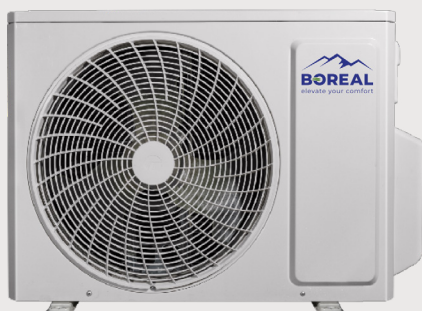




# MULTI ZONE<sup>+</sup>



## EXTENDED RATINGS

### Cooling Performance

MUL18HPJ132OA  
MUL19HPJ132OA  
MUL24HPJ132OA  
MUL30HPJ132OA  
MUL36HPJ132OA  
MUL42HPJ132OA  
MUL48HPJ132OA  
MUL60HPJ132OA

### Heating Performance

MUL18HPJ132OA  
MUL19HPJ132OA  
MUL24HPJ132OA  
MUL30HPJ132OA  
MUL36HPJ132OA  
MUL42HPJ132OA  
MUL48HPJ132OA  
MUL60HPJ132OA

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## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 135%               | -22°F                            | 9880                   | 7657       | 78% | 16.3 | 0.6              | 10544                 | 8204       | 78% | 16.8 | 0.6              | 11861                 | 9299       | 78% | 17.8 | 0.7              | 13462                 | 10568      | 79% | 19.2 | 0.7              |
|                    | -4°F                             | 10511                  | 8146       | 78% | 16.3 | 0.6              | 11217                 | 8727       | 78% | 16.8 | 0.7              | 12618                 | 9893       | 78% | 17.8 | 0.7              | 14322                 | 11242      | 79% | 19.2 | 0.7              |
|                    | 5°F                              | 11182                  | 8666       | 78% | 16.3 | 0.7              | 11933                 | 9284       | 78% | 16.8 | 0.7              | 13423                 | 10524      | 78% | 17.8 | 0.8              | 15236                 | 11960      | 79% | 19.2 | 0.8              |
|                    | 14°F                             | 11895                  | 9219       | 78% | 16.3 | 0.7              | 12695                 | 9877       | 78% | 16.8 | 0.8              | 14280                 | 11196      | 78% | 17.8 | 0.8              | 16208                 | 12723      | 79% | 19.2 | 0.8              |
|                    | 23°F                             | 12655                  | 9807       | 78% | 16.3 | 0.8              | 13506                 | 10507      | 78% | 16.8 | 0.8              | 15192                 | 11910      | 78% | 17.8 | 0.9              | 17243                 | 13536      | 79% | 19.2 | 0.9              |
|                    | 32°F                             | 13463                  | 10433      | 78% | 16.3 | 0.8              | 14368                 | 11178      | 78% | 16.8 | 0.9              | 16162                 | 12671      | 78% | 17.8 | 0.9              | 18343                 | 14399      | 79% | 19.2 | 1.0              |
|                    | 41°F                             | 14322                  | 11099      | 78% | 16.3 | 0.9              | 15285                 | 11891      | 78% | 16.8 | 0.9              | 17193                 | 13479      | 78% | 17.8 | 1.0              | 19514                 | 15319      | 79% | 19.2 | 1.0              |
|                    | 50°F                             | 15236                  | 11808      | 78% | 16.3 | 0.9              | 16260                 | 12650      | 78% | 16.8 | 1.0              | 18291                 | 14340      | 78% | 17.8 | 1.0              | 20760                 | 16296      | 79% | 19.2 | 1.1              |
|                    | 59°F                             | 16209                  | 12562      | 78% | 16.3 | 1.0              | 17298                 | 13458      | 78% | 16.8 | 1.0              | 19458                 | 15255      | 78% | 17.8 | 1.1              | 22085                 | 17337      | 79% | 19.2 | 1.1              |
|                    | 68°F                             | 17243                  | 13363      | 78% | 16.3 | 1.1              | 18402                 | 14317      | 78% | 16.8 | 1.1              | 20700                 | 16229      | 78% | 17.8 | 1.2              | 23495                 | 18443      | 79% | 19.2 | 1.2              |
|                    | 77°F                             | 16493                  | 12782      | 78% | 14.6 | 1.1              | 17602                 | 13695      | 78% | 15.1 | 1.2              | 19800                 | 15523      | 78% | 16.0 | 1.2              | 22473                 | 17641      | 79% | 17.3 | 1.3              |
|                    | 86°F                             | 15744                  | 12201      | 78% | 13.1 | 1.2              | 16802                 | 13072      | 78% | 13.5 | 1.2              | 18900                 | 14818      | 78% | 14.4 | 1.3              | 21452                 | 16839      | 79% | 15.5 | 1.4              |
|                    | 95°F                             | 14994                  | 11620      | 78% | 11.7 | 1.3              | 16002                 | 12450      | 78% | 12.1 | 1.3              | 18000                 | 14112      | 78% | 12.9 | 1.4              | 20430                 | 16038      | 79% | 13.9 | 1.5              |
|                    | 104°F                            | 14244                  | 11039      | 78% | 8.9  | 1.6              | 15202                 | 11827      | 78% | 9.2  | 1.7              | 17100                 | 13406      | 78% | 9.8  | 1.8              | 19409                 | 15236      | 79% | 10.5 | 1.8              |
| 120%               | 113°F                            | 13495                  | 10458      | 78% | 7.0  | 1.9              | 14402                 | 11205      | 78% | 7.3  | 2.0              | 16200                 | 12701      | 78% | 7.7  | 2.1              | 18387                 | 14434      | 79% | 8.3  | 2.2              |
|                    | 118°F                            | 13045                  | 10110      | 78% | 6.5  | 2.0              | 13922                 | 10831      | 78% | 6.7  | 2.1              | 15660                 | 12277      | 78% | 7.1  | 2.2              | 17774                 | 13953      | 79% | 7.7  | 2.3              |
|                    | -22°F                            | 9880                   | 7657       | 78% | 16.3 | 0.6              | 10544                 | 8204       | 78% | 16.8 | 0.6              | 11861                 | 9299       | 78% | 17.8 | 0.7              | 13462                 | 10568      | 79% | 19.2 | 0.7              |
|                    | -4°F                             | 10511                  | 8146       | 78% | 16.3 | 0.6              | 11217                 | 8727       | 78% | 16.8 | 0.7              | 12618                 | 9893       | 78% | 17.8 | 0.7              | 14322                 | 11242      | 79% | 19.2 | 0.7              |
|                    | 5°F                              | 11182                  | 8666       | 78% | 16.3 | 0.7              | 11933                 | 9284       | 78% | 16.8 | 0.7              | 13423                 | 10524      | 78% | 17.8 | 0.8              | 15236                 | 11960      | 79% | 19.2 | 0.8              |
|                    | 14°F                             | 11895                  | 9219       | 78% | 16.3 | 0.7              | 12695                 | 9877       | 78% | 16.8 | 0.8              | 14280                 | 11196      | 78% | 17.8 | 0.8              | 16208                 | 12723      | 79% | 19.2 | 0.8              |
|                    | 23°F                             | 12655                  | 9807       | 78% | 16.3 | 0.8              | 13506                 | 10507      | 78% | 16.8 | 0.8              | 15192                 | 11910      | 78% | 17.8 | 0.9              | 17243                 | 13536      | 79% | 19.2 | 0.9              |
|                    | 32°F                             | 13463                  | 10433      | 78% | 16.3 | 0.8              | 14368                 | 11178      | 78% | 16.8 | 0.9              | 16162                 | 12671      | 78% | 17.8 | 0.9              | 18343                 | 14399      | 79% | 19.2 | 1.0              |
|                    | 41°F                             | 14322                  | 11099      | 78% | 16.3 | 0.9              | 15285                 | 11891      | 78% | 16.8 | 0.9              | 17193                 | 13479      | 78% | 17.8 | 1.0              | 19514                 | 15319      | 79% | 19.2 | 1.0              |
|                    | 50°F                             | 15236                  | 11808      | 78% | 16.3 | 0.9              | 16260                 | 12650      | 78% | 16.8 | 1.0              | 18291                 | 14340      | 78% | 17.8 | 1.0              | 20760                 | 16296      | 79% | 19.2 | 1.1              |
|                    | 59°F                             | 16209                  | 12562      | 78% | 16.3 | 1.0              | 17298                 | 13458      | 78% | 16.8 | 1.0              | 19458                 | 15255      | 78% | 17.8 | 1.1              | 22085                 | 17337      | 79% | 19.2 | 1.1              |
|                    | 68°F                             | 17243                  | 13363      | 78% | 16.3 | 1.1              | 18402                 | 14317      | 78% | 16.8 | 1.1              | 20700                 | 16229      | 78% | 17.8 | 1.2              | 23495                 | 18443      | 79% | 19.2 | 1.2              |
|                    | 77°F                             | 16493                  | 12782      | 78% | 14.6 | 1.1              | 17602                 | 13695      | 78% | 15.1 | 1.2              | 19800                 | 15523      | 78% | 16.0 | 1.2              | 22473                 | 17641      | 79% | 17.3 | 1.3              |
|                    | 86°F                             | 15744                  | 12201      | 78% | 13.1 | 1.2              | 16802                 | 13072      | 78% | 13.5 | 1.2              | 18900                 | 14818      | 78% | 14.4 | 1.3              | 21452                 | 16839      | 79% | 15.5 | 1.4              |
|                    | 95°F                             | 14994                  | 11620      | 78% | 11.7 | 1.3              | 16002                 | 12450      | 78% | 12.1 | 1.3              | 18000                 | 14112      | 78% | 12.9 | 1.4              | 20430                 | 16038      | 79% | 13.9 | 1.5              |
|                    | 104°F                            | 14244                  | 11039      | 78% | 8.9  | 1.6              | 15202                 | 11827      | 78% | 9.2  | 1.7              | 17100                 | 13406      | 78% | 9.8  | 1.8              | 19409                 | 15236      | 79% | 10.5 | 1.8              |
|                    | 113°F                            | 13495                  | 10458      | 78% | 7.0  | 1.9              | 14402                 | 11205      | 78% | 7.3  | 2.0              | 16200                 | 12701      | 78% | 7.7  | 2.1              | 18387                 | 14434      | 79% | 8.3  | 2.2              |
|                    | 118°F                            | 13045                  | 10110      | 78% | 6.5  | 2.0              | 13922                 | 10831      | 78% | 6.7  | 2.1              | 15660                 | 12277      | 78% | 7.1  | 2.2              | 17774                 | 13953      | 79% | 7.7  | 2.3              |



## EXTENDED RATINGS

## MUL18HPJ132OA

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 110%               | -22°F                            | 9880                   | 7657       | 78% | 16.3 | 0.6              | 10544                 | 8204       | 78% | 16.8 | 0.6              | 11861                 | 9299       | 78% | 17.8 | 0.7              | 13462                 | 10568      | 79% | 19.2 | 0.7              |
|                    | -4°F                             | 10511                  | 8146       | 78% | 16.3 | 0.6              | 11217                 | 8727       | 78% | 16.8 | 0.7              | 12618                 | 9893       | 78% | 17.8 | 0.7              | 14322                 | 11242      | 79% | 19.2 | 0.7              |
|                    | 5°F                              | 11182                  | 8666       | 78% | 16.3 | 0.7              | 11933                 | 9284       | 78% | 16.8 | 0.7              | 13423                 | 10524      | 78% | 17.8 | 0.8              | 15236                 | 11960      | 79% | 19.2 | 0.8              |
|                    | 14°F                             | 11895                  | 9219       | 78% | 16.3 | 0.7              | 12695                 | 9877       | 78% | 16.8 | 0.8              | 14280                 | 11196      | 78% | 17.8 | 0.8              | 16208                 | 12723      | 79% | 19.2 | 0.8              |
|                    | 23°F                             | 12655                  | 9807       | 78% | 16.3 | 0.8              | 13506                 | 10507      | 78% | 16.8 | 0.8              | 15192                 | 11910      | 78% | 17.8 | 0.9              | 17243                 | 13536      | 79% | 19.2 | 0.9              |
|                    | 32°F                             | 13463                  | 10433      | 78% | 16.3 | 0.8              | 14368                 | 11178      | 78% | 16.8 | 0.9              | 16162                 | 12671      | 78% | 17.8 | 0.9              | 18343                 | 14399      | 79% | 19.2 | 1.0              |
|                    | 41°F                             | 14322                  | 11099      | 78% | 16.3 | 0.9              | 15285                 | 11891      | 78% | 16.8 | 0.9              | 17193                 | 13479      | 78% | 17.8 | 1.0              | 19514                 | 15319      | 79% | 19.2 | 1.0              |
|                    | 50°F                             | 15236                  | 11808      | 78% | 16.3 | 0.9              | 16260                 | 12650      | 78% | 16.8 | 1.0              | 18291                 | 14340      | 78% | 17.8 | 1.0              | 20760                 | 16296      | 79% | 19.2 | 1.1              |
|                    | 59°F                             | 16209                  | 12562      | 78% | 16.3 | 1.0              | 17298                 | 13458      | 78% | 16.8 | 1.0              | 19458                 | 15255      | 78% | 17.8 | 1.1              | 22085                 | 17337      | 79% | 19.2 | 1.1              |
|                    | 68°F                             | 17243                  | 13363      | 78% | 16.3 | 1.1              | 18402                 | 14317      | 78% | 16.8 | 1.1              | 20700                 | 16229      | 78% | 17.8 | 1.2              | 23495                 | 18443      | 79% | 19.2 | 1.2              |
|                    | 77°F                             | 16493                  | 12782      | 78% | 14.6 | 1.1              | 17602                 | 13695      | 78% | 15.1 | 1.2              | 19800                 | 15523      | 78% | 16.0 | 1.2              | 22473                 | 17641      | 79% | 17.3 | 1.3              |
|                    | 86°F                             | 15744                  | 12201      | 78% | 13.1 | 1.2              | 16802                 | 13072      | 78% | 13.5 | 1.2              | 18900                 | 14818      | 78% | 14.4 | 1.3              | 21452                 | 16839      | 79% | 15.5 | 1.4              |
|                    | 95°F                             | 14994                  | 11620      | 78% | 11.7 | 1.3              | 16002                 | 12450      | 78% | 12.1 | 1.3              | 18000                 | 14112      | 78% | 12.9 | 1.4              | 20430                 | 16038      | 79% | 13.9 | 1.5              |
|                    | 104°F                            | 14244                  | 11039      | 78% | 8.9  | 1.6              | 15202                 | 11827      | 78% | 9.2  | 1.7              | 17100                 | 13406      | 78% | 9.8  | 1.8              | 19409                 | 15236      | 79% | 10.5 | 1.8              |
| 100%               | 113°F                            | 13495                  | 10458      | 78% | 7.0  | 1.9              | 14402                 | 11205      | 78% | 7.3  | 2.0              | 16200                 | 12701      | 78% | 7.7  | 2.1              | 18387                 | 14434      | 79% | 8.3  | 2.2              |
|                    | 118°F                            | 13045                  | 10110      | 78% | 6.5  | 2.0              | 13922                 | 10831      | 78% | 6.7  | 2.1              | 15660                 | 12277      | 78% | 7.1  | 2.2              | 17774                 | 13953      | 79% | 7.7  | 2.3              |
|                    | -22°F                            | 8676                   | 6724       | 78% | 14.1 | 616              | 9260                  | 7204       | 78% | 14.5 | 637              | 10416                 | 8166       | 78% | 15.4 | 676              | 11822                 | 9280       | 79% | 16.6 | 711              |
|                    | -4°F                             | 9230                   | 7153       | 78% | 14.1 | 656              | 9851                  | 7664       | 78% | 14.5 | 678              | 11081                 | 8687       | 78% | 15.4 | 719              | 12577                 | 9873       | 79% | 16.6 | 756              |
|                    | 5°F                              | 9819                   | 7610       | 78% | 14.1 | 698              | 10479                 | 8153       | 78% | 14.5 | 721              | 11788                 | 9242       | 78% | 15.4 | 765              | 13379                 | 10503      | 79% | 16.6 | 805              |
|                    | 14°F                             | 10446                  | 8096       | 78% | 14.1 | 742              | 11148                 | 8673       | 78% | 14.5 | 767              | 12540                 | 9832       | 78% | 15.4 | 814              | 14233                 | 11173      | 79% | 16.6 | 856              |
|                    | 23°F                             | 11113                  | 8612       | 78% | 14.1 | 789              | 11860                 | 9227       | 78% | 14.5 | 816              | 13341                 | 10459      | 78% | 15.4 | 866              | 15142                 | 11886      | 79% | 16.6 | 911              |
|                    | 32°F                             | 11822                  | 9162       | 78% | 14.1 | 840              | 12617                 | 9816       | 78% | 14.5 | 868              | 14192                 | 11127      | 78% | 15.4 | 921              | 16108                 | 12645      | 79% | 16.6 | 969              |
|                    | 41°F                             | 12577                  | 9747       | 78% | 14.1 | 893              | 13422                 | 10443      | 78% | 14.5 | 924              | 15098                 | 11837      | 78% | 15.4 | 980              | 17136                 | 13452      | 79% | 16.6 | 1031             |
|                    | 50°F                             | 13380                  | 10369      | 78% | 14.1 | 950              | 14279                 | 11109      | 78% | 14.5 | 983              | 16062                 | 12593      | 78% | 15.4 | 1042             | 18230                 | 14311      | 79% | 16.6 | 1096             |
|                    | 59°F                             | 14234                  | 11031      | 78% | 14.1 | 1011             | 15190                 | 11818      | 78% | 14.5 | 1045             | 17087                 | 13396      | 78% | 15.4 | 1109             | 19394                 | 15224      | 79% | 16.6 | 1166             |
|                    | 68°F                             | 15142                  | 11735      | 78% | 14.1 | 1076             | 16160                 | 12573      | 78% | 14.5 | 1112             | 18178                 | 14251      | 78% | 15.4 | 1179             | 20632                 | 16196      | 79% | 16.6 | 1241             |
|                    | 77°F                             | 14815                  | 11482      | 78% | 13.0 | 1144             | 15811                 | 12301      | 78% | 13.4 | 1183             | 17785                 | 13944      | 78% | 14.2 | 1255             | 20186                 | 15846      | 79% | 15.3 | 1320             |
|                    | 86°F                             | 14488                  | 11228      | 78% | 11.9 | 1217             | 15462                 | 12029      | 78% | 12.3 | 1259             | 17393                 | 13636      | 78% | 13.0 | 1335             | 19741                 | 15496      | 79% | 14.1 | 1404             |
|                    | 95°F                             | 14161                  | 10975      | 78% | 10.9 | 1295             | 15113                 | 11758      | 78% | 11.3 | 1339             | 17000                 | 13328      | 78% | 12.0 | 1420             | 19295                 | 15147      | 79% | 12.9 | 1494             |
|                    | 104°F                            | 13834                  | 10721      | 78% | 8.5  | 1628             | 14764                 | 11486      | 78% | 8.8  | 1683             | 16607                 | 13020      | 78% | 9.3  | 1785             | 18849                 | 14797      | 79% | 10.0 | 1878             |
|                    | 113°F                            | 13507                  | 10468      | 78% | 6.9  | 1961             | 14415                 | 11215      | 78% | 7.1  | 2027             | 16215                 | 12712      | 78% | 7.5  | 2150             | 18404                 | 14447      | 79% | 8.1  | 2260             |
|                    | 118°F                            | 13311                  | 10316      | 78% | 6.5  | 2052             | 14206                 | 11052      | 78% | 6.7  | 2122             | 15979                 | 12528      | 78% | 7.1  | 2250             | 18136                 | 14237      | 79% | 8.0  | 2260             |


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## EXTENDED RATINGS

## MUL18HPJ132OA

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 90%                | -22°F                            | 9386                   | 7274       | 78% | 16.1 | 0.6              | 10017                 | 7793       | 78% | 16.6 | 0.6              | 11268                 | 8834       | 78% | 17.6 | 0.6              | 12789                 | 10039      | 79% | 19.0 | 0.7              |
|                    | -4°F                             | 9985                   | 7739       | 78% | 16.1 | 0.6              | 10657                 | 8291       | 78% | 16.6 | 0.6              | 11987                 | 9398       | 78% | 17.6 | 0.7              | 13605                 | 10680      | 79% | 19.0 | 0.7              |
|                    | 5°F                              | 10623                  | 8233       | 78% | 16.1 | 0.7              | 11337                 | 8820       | 78% | 16.6 | 0.7              | 12752                 | 9998       | 78% | 17.6 | 0.7              | 14474                 | 11362      | 79% | 19.0 | 0.8              |
|                    | 14°F                             | 11301                  | 8758       | 78% | 16.1 | 0.7              | 12060                 | 9383       | 78% | 16.6 | 0.7              | 13566                 | 10636      | 78% | 17.6 | 0.8              | 15398                 | 12087      | 79% | 19.0 | 0.8              |
|                    | 23°F                             | 12022                  | 9317       | 78% | 16.1 | 0.7              | 12830                 | 9982       | 78% | 16.6 | 0.8              | 14432                 | 11315      | 78% | 17.6 | 0.8              | 16381                 | 12859      | 79% | 19.0 | 0.9              |
|                    | 32°F                             | 12789                  | 9912       | 78% | 16.1 | 0.8              | 13649                 | 10619      | 78% | 16.6 | 0.8              | 15353                 | 12037      | 78% | 17.6 | 0.9              | 17426                 | 13680      | 79% | 19.0 | 0.9              |
|                    | 41°F                             | 13606                  | 10544      | 78% | 16.1 | 0.8              | 14520                 | 11297      | 78% | 16.6 | 0.9              | 16333                 | 12805      | 78% | 17.6 | 0.9              | 18538                 | 14553      | 79% | 19.0 | 1.0              |
|                    | 50°F                             | 14474                  | 11218      | 78% | 16.1 | 0.9              | 15447                 | 12018      | 78% | 16.6 | 0.9              | 17376                 | 13623      | 78% | 17.6 | 1.0              | 19722                 | 15482      | 79% | 19.0 | 1.0              |
|                    | 59°F                             | 15398                  | 11934      | 78% | 16.1 | 1.0              | 16433                 | 12785      | 78% | 16.6 | 1.0              | 18485                 | 14492      | 78% | 17.6 | 1.0              | 20981                 | 16470      | 79% | 19.0 | 1.1              |
|                    | 68°F                             | 16381                  | 12695      | 78% | 16.1 | 1.0              | 17482                 | 13601      | 78% | 16.6 | 1.1              | 19665                 | 15417      | 78% | 17.6 | 1.1              | 22320                 | 17521      | 79% | 19.0 | 1.2              |
|                    | 77°F                             | 15669                  | 12143      | 78% | 14.5 | 1.1              | 16722                 | 13010      | 78% | 14.9 | 1.1              | 18810                 | 14747      | 78% | 15.8 | 1.2              | 21349                 | 16759      | 79% | 17.1 | 1.2              |
|                    | 86°F                             | 14957                  | 11591      | 78% | 13.0 | 1.2              | 15962                 | 12418      | 78% | 13.4 | 1.2              | 17955                 | 14077      | 78% | 14.2 | 1.3              | 20379                 | 15997      | 79% | 15.3 | 1.3              |
|                    | 95°F                             | 14244                  | 11039      | 78% | 11.6 | 1.2              | 15202                 | 11827      | 78% | 12.0 | 1.3              | 17100                 | 13406      | 78% | 12.7 | 1.3              | 19409                 | 15236      | 79% | 13.7 | 1.4              |
|                    | 104°F                            | 13532                  | 10487      | 78% | 8.8  | 1.5              | 14442                 | 11236      | 78% | 9.1  | 1.6              | 16245                 | 12736      | 78% | 9.7  | 1.7              | 18438                 | 14474      | 79% | 10.4 | 1.8              |
| 80%                | 113°F                            | 12820                  | 9935       | 78% | 7.0  | 1.8              | 13682                 | 10644      | 78% | 7.2  | 1.9              | 15390                 | 12066      | 78% | 7.6  | 2.0              | 17468                 | 13712      | 79% | 8.2  | 2.1              |
|                    | 118°F                            | 12393                  | 9604       | 78% | 6.4  | 1.9              | 13226                 | 10290      | 78% | 6.6  | 2.0              | 14877                 | 11664      | 78% | 7.0  | 2.1              | 16885                 | 13255      | 79% | 7.6  | 2.2              |
|                    | -22°F                            | 8398                   | 6509       | 78% | 16.1 | 0.5              | 8963                  | 6973       | 78% | 16.6 | 0.5              | 10082                 | 7904       | 78% | 17.6 | 0.6              | 11443                 | 8983       | 79% | 19.0 | 0.6              |
|                    | -4°F                             | 8934                   | 6924       | 78% | 16.1 | 0.6              | 9535                  | 7418       | 78% | 16.6 | 0.6              | 10725                 | 8409       | 78% | 17.6 | 0.6              | 12173                 | 9556       | 79% | 19.0 | 0.6              |
|                    | 5°F                              | 9504                   | 7366       | 78% | 16.1 | 0.6              | 10143                 | 7892       | 78% | 16.6 | 0.6              | 11410                 | 8945       | 78% | 17.6 | 0.6              | 12950                 | 10166      | 79% | 19.0 | 0.7              |
|                    | 14°F                             | 10111                  | 7836       | 78% | 16.1 | 0.6              | 10791                 | 8395       | 78% | 16.6 | 0.7              | 12138                 | 9516       | 78% | 17.6 | 0.7              | 13777                 | 10815      | 79% | 19.0 | 0.7              |
|                    | 23°F                             | 10757                  | 8336       | 78% | 16.1 | 0.7              | 11480                 | 8931       | 78% | 16.6 | 0.7              | 12913                 | 10124      | 78% | 17.6 | 0.7              | 14656                 | 11505      | 79% | 19.0 | 0.8              |
|                    | 32°F                             | 11443                  | 8868       | 78% | 16.1 | 0.7              | 12212                 | 9501       | 78% | 16.6 | 0.7              | 13737                 | 10770      | 78% | 17.6 | 0.8              | 15592                 | 12240      | 79% | 19.0 | 0.8              |
|                    | 41°F                             | 12174                  | 9435       | 78% | 16.1 | 0.8              | 12992                 | 10108      | 78% | 16.6 | 0.8              | 14614                 | 11457      | 78% | 17.6 | 0.8              | 16587                 | 13021      | 79% | 19.0 | 0.9              |
|                    | 50°F                             | 12951                  | 10037      | 78% | 16.1 | 0.8              | 13821                 | 10753      | 78% | 16.6 | 0.8              | 15547                 | 12189      | 78% | 17.6 | 0.9              | 17646                 | 13852      | 79% | 19.0 | 0.9              |
|                    | 59°F                             | 13777                  | 10677      | 78% | 16.1 | 0.9              | 14703                 | 11439      | 78% | 16.6 | 0.9              | 16539                 | 12967      | 78% | 17.6 | 0.9              | 18772                 | 14736      | 79% | 19.0 | 1.0              |
|                    | 68°F                             | 14657                  | 11359      | 78% | 16.1 | 0.9              | 15642                 | 12169      | 78% | 16.6 | 0.9              | 17595                 | 13794      | 78% | 17.6 | 1.0              | 19970                 | 15677      | 79% | 19.0 | 1.1              |
|                    | 77°F                             | 14019                  | 10865      | 78% | 14.5 | 1.0              | 14962                 | 11640      | 78% | 14.9 | 1.0              | 16830                 | 13195      | 78% | 15.8 | 1.1              | 19102                 | 14995      | 79% | 17.1 | 1.1              |
|                    | 86°F                             | 13382                  | 10371      | 78% | 13.0 | 1.0              | 14282                 | 11111      | 78% | 13.4 | 1.1              | 16065                 | 12595      | 78% | 14.2 | 1.1              | 18234                 | 14314      | 79% | 15.3 | 1.2              |
|                    | 95°F                             | 12745                  | 9877       | 78% | 11.6 | 1.1              | 13602                 | 10582      | 78% | 12.0 | 1.1              | 15300                 | 11995      | 78% | 12.7 | 1.2              | 17366                 | 13632      | 79% | 13.7 | 1.3              |
|                    | 104°F                            | 12108                  | 9383       | 78% | 8.8  | 1.4              | 12922                 | 10053      | 78% | 9.1  | 1.4              | 14535                 | 11395      | 78% | 9.7  | 1.5              | 16497                 | 12950      | 79% | 10.4 | 1.6              |
|                    | 113°F                            | 11470                  | 8890       | 78% | 7.0  | 1.6              | 12242                 | 9524       | 78% | 7.2  | 1.7              | 13770                 | 10796      | 78% | 7.6  | 1.8              | 15629                 | 12269      | 79% | 8.2  | 1.9              |
|                    | 118°F                            | 11088                  | 8593       | 78% | 6.4  | 1.7              | 11833                 | 9206       | 78% | 6.6  | 1.8              | 13311                 | 10436      | 78% | 7.0  | 1.9              | 15108                 | 11860      | 79% | 7.6  | 2.0              |


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## EXTENDED RATINGS

## MUL18HPJ132OA

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 70%                | -22°F                            | 7410                   | 5743       | 78% | 16.1 | 0.5              | 7908                  | 6153       | 78% | 16.6 | 0.5              | 8896                  | 6974       | 78% | 17.6 | 0.5              | 10097                 | 7926       | 79% | 19.0 | 0.5              |
|                    | -4°F                             | 7883                   | 6109       | 78% | 16.1 | 0.5              | 8413                  | 6545       | 78% | 16.6 | 0.5              | 9464                  | 7419       | 78% | 17.6 | 0.5              | 10741                 | 8432       | 79% | 19.0 | 0.6              |
|                    | 5°F                              | 8386                   | 6499       | 78% | 16.1 | 0.5              | 8950                  | 6963       | 78% | 16.6 | 0.5              | 10068                 | 7893       | 78% | 17.6 | 0.6              | 11427                 | 8970       | 79% | 19.0 | 0.6              |
|                    | 14°F                             | 8922                   | 6914       | 78% | 16.1 | 0.6              | 9521                  | 7408       | 78% | 16.6 | 0.6              | 10710                 | 8397       | 78% | 17.6 | 0.6              | 12156                 | 9543       | 79% | 19.0 | 0.6              |
|                    | 23°F                             | 9491                   | 7356       | 78% | 16.1 | 0.6              | 10129                 | 7880       | 78% | 16.6 | 0.6              | 11394                 | 8933       | 78% | 17.6 | 0.6              | 12932                 | 10152      | 79% | 19.0 | 0.7              |
|                    | 32°F                             | 10097                  | 7825       | 78% | 16.1 | 0.6              | 10776                 | 8383       | 78% | 16.6 | 0.7              | 12121                 | 9503       | 78% | 17.6 | 0.7              | 13757                 | 10800      | 79% | 19.0 | 0.7              |
|                    | 41°F                             | 10741                  | 8325       | 78% | 16.1 | 0.7              | 11463                 | 8919       | 78% | 16.6 | 0.7              | 12895                 | 10110      | 78% | 17.6 | 0.7              | 14636                 | 11489      | 79% | 19.0 | 0.8              |
|                    | 50°F                             | 11427                  | 8856       | 78% | 16.1 | 0.7              | 12195                 | 9488       | 78% | 16.6 | 0.7              | 13718                 | 10755      | 78% | 17.6 | 0.8              | 15570                 | 12222      | 79% | 19.0 | 0.8              |
|                    | 59°F                             | 12156                  | 9421       | 78% | 16.1 | 0.8              | 12974                 | 10093      | 78% | 16.6 | 0.8              | 14594                 | 11441      | 78% | 17.6 | 0.8              | 16564                 | 13002      | 79% | 19.0 | 0.9              |
|                    | 68°F                             | 12932                  | 10023      | 78% | 16.1 | 0.8              | 13802                 | 10738      | 78% | 16.6 | 0.8              | 15525                 | 12172      | 78% | 17.6 | 0.9              | 17621                 | 13832      | 79% | 19.0 | 0.9              |
|                    | 77°F                             | 12370                  | 9587       | 78% | 14.4 | 0.9              | 13202                 | 10271      | 78% | 14.9 | 0.9              | 14850                 | 11642      | 78% | 15.8 | 0.9              | 16855                 | 13231      | 79% | 17.0 | 1.0              |
|                    | 86°F                             | 11808                  | 9151       | 78% | 13.0 | 0.9              | 12602                 | 9804       | 78% | 13.4 | 0.9              | 14175                 | 11113      | 78% | 14.2 | 1.0              | 16089                 | 12630      | 79% | 15.3 | 1.1              |
|                    | 95°F                             | 11246                  | 8715       | 78% | 11.6 | 1.0              | 12002                 | 9337       | 78% | 12.0 | 1.0              | 13500                 | 10584      | 78% | 12.7 | 1.1              | 15323                 | 12028      | 79% | 13.7 | 1.1              |
|                    | 104°F                            | 10683                  | 8279       | 78% | 8.8  | 1.2              | 11401                 | 8870       | 78% | 9.1  | 1.3              | 12825                 | 10055      | 78% | 9.6  | 1.3              | 14556                 | 11427      | 79% | 10.4 | 1.4              |
|                    | 113°F                            | 10121                  | 7844       | 78% | 7.0  | 1.5              | 10801                 | 8403       | 78% | 7.2  | 1.5              | 12150                 | 9526       | 78% | 7.6  | 1.6              | 13790                 | 10825      | 79% | 8.2  | 1.7              |
|                    | 118°F                            | 9784                   | 7582       | 78% | 6.4  | 1.5              | 10441                 | 8123       | 78% | 6.6  | 1.6              | 11745                 | 9208       | 78% | 7.0  | 1.7              | 13331                 | 10465      | 79% | 7.6  | 1.8              |
| 60%                | -22°F                            | 6422                   | 4977       | 78% | 16.0 | 0.4              | 6854                  | 5332       | 78% | 16.5 | 0.4              | 7710                  | 6044       | 78% | 17.5 | 0.4              | 8750                  | 6869       | 79% | 18.9 | 0.5              |
|                    | -4°F                             | 6832                   | 5295       | 78% | 16.0 | 0.4              | 7291                  | 5673       | 78% | 16.5 | 0.4              | 8202                  | 6430       | 78% | 17.5 | 0.5              | 9309                  | 7308       | 79% | 18.9 | 0.5              |
|                    | 5°F                              | 7268                   | 5633       | 78% | 16.0 | 0.5              | 7757                  | 6035       | 78% | 16.5 | 0.5              | 8725                  | 6841       | 78% | 17.5 | 0.5              | 9903                  | 7774       | 79% | 18.9 | 0.5              |
|                    | 14°F                             | 7732                   | 5992       | 78% | 16.0 | 0.5              | 8252                  | 6420       | 78% | 16.5 | 0.5              | 9282                  | 7277       | 78% | 17.5 | 0.5              | 10535                 | 8270       | 79% | 18.9 | 0.6              |
|                    | 23°F                             | 8226                   | 6375       | 78% | 16.0 | 0.5              | 8779                  | 6830       | 78% | 16.5 | 0.5              | 9875                  | 7742       | 78% | 17.5 | 0.6              | 11208                 | 8798       | 79% | 18.9 | 0.6              |
|                    | 32°F                             | 8751                   | 6782       | 78% | 16.0 | 0.5              | 9339                  | 7266       | 78% | 16.5 | 0.6              | 10505                 | 8236       | 78% | 17.5 | 0.6              | 11923                 | 9360       | 79% | 18.9 | 0.6              |
|                    | 41°F                             | 9309                   | 7215       | 78% | 16.0 | 0.6              | 9935                  | 7729       | 78% | 16.5 | 0.6              | 11176                 | 8762       | 78% | 17.5 | 0.6              | 12684                 | 9957       | 79% | 18.9 | 0.7              |
|                    | 50°F                             | 9903                   | 7675       | 78% | 16.0 | 0.6              | 10569                 | 8223       | 78% | 16.5 | 0.6              | 11889                 | 9321       | 78% | 17.5 | 0.7              | 13494                 | 10593      | 79% | 18.9 | 0.7              |
|                    | 59°F                             | 10536                  | 8165       | 78% | 16.0 | 0.7              | 11244                 | 8748       | 78% | 16.5 | 0.7              | 12648                 | 9916       | 78% | 17.5 | 0.7              | 14355                 | 11269      | 79% | 18.9 | 0.8              |
|                    | 68°F                             | 11208                  | 8686       | 78% | 16.0 | 0.7              | 11961                 | 9306       | 78% | 16.5 | 0.7              | 13455                 | 10549      | 78% | 17.5 | 0.8              | 15271                 | 11988      | 79% | 18.9 | 0.8              |
|                    | 77°F                             | 10721                  | 8309       | 78% | 14.4 | 0.7              | 11441                 | 8901       | 78% | 14.9 | 0.8              | 12870                 | 10090      | 78% | 15.8 | 0.8              | 14607                 | 11467      | 79% | 17.0 | 0.9              |
|                    | 86°F                             | 10233                  | 7931       | 78% | 12.9 | 0.8              | 10921                 | 8497       | 78% | 13.3 | 0.8              | 12285                 | 9631       | 78% | 14.1 | 0.9              | 13943                 | 10946      | 79% | 15.3 | 0.9              |
|                    | 95°F                             | 9746                   | 7553       | 78% | 11.6 | 0.8              | 10401                 | 8092       | 78% | 11.9 | 0.9              | 11700                 | 9173       | 78% | 12.7 | 0.9              | 13280                 | 10424      | 79% | 13.7 | 1.0              |
|                    | 104°F                            | 9259                   | 7176       | 78% | 8.8  | 1.1              | 9881                  | 7688       | 78% | 9.1  | 1.1              | 11115                 | 8714       | 78% | 9.6  | 1.2              | 12616                 | 9903       | 79% | 10.4 | 1.2              |
|                    | 113°F                            | 8771                   | 6798       | 78% | 6.9  | 1.3              | 9361                  | 7283       | 78% | 7.2  | 1.3              | 10530                 | 8256       | 78% | 7.6  | 1.4              | 11952                 | 9382       | 79% | 8.2  | 1.5              |
|                    | 118°F                            | 8479                   | 6571       | 78% | 6.4  | 1.3              | 9049                  | 7040       | 78% | 6.6  | 1.4              | 10179                 | 7980       | 78% | 7.0  | 1.5              | 11553                 | 9069       | 79% | 7.6  | 1.5              |


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## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (kBtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 50%                | -22°F                            | 5434                   | 4211       | 78% | 16.0 | 0.3              | 5799                  | 4512       | 78% | 16.5 | 0.4              | 6524                  | 5114       | 78% | 17.5 | 0.4              | 7404                  | 5812       | 79% | 18.9 | 0.4              |
|                    | -4°F                             | 5781                   | 4480       | 78% | 16.0 | 0.4              | 6170                  | 4800       | 78% | 16.5 | 0.4              | 6940                  | 5441       | 78% | 17.5 | 0.4              | 7877                  | 6183       | 79% | 18.9 | 0.4              |
|                    | 5°F                              | 6150                   | 4766       | 78% | 16.0 | 0.4              | 6563                  | 5106       | 78% | 16.5 | 0.4              | 7383                  | 5788       | 78% | 17.5 | 0.4              | 8380                  | 6578       | 79% | 18.9 | 0.4              |
|                    | 14°F                             | 6543                   | 5070       | 78% | 16.0 | 0.4              | 6982                  | 5432       | 78% | 16.5 | 0.4              | 7854                  | 6158       | 78% | 17.5 | 0.4              | 8914                  | 6998       | 79% | 18.9 | 0.5              |
|                    | 23°F                             | 6960                   | 5394       | 78% | 16.0 | 0.4              | 7428                  | 5779       | 78% | 16.5 | 0.5              | 8355                  | 6551       | 78% | 17.5 | 0.5              | 9483                  | 7445       | 79% | 18.9 | 0.5              |
|                    | 32°F                             | 7404                   | 5738       | 78% | 16.0 | 0.5              | 7902                  | 6148       | 78% | 16.5 | 0.5              | 8889                  | 6969       | 78% | 17.5 | 0.5              | 10089                 | 7920       | 79% | 18.9 | 0.5              |
|                    | 41°F                             | 7877                   | 6105       | 78% | 16.0 | 0.5              | 8407                  | 6540       | 78% | 16.5 | 0.5              | 9456                  | 7414       | 78% | 17.5 | 0.5              | 10733                 | 8425       | 79% | 18.9 | 0.6              |
|                    | 50°F                             | 8380                   | 6494       | 78% | 16.0 | 0.5              | 8943                  | 6958       | 78% | 16.5 | 0.5              | 10060                 | 7887       | 78% | 17.5 | 0.6              | 11418                 | 8963       | 79% | 18.9 | 0.6              |
|                    | 59°F                             | 8915                   | 6909       | 78% | 16.0 | 0.6              | 9514                  | 7402       | 78% | 16.5 | 0.6              | 10702                 | 8390       | 78% | 17.5 | 0.6              | 12147                 | 9535       | 79% | 18.9 | 0.6              |
|                    | 68°F                             | 9484                   | 7350       | 78% | 16.0 | 0.6              | 10121                 | 7874       | 78% | 16.5 | 0.6              | 11385                 | 8926       | 78% | 17.5 | 0.7              | 12922                 | 10144      | 79% | 18.9 | 0.7              |
|                    | 77°F                             | 9071                   | 7030       | 78% | 14.4 | 0.6              | 9681                  | 7532       | 78% | 14.8 | 0.7              | 10890                 | 8538       | 78% | 15.7 | 0.7              | 12360                 | 9703       | 79% | 17.0 | 0.7              |
|                    | 86°F                             | 8659                   | 6711       | 78% | 12.9 | 0.7              | 9241                  | 7190       | 78% | 13.3 | 0.7              | 10395                 | 8150       | 78% | 14.1 | 0.7              | 11798                 | 9262       | 79% | 15.2 | 0.8              |
|                    | 95°F                             | 8247                   | 6391       | 78% | 11.5 | 0.7              | 8801                  | 6847       | 78% | 11.9 | 0.7              | 9900                  | 7762       | 78% | 12.6 | 0.8              | 11237                 | 8821       | 79% | 13.6 | 0.8              |
|                    | 104°F                            | 7834                   | 6072       | 78% | 8.8  | 0.9              | 8361                  | 6505       | 78% | 9.1  | 0.9              | 9405                  | 7374       | 78% | 9.6  | 1.0              | 10675                 | 8380       | 79% | 10.4 | 1.0              |
|                    | 113°F                            | 7422                   | 5752       | 78% | 6.9  | 1.1              | 7921                  | 6163       | 78% | 7.1  | 1.1              | 8910                  | 6985       | 78% | 7.6  | 1.2              | 10113                 | 7939       | 79% | 8.2  | 1.2              |
|                    | 118°F                            | 7175                   | 5560       | 78% | 6.4  | 1.1              | 7657                  | 5957       | 78% | 6.6  | 1.2              | 8613                  | 6753       | 78% | 7.0  | 1.2              | 9776                  | 7674       | 79% | 7.5  | 1.3              |



# EXTENDED RATINGS

MUL18HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 135%               | -22°F                       | -22.5°F | 10200                  | 1.5      | 2.0              | 10067      | 1.5      | 2                | 9812       | 1.4      | 2.1              |
|                    | -5°F                        | -6°F    | 12360                  | 1.9      | 1.9              | 12199      | 1.9      | 2                | 11890      | 1.8      | 2.0              |
|                    | 0°F                         | -1°F    | 13080                  | 2.1      | 1.9              | 12910      | 2.0      | 2                | 12583      | 1.9      | 1.9              |
|                    | 5°F                         | 3°F     | 13800                  | 2.2      | 1.8              | 13621      | 2.1      | 2                | 13276      | 2.0      | 1.9              |
|                    | 7°F                         | 5°F     | 13929                  | 2.3      | 1.8              | 13748      | 2.2      | 2                | 13399      | 2.1      | 1.9              |
|                    | 17°F                        | 15°F    | 14700                  | 2.6      | 1.6              | 14509      | 2.5      | 2                | 14141      | 2.4      | 1.7              |
|                    | 28°F                        | 26°F    | 15938                  | 3.1      | 1.5              | 15730      | 2.9      | 2                | 15332      | 2.8      | 1.6              |
|                    | 38°F                        | 35°F    | 16969                  | 3.5      | 1.4              | 16748      | 3.3      | 1                | 16324      | 3.2      | 1.5              |
|                    | 47°F                        | 43°F    | 18000                  | 3.9      | 1.4              | 17766      | 3.8      | 1                | 17316      | 3.6      | 1.4              |
|                    | 57°F                        | 52°F    | 18540                  | 4.2      | 1.3              | 18299      | 4.1      | 1                | 17835      | 3.9      | 1.3              |
|                    | 68°F                        | 63°F    | 19260                  | 4.4      | 1.3              | 19010      | 4.3      | 1                | 18528      | 4.1      | 1.3              |
| 120%               | 77°F                        | 71°F    | 19800                  | 4.7      | 1.2              | 19543      | 4.5      | 1                | 19048      | 4.3      | 1.3              |
|                    | -22°F                       | -22.5°F | 10200                  | 1.5      | 2.0              | 10067      | 1.5      | 2                | 9812       | 1.4      | 2.1              |
|                    | -5°F                        | -6°F    | 12360                  | 1.9      | 1.9              | 12199      | 1.9      | 2                | 11890      | 1.8      | 2.0              |
|                    | 0°F                         | -1°F    | 13080                  | 2.1      | 1.9              | 12910      | 2.0      | 2                | 12583      | 1.9      | 1.9              |
|                    | 5°F                         | 3°F     | 13800                  | 2.2      | 1.8              | 13621      | 2.1      | 2                | 13276      | 2.0      | 1.9              |
|                    | 7°F                         | 5°F     | 13929                  | 2.3      | 1.8              | 13748      | 2.2      | 2                | 13399      | 2.1      | 1.9              |
|                    | 17°F                        | 15°F    | 14700                  | 2.6      | 1.6              | 14509      | 2.5      | 2                | 14141      | 2.4      | 1.7              |
|                    | 28°F                        | 26°F    | 15938                  | 3.1      | 1.5              | 15730      | 2.9      | 2                | 15332      | 2.8      | 1.6              |
|                    | 38°F                        | 35°F    | 16969                  | 3.5      | 1.4              | 16748      | 3.3      | 1                | 16324      | 3.2      | 1.5              |
|                    | 47°F                        | 43°F    | 18000                  | 3.9      | 1.4              | 17766      | 3.8      | 1                | 17316      | 3.6      | 1.4              |
|                    | 57°F                        | 52°F    | 18540                  | 4.2      | 1.3              | 18299      | 4.1      | 1                | 17835      | 3.9      | 1.3              |
|                    | 68°F                        | 63°F    | 19260                  | 4.4      | 1.3              | 19010      | 4.3      | 1                | 18528      | 4.1      | 1.3              |
|                    | 77°F                        | 71°F    | 19800                  | 4.7      | 1.2              | 19543      | 4.5      | 1                | 19048      | 4.3      | 1.3              |



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## EXTENDED RATINGS

MUL18HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 110%               | -22°F                       | -22.5°F | 10200                  | 1.5      | 2.0              | 10067      | 1.5      | 2.0              | 9812       | 1.4      | 2.1              |
|                    | -5°F                        | -6°F    | 12360                  | 1.9      | 1.9              | 12199      | 1.9      | 1.9              | 11890      | 1.8      | 2.0              |
|                    | 0°F                         | -1°F    | 13080                  | 2.1      | 1.9              | 12910      | 2.0      | 1.9              | 12583      | 1.9      | 1.9              |
|                    | 5°F                         | 3°F     | 13800                  | 2.2      | 1.8              | 13621      | 2.1      | 1.9              | 13276      | 2.0      | 1.9              |
|                    | 7°F                         | 5°F     | 13929                  | 2.3      | 1.8              | 13748      | 2.2      | 1.8              | 13399      | 2.1      | 1.9              |
|                    | 17°F                        | 15°F    | 14700                  | 2.6      | 1.6              | 14509      | 2.5      | 1.7              | 14141      | 2.4      | 1.7              |
|                    | 28°F                        | 26°F    | 15938                  | 3.1      | 1.5              | 15730      | 2.9      | 1.6              | 15332      | 2.8      | 1.6              |
|                    | 38°F                        | 35°F    | 16969                  | 3.5      | 1.4              | 16748      | 3.3      | 1.5              | 16324      | 3.2      | 1.5              |
|                    | 47°F                        | 43°F    | 18000                  | 3.9      | 1.4              | 17766      | 3.8      | 1.4              | 17316      | 3.6      | 1.4              |
|                    | 57°F                        | 52°F    | 18540                  | 4.2      | 1.3              | 18299      | 4.1      | 1.3              | 17835      | 3.9      | 1.3              |
|                    | 68°F                        | 63°F    | 19260                  | 4.4      | 1.3              | 19010      | 4.3      | 1.3              | 18528      | 4.1      | 1.3              |
|                    | 77°F                        | 71°F    | 19800                  | 4.7      | 1.2              | 19543      | 4.5      | 1.3              | 19048      | 4.3      | 1.3              |
| 100%               | -22°F                       | -22.5°F | 10200                  | 1.5      | 2.0              | 10067      | 1.5      | 2.0              | 9812       | 1.4      | 2.1              |
|                    | -5°F                        | -6°F    | 12360                  | 1.9      | 1.9              | 12199      | 1.9      | 1.9              | 11890      | 1.8      | 2.0              |
|                    | 0°F                         | -1°F    | 13080                  | 2.1      | 1.9              | 12910      | 2.0      | 1.9              | 12583      | 1.9      | 1.9              |
|                    | 5°F                         | 3°F     | 13800                  | 2.2      | 1.8              | 13621      | 2.1      | 1.9              | 13276      | 2.0      | 1.9              |
|                    | 7°F                         | 5°F     | 13929                  | 2.3      | 1.8              | 13748      | 2.2      | 1.8              | 13399      | 2.1      | 1.9              |
|                    | 17°F                        | 15°F    | 14700                  | 2.6      | 1.6              | 14509      | 2.5      | 1.7              | 14141      | 2.4      | 1.7              |
|                    | 28°F                        | 26°F    | 15938                  | 3.1      | 1.5              | 15730      | 2.9      | 1.6              | 15332      | 2.8      | 1.6              |
|                    | 38°F                        | 35°F    | 16969                  | 3.5      | 1.4              | 16748      | 3.3      | 1.5              | 16324      | 3.2      | 1.5              |
|                    | 47°F                        | 43°F    | 18000                  | 3.9      | 1.4              | 17766      | 3.8      | 1.4              | 17316      | 3.6      | 1.4              |
|                    | 57°F                        | 52°F    | 18540                  | 4.2      | 1.3              | 18299      | 4.1      | 1.3              | 17835      | 3.9      | 1.3              |
|                    | 68°F                        | 63°F    | 19260                  | 4.4      | 1.3              | 19010      | 4.3      | 1.3              | 18528      | 4.1      | 1.3              |
|                    | 77°F                        | 71°F    | 19800                  | 4.7      | 1.2              | 19543      | 4.5      | 1.3              | 19048      | 4.3      | 1.3              |


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# EXTENDED RATINGS

MUL18HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 90%                | -22°F                       | -22.5°F | 9690                   | 1.5      | 2                | 9564       | 1.4      | 2                | 9322       | 1.4      | 2                |
|                    | -5°F                        | -6°F    | 11742                  | 1.9      | 2                | 11589      | 1.8      | 2                | 11296      | 1.8      | 2                |
|                    | 0°F                         | -1°F    | 12426                  | 2.1      | 2                | 12264      | 2.0      | 2                | 11954      | 1.9      | 2                |
|                    | 5°F                         | 3°F     | 13110                  | 2.2      | 2                | 12940      | 2.1      | 2                | 12612      | 2.0      | 2                |
|                    | 7°F                         | 5°F     | 13232                  | 2.3      | 2                | 13060      | 2.2      | 2                | 12729      | 2.1      | 2                |
|                    | 17°F                        | 15°F    | 13965                  | 2.6      | 2                | 13783      | 2.5      | 2                | 13434      | 2.4      | 2                |
|                    | 28°F                        | 26°F    | 15141                  | 3.0      | 1                | 14944      | 2.9      | 2                | 14565      | 2.8      | 2                |
|                    | 38°F                        | 35°F    | 16120                  | 3.4      | 1                | 15911      | 3.3      | 1                | 15508      | 3.1      | 1                |
|                    | 47°F                        | 43°F    | 17100                  | 3.9      | 1                | 16878      | 3.7      | 1                | 16450      | 3.6      | 1                |
|                    | 57°F                        | 52°F    | 17613                  | 4.2      | 1                | 17384      | 4.0      | 1                | 16944      | 3.8      | 1                |
|                    | 68°F                        | 63°F    | 18297                  | 4.4      | 1                | 18059      | 4.3      | 1                | 17602      | 4.1      | 1                |
|                    | 77°F                        | 71°F    | 18810                  | 4.6      | 1                | 18565      | 4.5      | 1                | 18095      | 4.3      | 1                |
| 80%                | -22°F                       | -22.5°F | 8670                   | 1.5      | 2                | 8557       | 1.4      | 2                | 8341       | 1.4      | 2                |
|                    | -5°F                        | -6°F    | 10506                  | 1.9      | 2                | 10369      | 1.8      | 2                | 10107      | 1.8      | 2                |
|                    | 0°F                         | -1°F    | 11118                  | 2.1      | 2                | 10973      | 2.0      | 2                | 10696      | 1.9      | 2                |
|                    | 5°F                         | 3°F     | 11730                  | 2.2      | 2                | 11578      | 2.1      | 2                | 11284      | 2.0      | 2                |
|                    | 7°F                         | 5°F     | 11839                  | 2.3      | 2                | 11685      | 2.2      | 2                | 11389      | 2.1      | 2                |
|                    | 17°F                        | 15°F    | 12495                  | 2.6      | 1                | 12333      | 2.5      | 1                | 12020      | 2.4      | 1                |
|                    | 28°F                        | 26°F    | 13547                  | 3.0      | 1                | 13371      | 2.9      | 1                | 13032      | 2.8      | 1                |
|                    | 38°F                        | 35°F    | 14423                  | 3.4      | 1                | 14236      | 3.3      | 1                | 13875      | 3.1      | 1                |
|                    | 47°F                        | 43°F    | 15300                  | 3.9      | 1                | 15101      | 3.7      | 1                | 14719      | 3.6      | 1                |
|                    | 57°F                        | 52°F    | 15759                  | 4.2      | 1                | 15554      | 4.0      | 1                | 15160      | 3.8      | 1                |
|                    | 68°F                        | 63°F    | 16371                  | 4.4      | 1                | 16158      | 4.3      | 1                | 15749      | 4.1      | 1                |
|                    | 77°F                        | 71°F    | 16830                  | 4.6      | 1                | 16611      | 4.5      | 1                | 16190      | 4.3      | 1                |



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# EXTENDED RATINGS

MUL18HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 70%                | -22°F                       | -22.5°F | 7650                   | 1.5      | 1.5              | 7551       | 1.4      | 2                | 7359       | 1.4      | 1.6              |
|                    | -5°F                        | -6°F    | 9270                   | 1.9      | 1.4              | 9149       | 1.8      | 1                | 8918       | 1.8      | 1.5              |
|                    | 0°F                         | -1°F    | 9810                   | 2.0      | 1.4              | 9682       | 2.0      | 1                | 9437       | 1.9      | 1.5              |
|                    | 5°F                         | 3°F     | 10350                  | 2.2      | 1.4              | 10215      | 2.1      | 1                | 9957       | 2.0      | 1.4              |
|                    | 7°F                         | 5°F     | 10446                  | 2.3      | 1.4              | 10311      | 2.2      | 1                | 10049      | 2.1      | 1.4              |
|                    | 17°F                        | 15°F    | 11025                  | 2.6      | 1.2              | 10882      | 2.5      | 1                | 10606      | 2.4      | 1.3              |
|                    | 28°F                        | 26°F    | 11953                  | 3.0      | 1.2              | 11798      | 2.9      | 1                | 11499      | 2.8      | 1.2              |
|                    | 38°F                        | 35°F    | 12727                  | 3.4      | 1.1              | 12561      | 3.3      | 1                | 12243      | 3.1      | 1.1              |
|                    | 47°F                        | 43°F    | 13500                  | 3.9      | 1.0              | 13325      | 3.7      | 1                | 12987      | 3.6      | 1.1              |
|                    | 57°F                        | 52°F    | 13905                  | 4.2      | 1.0              | 13724      | 4.0      | 1                | 13377      | 3.8      | 1.0              |
|                    | 68°F                        | 63°F    | 14445                  | 4.4      | 1.0              | 14257      | 4.2      | 1                | 13896      | 4.0      | 1.0              |
|                    | 77°F                        | 71°F    | 14850                  | 4.6      | 0.9              | 14657      | 4.5      | 1                | 14286      | 4.3      | 1.0              |
| 60%                | -22°F                       | -22.5°F | 6630                   | 1.5      | 1.3              | 6544       | 1.4      | 1                | 6378       | 1.4      | 1.4              |
|                    | -5°F                        | -6°F    | 8034                   | 1.9      | 1.2              | 7930       | 1.8      | 1                | 7729       | 1.7      | 1.3              |
|                    | 0°F                         | -1°F    | 8502                   | 2.0      | 1.2              | 8391       | 2.0      | 1                | 8179       | 1.9      | 1.3              |
|                    | 5°F                         | 3°F     | 8970                   | 2.2      | 1.2              | 8853       | 2.1      | 1                | 8629       | 2.0      | 1.3              |
|                    | 7°F                         | 5°F     | 9054                   | 2.2      | 1.2              | 8936       | 2.2      | 1                | 8710       | 2.1      | 1.2              |
|                    | 17°F                        | 15°F    | 9555                   | 2.6      | 1.1              | 9431       | 2.5      | 1                | 9192       | 2.4      | 1.1              |
|                    | 28°F                        | 26°F    | 10359                  | 3.0      | 1.0              | 10225      | 2.9      | 1                | 9966       | 2.8      | 1.1              |
|                    | 38°F                        | 35°F    | 11030                  | 3.4      | 1.0              | 10886      | 3.3      | 1                | 10611      | 3.1      | 1.0              |
|                    | 47°F                        | 43°F    | 11700                  | 3.9      | 0.9              | 11548      | 3.7      | 1                | 11255      | 3.5      | 0.9              |
|                    | 57°F                        | 52°F    | 12051                  | 4.2      | 0.9              | 11894      | 4.0      | 1                | 11593      | 3.8      | 0.9              |
|                    | 68°F                        | 63°F    | 12519                  | 4.4      | 0.8              | 12356      | 4.2      | 1                | 12043      | 4.0      | 0.9              |
|                    | 77°F                        | 71°F    | 12870                  | 4.6      | 0.8              | 12703      | 4.5      | 1                | 12381      | 4.2      | 0.9              |



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# EXTENDED RATINGS

MUL18HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 50%                | -22°F                       | -22.5°F | 5610                   | 1.5      | 1.1              | 5537       | 1.4      | 1.1              | 5397       | 1.4      | 1.2              |
|                    | -5°F                        | -6°F    | 6798                   | 1.9      | 1.1              | 6710       | 1.8      | 1.1              | 6540       | 1.7      | 1.1              |
|                    | 0°F                         | -1°F    | 7194                   | 2.0      | 1.0              | 7100       | 2.0      | 1.1              | 6921       | 1.9      | 1.1              |
|                    | 5°F                         | 3°F     | 7590                   | 2.2      | 1.0              | 7491       | 2.1      | 1.0              | 7302       | 2.0      | 1.1              |
|                    | 7°F                         | 5°F     | 7661                   | 2.2      | 1.0              | 7561       | 2.2      | 1.0              | 7370       | 2.1      | 1.1              |
|                    | 17°F                        | 15°F    | 8085                   | 2.6      | 0.9              | 7980       | 2.5      | 0.9              | 7778       | 2.4      | 1.0              |
|                    | 28°F                        | 26°F    | 8766                   | 3.0      | 0.9              | 8652       | 2.9      | 0.9              | 8433       | 2.8      | 0.9              |
|                    | 38°F                        | 35°F    | 9333                   | 3.4      | 0.8              | 9211       | 3.3      | 0.8              | 8978       | 3.1      | 0.8              |
|                    | 47°F                        | 43°F    | 9900                   | 3.8      | 0.8              | 9771       | 3.7      | 0.8              | 9524       | 3.5      | 0.8              |
|                    | 57°F                        | 52°F    | 10197                  | 4.1      | 0.7              | 10064      | 4.0      | 0.7              | 9810       | 3.8      | 0.8              |
|                    | 68°F                        | 63°F    | 10593                  | 4.4      | 0.7              | 10455      | 4.2      | 0.7              | 10190      | 4.0      | 0.7              |
|                    | 77°F                        | 71°F    | 10890                  | 4.6      | 0.7              | 10748      | 4.4      | 0.7              | 10476      | 4.2      | 0.7              |



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## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 135%               | -22°F                            | 9880                   | 7657       | 78% | 16.3 | 0.6              | 10544                 | 8204       | 78% | 16.8 | 0.6              | 11861                 | 9299       | 78% | 17.8 | 0.7              | 13462                 | 10568      | 79% | 19.2 | 0.7              |
|                    | -4°F                             | 10511                  | 8146       | 78% | 16.3 | 0.6              | 11217                 | 8727       | 78% | 16.8 | 0.7              | 12618                 | 9893       | 78% | 17.8 | 0.7              | 14322                 | 11242      | 79% | 19.2 | 0.7              |
|                    | 5°F                              | 11182                  | 8666       | 78% | 16.3 | 0.7              | 11933                 | 9284       | 78% | 16.8 | 0.7              | 13423                 | 10524      | 78% | 17.8 | 0.8              | 15236                 | 11960      | 79% | 19.2 | 0.8              |
|                    | 14°F                             | 11895                  | 9219       | 78% | 16.3 | 0.7              | 12695                 | 9877       | 78% | 16.8 | 0.8              | 14280                 | 11196      | 78% | 17.8 | 0.8              | 16208                 | 12723      | 79% | 19.2 | 0.8              |
|                    | 23°F                             | 12655                  | 9807       | 78% | 16.3 | 0.8              | 13506                 | 10507      | 78% | 16.8 | 0.8              | 15192                 | 11910      | 78% | 17.8 | 0.9              | 17243                 | 13536      | 79% | 19.2 | 0.9              |
|                    | 32°F                             | 13463                  | 10433      | 78% | 16.3 | 0.8              | 14368                 | 11178      | 78% | 16.8 | 0.9              | 16162                 | 12671      | 78% | 17.8 | 0.9              | 18343                 | 14399      | 79% | 19.2 | 1.0              |
|                    | 41°F                             | 14322                  | 11099      | 78% | 16.3 | 0.9              | 15285                 | 11891      | 78% | 16.8 | 0.9              | 17193                 | 13479      | 78% | 17.8 | 1.0              | 19514                 | 15319      | 79% | 19.2 | 1.0              |
|                    | 50°F                             | 15236                  | 11808      | 78% | 16.3 | 0.9              | 16260                 | 12650      | 78% | 16.8 | 1.0              | 18291                 | 14340      | 78% | 17.8 | 1.0              | 20760                 | 16296      | 79% | 19.2 | 1.1              |
|                    | 59°F                             | 16209                  | 12562      | 78% | 16.3 | 1.0              | 17298                 | 13458      | 78% | 16.8 | 1.0              | 19458                 | 15255      | 78% | 17.8 | 1.1              | 22085                 | 17337      | 79% | 19.2 | 1.1              |
|                    | 68°F                             | 17243                  | 13363      | 78% | 16.3 | 1.1              | 18402                 | 14317      | 78% | 16.8 | 1.1              | 20700                 | 16229      | 78% | 17.8 | 1.2              | 23495                 | 18443      | 79% | 19.2 | 1.2              |
|                    | 77°F                             | 16493                  | 12782      | 78% | 14.6 | 1.1              | 17602                 | 13695      | 78% | 15.1 | 1.2              | 19800                 | 15523      | 78% | 16.0 | 1.2              | 22473                 | 17641      | 79% | 17.3 | 1.3              |
|                    | 86°F                             | 15744                  | 12201      | 78% | 13.1 | 1.2              | 16802                 | 13072      | 78% | 13.5 | 1.2              | 18900                 | 14818      | 78% | 14.4 | 1.3              | 21452                 | 16839      | 79% | 15.5 | 1.4              |
|                    | 95°F                             | 14994                  | 11620      | 78% | 11.7 | 1.3              | 16002                 | 12450      | 78% | 12.1 | 1.3              | 18000                 | 14112      | 78% | 12.9 | 1.4              | 20430                 | 16038      | 79% | 13.9 | 1.5              |
| 120%               | 104°F                            | 14244                  | 11039      | 78% | 8.9  | 1.6              | 15202                 | 11827      | 78% | 9.2  | 1.7              | 17100                 | 13406      | 78% | 9.8  | 1.8              | 19409                 | 15236      | 79% | 10.5 | 1.8              |
|                    | 113°F                            | 13495                  | 10458      | 78% | 7.0  | 1.9              | 14402                 | 11205      | 78% | 7.3  | 2.0              | 16200                 | 12701      | 78% | 7.7  | 2.1              | 18387                 | 14434      | 79% | 8.3  | 2.2              |
|                    | 118°F                            | 13045                  | 10110      | 78% | 6.5  | 2.0              | 13922                 | 10831      | 78% | 6.7  | 2.1              | 15660                 | 12277      | 78% | 7.1  | 2.2              | 17774                 | 13953      | 79% | 7.7  | 2.3              |
|                    | -22°F                            | 9880                   | 7657       | 78% | 16.3 | 0.6              | 10544                 | 8204       | 78% | 16.8 | 0.6              | 11861                 | 9299       | 78% | 17.8 | 0.7              | 13462                 | 10568      | 79% | 19.2 | 0.7              |
|                    | -4°F                             | 10511                  | 8146       | 78% | 16.3 | 0.6              | 11217                 | 8727       | 78% | 16.8 | 0.7              | 12618                 | 9893       | 78% | 17.8 | 0.7              | 14322                 | 11242      | 79% | 19.2 | 0.7              |
|                    | 5°F                              | 11182                  | 8666       | 78% | 16.3 | 0.7              | 11933                 | 9284       | 78% | 16.8 | 0.7              | 13423                 | 10524      | 78% | 17.8 | 0.8              | 15236                 | 11960      | 79% | 19.2 | 0.8              |
|                    | 14°F                             | 11895                  | 9219       | 78% | 16.3 | 0.7              | 12695                 | 9877       | 78% | 16.8 | 0.8              | 14280                 | 11196      | 78% | 17.8 | 0.8              | 16208                 | 12723      | 79% | 19.2 | 0.8              |
|                    | 23°F                             | 12655                  | 9807       | 78% | 16.3 | 0.8              | 13506                 | 10507      | 78% | 16.8 | 0.8              | 15192                 | 11910      | 78% | 17.8 | 0.9              | 17243                 | 13536      | 79% | 19.2 | 0.9              |
|                    | 32°F                             | 13463                  | 10433      | 78% | 16.3 | 0.8              | 14368                 | 11178      | 78% | 16.8 | 0.9              | 16162                 | 12671      | 78% | 17.8 | 0.9              | 18343                 | 14399      | 79% | 19.2 | 1.0              |
|                    | 41°F                             | 14322                  | 11099      | 78% | 16.3 | 0.9              | 15285                 | 11891      | 78% | 16.8 | 0.9              | 17193                 | 13479      | 78% | 17.8 | 1.0              | 19514                 | 15319      | 79% | 19.2 | 1.0              |
|                    | 50°F                             | 15236                  | 11808      | 78% | 16.3 | 0.9              | 16260                 | 12650      | 78% | 16.8 | 1.0              | 18291                 | 14340      | 78% | 17.8 | 1.0              | 20760                 | 16296      | 79% | 19.2 | 1.1              |
|                    | 59°F                             | 16209                  | 12562      | 78% | 16.3 | 1.0              | 17298                 | 13458      | 78% | 16.8 | 1.0              | 19458                 | 15255      | 78% | 17.8 | 1.1              | 22085                 | 17337      | 79% | 19.2 | 1.1              |
|                    | 68°F                             | 17243                  | 13363      | 78% | 16.3 | 1.1              | 18402                 | 14317      | 78% | 16.8 | 1.1              | 20700                 | 16229      | 78% | 17.8 | 1.2              | 23495                 | 18443      | 79% | 19.2 | 1.2              |
|                    | 77°F                             | 16493                  | 12782      | 78% | 14.6 | 1.1              | 17602                 | 13695      | 78% | 15.1 | 1.2              | 19800                 | 15523      | 78% | 16.0 | 1.2              | 22473                 | 17641      | 79% | 17.3 | 1.3              |



## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 110%               | -22°F                            | 9880                   | 7657       | 78% | 16.3 | 0.6              | 10544                 | 8204       | 78% | 16.8 | 0.6              | 11861                 | 9299       | 78% | 17.8 | 0.7              | 13462                 | 10568      | 79% | 19.2 | 0.7              |
|                    | -4°F                             | 10511                  | 8146       | 78% | 16.3 | 0.6              | 11217                 | 8727       | 78% | 16.8 | 0.7              | 12618                 | 9893       | 78% | 17.8 | 0.7              | 14322                 | 11242      | 79% | 19.2 | 0.7              |
|                    | 5°F                              | 11182                  | 8666       | 78% | 16.3 | 0.7              | 11933                 | 9284       | 78% | 16.8 | 0.7              | 13423                 | 10524      | 78% | 17.8 | 0.8              | 15236                 | 11960      | 79% | 19.2 | 0.8              |
|                    | 14°F                             | 11895                  | 9219       | 78% | 16.3 | 0.7              | 12695                 | 9877       | 78% | 16.8 | 0.8              | 14280                 | 11196      | 78% | 17.8 | 0.8              | 16208                 | 12723      | 79% | 19.2 | 0.8              |
|                    | 23°F                             | 12655                  | 9807       | 78% | 16.3 | 0.8              | 13506                 | 10507      | 78% | 16.8 | 0.8              | 15192                 | 11910      | 78% | 17.8 | 0.9              | 17243                 | 13536      | 79% | 19.2 | 0.9              |
|                    | 32°F                             | 13463                  | 10433      | 78% | 16.3 | 0.8              | 14368                 | 11178      | 78% | 16.8 | 0.9              | 16162                 | 12671      | 78% | 17.8 | 0.9              | 18343                 | 14399      | 79% | 19.2 | 1.0              |
|                    | 41°F                             | 14322                  | 11099      | 78% | 16.3 | 0.9              | 15285                 | 11891      | 78% | 16.8 | 0.9              | 17193                 | 13479      | 78% | 17.8 | 1.0              | 19514                 | 15319      | 79% | 19.2 | 1.0              |
|                    | 50°F                             | 15236                  | 11808      | 78% | 16.3 | 0.9              | 16260                 | 12650      | 78% | 16.8 | 1.0              | 18291                 | 14340      | 78% | 17.8 | 1.0              | 20760                 | 16296      | 79% | 19.2 | 1.1              |
|                    | 59°F                             | 16209                  | 12562      | 78% | 16.3 | 1.0              | 17298                 | 13458      | 78% | 16.8 | 1.0              | 19458                 | 15255      | 78% | 17.8 | 1.1              | 22085                 | 17337      | 79% | 19.2 | 1.1              |
|                    | 68°F                             | 17243                  | 13363      | 78% | 16.3 | 1.1              | 18402                 | 14317      | 78% | 16.8 | 1.1              | 20700                 | 16229      | 78% | 17.8 | 1.2              | 23495                 | 18443      | 79% | 19.2 | 1.2              |
|                    | 77°F                             | 16493                  | 12782      | 78% | 14.6 | 1.1              | 17602                 | 13695      | 78% | 15.1 | 1.2              | 19800                 | 15523      | 78% | 16.0 | 1.2              | 22473                 | 17641      | 79% | 17.3 | 1.3              |
|                    | 86°F                             | 15744                  | 12201      | 78% | 13.1 | 1.2              | 16802                 | 13072      | 78% | 13.5 | 1.2              | 18900                 | 14818      | 78% | 14.4 | 1.3              | 21452                 | 16839      | 79% | 15.5 | 1.4              |
|                    | 95°F                             | 14994                  | 11620      | 78% | 11.7 | 1.3              | 16002                 | 12450      | 78% | 12.1 | 1.3              | 18000                 | 14112      | 78% | 12.9 | 1.4              | 20430                 | 16038      | 79% | 13.9 | 1.5              |
|                    | 104°F                            | 14244                  | 11039      | 78% | 8.9  | 1.6              | 15202                 | 11827      | 78% | 9.2  | 1.7              | 17100                 | 13406      | 78% | 9.8  | 1.8              | 19409                 | 15236      | 79% | 10.5 | 1.8              |
|                    | 113°F                            | 13495                  | 10458      | 78% | 7.0  | 1.9              | 14402                 | 11205      | 78% | 7.3  | 2.0              | 16200                 | 12701      | 78% | 7.7  | 2.1              | 18387                 | 14434      | 79% | 8.3  | 2.2              |
|                    | 118°F                            | 13045                  | 10110      | 78% | 6.5  | 2.0              | 13922                 | 10831      | 78% | 6.7  | 2.1              | 15660                 | 12277      | 78% | 7.1  | 2.2              | 17774                 | 13953      | 79% | 7.7  | 2.3              |
| 100%               | -22°F                            | 9880                   | 7657       | 78% | 16.3 | 1                | 10544                 | 8204       | 78% | 16.8 | 1                | 11861                 | 9299       | 78% | 17.8 | 1                | 13462                 | 10568      | 79% | 19.2 | 1                |
|                    | -4°F                             | 10511                  | 8146       | 78% | 16.3 | 1                | 11217                 | 8727       | 78% | 16.8 | 1                | 12618                 | 9893       | 78% | 17.8 | 1                | 14322                 | 11242      | 79% | 19.2 | 1                |
|                    | 5°F                              | 11182                  | 8666       | 78% | 16.3 | 1                | 11933                 | 9284       | 78% | 16.8 | 1                | 13423                 | 10524      | 78% | 17.8 | 1                | 15236                 | 11960      | 79% | 19.2 | 1                |
|                    | 14°F                             | 11895                  | 9219       | 78% | 16.3 | 1                | 12695                 | 9877       | 78% | 16.8 | 1                | 14280                 | 11196      | 78% | 17.8 | 1                | 16208                 | 12723      | 79% | 19.2 | 1                |
|                    | 23°F                             | 12655                  | 9807       | 78% | 16.3 | 1                | 13506                 | 10507      | 78% | 16.8 | 1                | 15192                 | 11910      | 78% | 17.8 | 1                | 17243                 | 13536      | 79% | 19.2 | 1                |
|                    | 32°F                             | 13463                  | 10433      | 78% | 16.3 | 1                | 14368                 | 11178      | 78% | 16.8 | 1                | 16162                 | 12671      | 78% | 17.8 | 1                | 18343                 | 14399      | 79% | 19.2 | 1                |
|                    | 41°F                             | 14322                  | 11099      | 78% | 16.3 | 1                | 15285                 | 11891      | 78% | 16.8 | 1                | 17193                 | 13479      | 78% | 17.8 | 1                | 19514                 | 15319      | 79% | 19.2 | 1                |
|                    | 50°F                             | 15236                  | 11808      | 78% | 16.3 | 1                | 16260                 | 12650      | 78% | 16.8 | 1                | 18291                 | 14340      | 78% | 17.8 | 1                | 20760                 | 16296      | 79% | 19.2 | 1                |
|                    | 59°F                             | 16209                  | 12562      | 78% | 16.3 | 1                | 17298                 | 13458      | 78% | 16.8 | 1                | 19458                 | 15255      | 78% | 17.8 | 1                | 22085                 | 17337      | 79% | 19.2 | 1                |
|                    | 68°F                             | 17243                  | 13363      | 78% | 16.3 | 1                | 18402                 | 14317      | 78% | 16.8 | 1                | 20700                 | 16229      | 78% | 17.8 | 1                | 23495                 | 18443      | 79% | 19.2 | 1                |
|                    | 77°F                             | 16493                  | 12782      | 78% | 14.6 | 1                | 17602                 | 13695      | 78% | 15.1 | 1                | 19800                 | 15523      | 78% | 16.0 | 1                | 22473                 | 17641      | 79% | 17.3 | 1                |
|                    | 86°F                             | 15744                  | 12201      | 78% | 13.1 | 1                | 16802                 | 13072      | 78% | 13.5 | 1                | 18900                 | 14818      | 78% | 14.4 | 1                | 21452                 | 16839      | 79% | 15.5 | 1                |
|                    | 95°F                             | 14994                  | 11620      | 78% | 11.7 | 1                | 16002                 | 12450      | 78% | 12.1 | 1                | 18000                 | 14112      | 78% | 12.9 | 1                | 20430                 | 16038      | 79% | 13.9 | 1                |
|                    | 104°F                            | 14244                  | 11039      | 78% | 8.9  | 2                | 15202                 | 11827      | 78% | 9.2  | 2                | 17100                 | 13406      | 78% | 9.8  | 2                | 19409                 | 15236      | 79% | 10.5 | 2                |
|                    | 113°F                            | 13495                  | 10458      | 78% | 7.0  | 2                | 14402                 | 11205      | 78% | 7.3  | 2                | 16200                 | 12701      | 78% | 7.7  | 2                | 18387                 | 14434      | 79% | 8.3  | 2                |
|                    | 118°F                            | 13045                  | 10110      | 78% | 6.5  | 2                | 13922                 | 10831      | 78% | 6.7  | 2                | 15660                 | 12277      | 78% | 7.1  | 2                | 17774                 | 13953      | 79% | 7.7  | 2                |



## EXTENDED RATINGS

## MUL19HPJ132OA

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 90%                | -22°F                            | 9386                   | 7274       | 78% | 16.1 | 0.6              | 10017                 | 7793       | 78% | 16.6 | 0.6              | 11268                 | 8834       | 78% | 17.6 | 0.6              | 12789                 | 10039      | 79% | 19.0 | 0.7              |
|                    | -4°F                             | 9985                   | 7739       | 78% | 16.1 | 0.6              | 10657                 | 8291       | 78% | 16.6 | 0.6              | 11987                 | 9398       | 78% | 17.6 | 0.7              | 13605                 | 10680      | 79% | 19.0 | 0.7              |
|                    | 5°F                              | 10623                  | 8233       | 78% | 16.1 | 0.7              | 11337                 | 8820       | 78% | 16.6 | 0.7              | 12752                 | 9998       | 78% | 17.6 | 0.7              | 14474                 | 11362      | 79% | 19.0 | 0.8              |
|                    | 14°F                             | 11301                  | 8758       | 78% | 16.1 | 0.7              | 12060                 | 9383       | 78% | 16.6 | 0.7              | 13566                 | 10636      | 78% | 17.6 | 0.8              | 15398                 | 12087      | 79% | 19.0 | 0.8              |
|                    | 23°F                             | 12022                  | 9317       | 78% | 16.1 | 0.7              | 12830                 | 9982       | 78% | 16.6 | 0.8              | 14432                 | 11315      | 78% | 17.6 | 0.8              | 16381                 | 12859      | 79% | 19.0 | 0.9              |
|                    | 32°F                             | 12789                  | 9912       | 78% | 16.1 | 0.8              | 13649                 | 10619      | 78% | 16.6 | 0.8              | 15353                 | 12037      | 78% | 17.6 | 0.9              | 17426                 | 13680      | 79% | 19.0 | 0.9              |
|                    | 41°F                             | 13606                  | 10544      | 78% | 16.1 | 0.8              | 14520                 | 11297      | 78% | 16.6 | 0.9              | 16333                 | 12805      | 78% | 17.6 | 0.9              | 18538                 | 14553      | 79% | 19.0 | 1.0              |
|                    | 50°F                             | 14474                  | 11218      | 78% | 16.1 | 0.9              | 15447                 | 12018      | 78% | 16.6 | 0.9              | 17376                 | 13623      | 78% | 17.6 | 1.0              | 19722                 | 15482      | 79% | 19.0 | 1.0              |
|                    | 59°F                             | 15398                  | 11934      | 78% | 16.1 | 1.0              | 16433                 | 12785      | 78% | 16.6 | 1.0              | 18485                 | 14492      | 78% | 17.6 | 1.0              | 20981                 | 16470      | 79% | 19.0 | 1.1              |
|                    | 68°F                             | 16381                  | 12695      | 78% | 16.1 | 1.0              | 17482                 | 13601      | 78% | 16.6 | 1.1              | 19665                 | 15417      | 78% | 17.6 | 1.1              | 22320                 | 17521      | 79% | 19.0 | 1.2              |
|                    | 77°F                             | 15669                  | 12143      | 78% | 14.5 | 1.1              | 16722                 | 13010      | 78% | 14.9 | 1.1              | 18810                 | 14747      | 78% | 15.8 | 1.2              | 21349                 | 16759      | 79% | 17.1 | 1.2              |
|                    | 86°F                             | 14957                  | 11591      | 78% | 13.0 | 1.2              | 15962                 | 12418      | 78% | 13.4 | 1.2              | 17955                 | 14077      | 78% | 14.2 | 1.3              | 20379                 | 15997      | 79% | 15.3 | 1.3              |
|                    | 95°F                             | 14244                  | 11039      | 78% | 11.6 | 1.2              | 15202                 | 11827      | 78% | 12.0 | 1.3              | 17100                 | 13406      | 78% | 12.7 | 1.3              | 19409                 | 15236      | 79% | 13.7 | 1.4              |
|                    | 104°F                            | 13532                  | 10487      | 78% | 8.8  | 1.5              | 14442                 | 11236      | 78% | 9.1  | 1.6              | 16245                 | 12736      | 78% | 9.7  | 1.7              | 18438                 | 14474      | 79% | 10.4 | 1.8              |
| 80%                | 113°F                            | 12820                  | 9935       | 78% | 7.0  | 1.8              | 13682                 | 10644      | 78% | 7.2  | 1.9              | 15390                 | 12066      | 78% | 7.6  | 2.0              | 17468                 | 13712      | 79% | 8.2  | 2.1              |
|                    | 118°F                            | 12393                  | 9604       | 78% | 6.4  | 1.9              | 13226                 | 10290      | 78% | 6.6  | 2.0              | 14877                 | 11664      | 78% | 7.0  | 2.1              | 16885                 | 13255      | 79% | 7.6  | 2.2              |
|                    | -22°F                            | 8398                   | 6509       | 78% | 16.1 | 0.5              | 8963                  | 6973       | 78% | 16.6 | 0.5              | 10082                 | 7904       | 78% | 17.6 | 0.6              | 11443                 | 8983       | 79% | 19.0 | 0.6              |
|                    | -4°F                             | 8934                   | 6924       | 78% | 16.1 | 0.6              | 9535                  | 7418       | 78% | 16.6 | 0.6              | 10725                 | 8409       | 78% | 17.6 | 0.6              | 12173                 | 9556       | 79% | 19.0 | 0.6              |
|                    | 5°F                              | 9504                   | 7366       | 78% | 16.1 | 0.6              | 10143                 | 7892       | 78% | 16.6 | 0.6              | 11410                 | 8945       | 78% | 17.6 | 0.6              | 12950                 | 10166      | 79% | 19.0 | 0.7              |
|                    | 14°F                             | 10111                  | 7836       | 78% | 16.1 | 0.6              | 10791                 | 8395       | 78% | 16.6 | 0.7              | 12138                 | 9516       | 78% | 17.6 | 0.7              | 13777                 | 10815      | 79% | 19.0 | 0.7              |
|                    | 23°F                             | 10757                  | 8336       | 78% | 16.1 | 0.7              | 11480                 | 8931       | 78% | 16.6 | 0.7              | 12913                 | 10124      | 78% | 17.6 | 0.7              | 14656                 | 11505      | 79% | 19.0 | 0.8              |
|                    | 32°F                             | 11443                  | 8868       | 78% | 16.1 | 0.7              | 12212                 | 9501       | 78% | 16.6 | 0.7              | 13737                 | 10770      | 78% | 17.6 | 0.8              | 15592                 | 12240      | 79% | 19.0 | 0.8              |
|                    | 41°F                             | 12174                  | 9435       | 78% | 16.1 | 0.8              | 12992                 | 10108      | 78% | 16.6 | 0.8              | 14614                 | 11457      | 78% | 17.6 | 0.8              | 16587                 | 13021      | 79% | 19.0 | 0.9              |
|                    | 50°F                             | 12951                  | 10037      | 78% | 16.1 | 0.8              | 13821                 | 10753      | 78% | 16.6 | 0.8              | 15547                 | 12189      | 78% | 17.6 | 0.9              | 17646                 | 13852      | 79% | 19.0 | 0.9              |
|                    | 59°F                             | 13777                  | 10677      | 78% | 16.1 | 0.9              | 14703                 | 11439      | 78% | 16.6 | 0.9              | 16539                 | 12967      | 78% | 17.6 | 0.9              | 18772                 | 14736      | 79% | 19.0 | 1.0              |
|                    | 68°F                             | 14657                  | 11359      | 78% | 16.1 | 0.9              | 15642                 | 12169      | 78% | 16.6 | 0.9              | 17595                 | 13794      | 78% | 17.6 | 1.0              | 19970                 | 15677      | 79% | 19.0 | 1.1              |
|                    | 77°F                             | 14019                  | 10865      | 78% | 14.5 | 1.0              | 14962                 | 11640      | 78% | 14.9 | 1.0              | 16830                 | 13195      | 78% | 15.8 | 1.1              | 19102                 | 14995      | 79% | 17.1 | 1.1              |
|                    | 86°F                             | 13382                  | 10371      | 78% | 13.0 | 1.0              | 14282                 | 11111      | 78% | 13.4 | 1.1              | 16065                 | 12595      | 78% | 14.2 | 1.1              | 18234                 | 14314      | 79% | 15.3 | 1.2              |
|                    | 95°F                             | 12745                  | 9877       | 78% | 11.6 | 1.1              | 13602                 | 10582      | 78% | 12.0 | 1.1              | 15300                 | 11995      | 78% | 12.7 | 1.2              | 17366                 | 13632      | 79% | 13.7 | 1.3              |
|                    | 104°F                            | 12108                  | 9383       | 78% | 8.8  | 1.4              | 12922                 | 10053      | 78% | 9.1  | 1.4              | 14535                 | 11395      | 78% | 9.7  | 1.5              | 16497                 | 12950      | 79% | 10.4 | 1.6              |
|                    | 113°F                            | 11470                  | 8890       | 78% | 7.0  | 1.6              | 12242                 | 9524       | 78% | 7.2  | 1.7              | 13770                 | 10796      | 78% | 7.6  | 1.8              | 15629                 | 12269      | 79% | 8.2  | 1.9              |
|                    | 118°F                            | 11088                  | 8593       | 78% | 6.4  | 1.7              | 11833                 | 9206       | 78% | 6.6  | 1.8              | 13311                 | 10436      | 78% | 7.0  | 1.9              | 15108                 | 11860      | 79% | 7.6  | 2.0              |


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## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 70%                | -22°F                            | 7410                   | 5743       | 78% | 16.1 | 0.5              | 7908                  | 6153       | 78% | 16.6 | 0.5              | 8896                  | 6974       | 78% | 17.6 | 0.5              | 10097                 | 7926       | 79% | 19.0 | 0.5              |
|                    | -4°F                             | 7883                   | 6109       | 78% | 16.1 | 0.5              | 8413                  | 6545       | 78% | 16.6 | 0.5              | 9464                  | 7419       | 78% | 17.6 | 0.5              | 10741                 | 8432       | 79% | 19.0 | 0.6              |
|                    | 5°F                              | 8386                   | 6499       | 78% | 16.1 | 0.5              | 8950                  | 6963       | 78% | 16.6 | 0.5              | 10068                 | 7893       | 78% | 17.6 | 0.6              | 11427                 | 8970       | 79% | 19.0 | 0.6              |
|                    | 14°F                             | 8922                   | 6914       | 78% | 16.1 | 0.6              | 9521                  | 7408       | 78% | 16.6 | 0.6              | 10710                 | 8397       | 78% | 17.6 | 0.6              | 12156                 | 9543       | 79% | 19.0 | 0.6              |
|                    | 23°F                             | 9491                   | 7356       | 78% | 16.1 | 0.6              | 10129                 | 7880       | 78% | 16.6 | 0.6              | 11394                 | 8933       | 78% | 17.6 | 0.6              | 12932                 | 10152      | 79% | 19.0 | 0.7              |
|                    | 32°F                             | 10097                  | 7825       | 78% | 16.1 | 0.6              | 10776                 | 8383       | 78% | 16.6 | 0.7              | 12121                 | 9503       | 78% | 17.6 | 0.7              | 13757                 | 10800      | 79% | 19.0 | 0.7              |
|                    | 41°F                             | 10741                  | 8325       | 78% | 16.1 | 0.7              | 11463                 | 8919       | 78% | 16.6 | 0.7              | 12895                 | 10110      | 78% | 17.6 | 0.7              | 14636                 | 11489      | 79% | 19.0 | 0.8              |
|                    | 50°F                             | 11427                  | 8856       | 78% | 16.1 | 0.7              | 12195                 | 9488       | 78% | 16.6 | 0.7              | 13718                 | 10755      | 78% | 17.6 | 0.8              | 15570                 | 12222      | 79% | 19.0 | 0.8              |
|                    | 59°F                             | 12156                  | 9421       | 78% | 16.1 | 0.8              | 12974                 | 10093      | 78% | 16.6 | 0.8              | 14594                 | 11441      | 78% | 17.6 | 0.8              | 16564                 | 13002      | 79% | 19.0 | 0.9              |
|                    | 68°F                             | 12932                  | 10023      | 78% | 16.1 | 0.8              | 13802                 | 10738      | 78% | 16.6 | 0.8              | 15525                 | 12172      | 78% | 17.6 | 0.9              | 17621                 | 13832      | 79% | 19.0 | 0.9              |
|                    | 77°F                             | 12370                  | 9587       | 78% | 14.4 | 0.9              | 13202                 | 10271      | 78% | 14.9 | 0.9              | 14850                 | 11642      | 78% | 15.8 | 0.9              | 16855                 | 13231      | 79% | 17.0 | 1.0              |
|                    | 86°F                             | 11808                  | 9151       | 78% | 13.0 | 0.9              | 12602                 | 9804       | 78% | 13.4 | 0.9              | 14175                 | 11113      | 78% | 14.2 | 1.0              | 16089                 | 12630      | 79% | 15.3 | 1.1              |
|                    | 95°F                             | 11246                  | 8715       | 78% | 11.6 | 1.0              | 12002                 | 9337       | 78% | 12.0 | 1.0              | 13500                 | 10584      | 78% | 12.7 | 1.1              | 15323                 | 12028      | 79% | 13.7 | 1.1              |
|                    | 104°F                            | 10683                  | 8279       | 78% | 8.8  | 1.2              | 11401                 | 8870       | 78% | 9.1  | 1.3              | 12825                 | 10055      | 78% | 9.6  | 1.3              | 14556                 | 11427      | 79% | 10.4 | 1.4              |
|                    | 113°F                            | 10121                  | 7844       | 78% | 7.0  | 1.5              | 10801                 | 8403       | 78% | 7.2  | 1.5              | 12150                 | 9526       | 78% | 7.6  | 1.6              | 13790                 | 10825      | 79% | 8.2  | 1.7              |
|                    | 118°F                            | 9784                   | 7582       | 78% | 6.4  | 1.5              | 10441                 | 8123       | 78% | 6.6  | 1.6              | 11745                 | 9208       | 78% | 7.0  | 1.7              | 13331                 | 10465      | 79% | 7.6  | 1.8              |
| 60%                | -22°F                            | 6422                   | 4977       | 78% | 16.0 | 0.4              | 6854                  | 5332       | 78% | 16.5 | 0.4              | 7710                  | 6044       | 78% | 17.5 | 0.4              | 8750                  | 6869       | 79% | 18.9 | 0.5              |
|                    | -4°F                             | 6832                   | 5295       | 78% | 16.0 | 0.4              | 7291                  | 5673       | 78% | 16.5 | 0.4              | 8202                  | 6430       | 78% | 17.5 | 0.5              | 9309                  | 7308       | 79% | 18.9 | 0.5              |
|                    | 5°F                              | 7268                   | 5633       | 78% | 16.0 | 0.5              | 7757                  | 6035       | 78% | 16.5 | 0.5              | 8725                  | 6841       | 78% | 17.5 | 0.5              | 9903                  | 7774       | 79% | 18.9 | 0.5              |
|                    | 14°F                             | 7732                   | 5992       | 78% | 16.0 | 0.5              | 8252                  | 6420       | 78% | 16.5 | 0.5              | 9282                  | 7277       | 78% | 17.5 | 0.5              | 10535                 | 8270       | 79% | 18.9 | 0.6              |
|                    | 23°F                             | 8226                   | 6375       | 78% | 16.0 | 0.5              | 8779                  | 6830       | 78% | 16.5 | 0.5              | 9875                  | 7742       | 78% | 17.5 | 0.6              | 11208                 | 8798       | 79% | 18.9 | 0.6              |
|                    | 32°F                             | 8751                   | 6782       | 78% | 16.0 | 0.5              | 9339                  | 7266       | 78% | 16.5 | 0.6              | 10505                 | 8236       | 78% | 17.5 | 0.6              | 11923                 | 9360       | 79% | 18.9 | 0.6              |
|                    | 41°F                             | 9309                   | 7215       | 78% | 16.0 | 0.6              | 9935                  | 7729       | 78% | 16.5 | 0.6              | 11176                 | 8762       | 78% | 17.5 | 0.6              | 12684                 | 9957       | 79% | 18.9 | 0.7              |
|                    | 50°F                             | 9903                   | 7675       | 78% | 16.0 | 0.6              | 10569                 | 8223       | 78% | 16.5 | 0.6              | 11889                 | 9321       | 78% | 17.5 | 0.7              | 13494                 | 10593      | 79% | 18.9 | 0.7              |
|                    | 59°F                             | 10536                  | 8165       | 78% | 16.0 | 0.7              | 11244                 | 8748       | 78% | 16.5 | 0.7              | 12648                 | 9916       | 78% | 17.5 | 0.7              | 14355                 | 11269      | 79% | 18.9 | 0.8              |
|                    | 68°F                             | 11208                  | 8686       | 78% | 16.0 | 0.7              | 11961                 | 9306       | 78% | 16.5 | 0.7              | 13455                 | 10549      | 78% | 17.5 | 0.8              | 15271                 | 11988      | 79% | 18.9 | 0.8              |
|                    | 77°F                             | 10721                  | 8309       | 78% | 14.4 | 0.7              | 11441                 | 8901       | 78% | 14.9 | 0.8              | 12870                 | 10090      | 78% | 15.8 | 0.8              | 14607                 | 11467      | 79% | 17.0 | 0.9              |
|                    | 86°F                             | 10233                  | 7931       | 78% | 12.9 | 0.8              | 10921                 | 8497       | 78% | 13.3 | 0.8              | 12285                 | 9631       | 78% | 14.1 | 0.9              | 13943                 | 10946      | 79% | 15.3 | 0.9              |
|                    | 95°F                             | 9746                   | 7553       | 78% | 11.6 | 0.8              | 10401                 | 8092       | 78% | 11.9 | 0.9              | 11700                 | 9173       | 78% | 12.7 | 0.9              | 13280                 | 10424      | 79% | 13.7 | 1.0              |
|                    | 104°F                            | 9259                   | 7176       | 78% | 8.8  | 1.1              | 9881                  | 7688       | 78% | 9.1  | 1.1              | 11115                 | 8714       | 78% | 9.6  | 1.2              | 12616                 | 9903       | 79% | 10.4 | 1.2              |
|                    | 113°F                            | 8771                   | 6798       | 78% | 6.9  | 1.3              | 9361                  | 7283       | 78% | 7.2  | 1.3              | 10530                 | 8256       | 78% | 7.6  | 1.4              | 11952                 | 9382       | 79% | 8.2  | 1.5              |
|                    | 118°F                            | 8479                   | 6571       | 78% | 6.4  | 1.3              | 9049                  | 7040       | 78% | 6.6  | 1.4              | 10179                 | 7980       | 78% | 7.0  | 1.5              | 11553                 | 9069       | 79% | 7.6  | 1.5              |



## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (kBtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 50%                | -22°F                            | 5434                   | 4211       | 78% | 16.0 | 0.3              | 5799                  | 4512       | 78% | 16.5 | 0.4              | 6524                  | 5114       | 78% | 17.5 | 0.4              | 7404                  | 5812       | 79% | 18.9 | 0.4              |
|                    | -4°F                             | 5781                   | 4480       | 78% | 16.0 | 0.4              | 6170                  | 4800       | 78% | 16.5 | 0.4              | 6940                  | 5441       | 78% | 17.5 | 0.4              | 7877                  | 6183       | 79% | 18.9 | 0.4              |
|                    | 5°F                              | 6150                   | 4766       | 78% | 16.0 | 0.4              | 6563                  | 5106       | 78% | 16.5 | 0.4              | 7383                  | 5788       | 78% | 17.5 | 0.4              | 8380                  | 6578       | 79% | 18.9 | 0.4              |
|                    | 14°F                             | 6543                   | 5070       | 78% | 16.0 | 0.4              | 6982                  | 5432       | 78% | 16.5 | 0.4              | 7854                  | 6158       | 78% | 17.5 | 0.4              | 8914                  | 6998       | 79% | 18.9 | 0.5              |
|                    | 23°F                             | 6960                   | 5394       | 78% | 16.0 | 0.4              | 7428                  | 5779       | 78% | 16.5 | 0.5              | 8355                  | 6551       | 78% | 17.5 | 0.5              | 9483                  | 7445       | 79% | 18.9 | 0.5              |
|                    | 32°F                             | 7404                   | 5738       | 78% | 16.0 | 0.5              | 7902                  | 6148       | 78% | 16.5 | 0.5              | 8889                  | 6969       | 78% | 17.5 | 0.5              | 10089                 | 7920       | 79% | 18.9 | 0.5              |
|                    | 41°F                             | 7877                   | 6105       | 78% | 16.0 | 0.5              | 8407                  | 6540       | 78% | 16.5 | 0.5              | 9456                  | 7414       | 78% | 17.5 | 0.5              | 10733                 | 8425       | 79% | 18.9 | 0.6              |
|                    | 50°F                             | 8380                   | 6494       | 78% | 16.0 | 0.5              | 8943                  | 6958       | 78% | 16.5 | 0.5              | 10060                 | 7887       | 78% | 17.5 | 0.6              | 11418                 | 8963       | 79% | 18.9 | 0.6              |
|                    | 59°F                             | 8915                   | 6909       | 78% | 16.0 | 0.6              | 9514                  | 7402       | 78% | 16.5 | 0.6              | 10702                 | 8390       | 78% | 17.5 | 0.6              | 12147                 | 9535       | 79% | 18.9 | 0.6              |
|                    | 68°F                             | 9484                   | 7350       | 78% | 16.0 | 0.6              | 10121                 | 7874       | 78% | 16.5 | 0.6              | 11385                 | 8926       | 78% | 17.5 | 0.7              | 12922                 | 10144      | 79% | 18.9 | 0.7              |
|                    | 77°F                             | 9071                   | 7030       | 78% | 14.4 | 0.6              | 9681                  | 7532       | 78% | 14.8 | 0.7              | 10890                 | 8538       | 78% | 15.7 | 0.7              | 12360                 | 9703       | 79% | 17.0 | 0.7              |
|                    | 86°F                             | 8659                   | 6711       | 78% | 12.9 | 0.7              | 9241                  | 7190       | 78% | 13.3 | 0.7              | 10395                 | 8150       | 78% | 14.1 | 0.7              | 11798                 | 9262       | 79% | 15.2 | 0.8              |
|                    | 95°F                             | 8247                   | 6391       | 78% | 11.5 | 0.7              | 8801                  | 6847       | 78% | 11.9 | 0.7              | 9900                  | 7762       | 78% | 12.6 | 0.8              | 11237                 | 8821       | 79% | 13.6 | 0.8              |
|                    | 104°F                            | 7834                   | 6072       | 78% | 8.8  | 0.9              | 8361                  | 6505       | 78% | 9.1  | 0.9              | 9405                  | 7374       | 78% | 9.6  | 1.0              | 10675                 | 8380       | 79% | 10.4 | 1.0              |
|                    | 113°F                            | 7422                   | 5752       | 78% | 6.9  | 1.1              | 7921                  | 6163       | 78% | 7.1  | 1.1              | 8910                  | 6985       | 78% | 7.6  | 1.2              | 10113                 | 7939       | 79% | 8.2  | 1.2              |
|                    | 118°F                            | 7175                   | 5560       | 78% | 6.4  | 1.1              | 7657                  | 5957       | 78% | 6.6  | 1.2              | 8613                  | 6753       | 78% | 7.0  | 1.2              | 9776                  | 7674       | 79% | 7.5  | 1.3              |





# EXTENDED RATINGS

MUL19HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 135%               | -22°F                       | -22.5°F | 10200                  | 1.5      | 2.0              | 10067      | 1.5      | 2.0              | 9812       | 1.4      | 2.1              |
|                    | -5°F                        | -6°F    | 12360                  | 1.9      | 1.9              | 12199      | 1.9      | 1.9              | 11890      | 1.8      | 2.0              |
|                    | 0°F                         | -1°F    | 13080                  | 2.1      | 1.9              | 12910      | 2.0      | 1.9              | 12583      | 1.9      | 1.9              |
|                    | 5°F                         | 3°F     | 13800                  | 2.2      | 1.8              | 13621      | 2.1      | 1.9              | 13276      | 2.0      | 1.9              |
|                    | 7°F                         | 5°F     | 13929                  | 2.3      | 1.8              | 13748      | 2.2      | 1.8              | 13399      | 2.1      | 1.9              |
|                    | 17°F                        | 15°F    | 14700                  | 2.6      | 1.6              | 14509      | 2.5      | 1.7              | 14141      | 2.4      | 1.7              |
|                    | 28°F                        | 26°F    | 15938                  | 3.1      | 1.5              | 15730      | 2.9      | 1.6              | 15332      | 2.8      | 1.6              |
|                    | 38°F                        | 35°F    | 16969                  | 3.5      | 1.4              | 16748      | 3.3      | 1.5              | 16324      | 3.2      | 1.5              |
|                    | 47°F                        | 43°F    | 18000                  | 3.9      | 1.4              | 17766      | 3.8      | 1.4              | 17316      | 3.6      | 1.4              |
|                    | 57°F                        | 52°F    | 18540                  | 4.2      | 1.3              | 18299      | 4.1      | 1.3              | 17835      | 3.9      | 1.3              |
|                    | 68°F                        | 63°F    | 19260                  | 4.4      | 1.3              | 19010      | 4.3      | 1.3              | 18528      | 4.1      | 1.3              |
| 120%               | 77°F                        | 71°F    | 19800                  | 4.7      | 1.2              | 19543      | 4.5      | 1.3              | 19048      | 4.3      | 1.3              |
|                    | -22°F                       | -22.5°F | 10200                  | 1.5      | 2.0              | 10067      | 1.5      | 2.0              | 9812       | 1.4      | 2.1              |
|                    | -5°F                        | -6°F    | 12360                  | 1.9      | 1.9              | 12199      | 1.9      | 1.9              | 11890      | 1.8      | 2.0              |
|                    | 0°F                         | -1°F    | 13080                  | 2.1      | 1.9              | 12910      | 2.0      | 1.9              | 12583      | 1.9      | 1.9              |
|                    | 5°F                         | 3°F     | 13800                  | 2.2      | 1.8              | 13621      | 2.1      | 1.9              | 13276      | 2.0      | 1.9              |
|                    | 7°F                         | 5°F     | 13929                  | 2.3      | 1.8              | 13748      | 2.2      | 1.8              | 13399      | 2.1      | 1.9              |
|                    | 17°F                        | 15°F    | 14700                  | 2.6      | 1.6              | 14509      | 2.5      | 1.7              | 14141      | 2.4      | 1.7              |
|                    | 28°F                        | 26°F    | 15938                  | 3.1      | 1.5              | 15730      | 2.9      | 1.6              | 15332      | 2.8      | 1.6              |
|                    | 38°F                        | 35°F    | 16969                  | 3.5      | 1.4              | 16748      | 3.3      | 1.5              | 16324      | 3.2      | 1.5              |
|                    | 47°F                        | 43°F    | 18000                  | 3.9      | 1.4              | 17766      | 3.8      | 1.4              | 17316      | 3.6      | 1.4              |
|                    | 57°F                        | 52°F    | 18540                  | 4.2      | 1.3              | 18299      | 4.1      | 1.3              | 17835      | 3.9      | 1.3              |
|                    | 68°F                        | 63°F    | 19260                  | 4.4      | 1.3              | 19010      | 4.3      | 1.3              | 18528      | 4.1      | 1.3              |
|                    | 77°F                        | 71°F    | 19800                  | 4.7      | 1.2              | 19543      | 4.5      | 1.3              | 19048      | 4.3      | 1.3              |



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# EXTENDED RATINGS

MUL19HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 110%               | -22°F                       | -22.5°F | 10200                  | 1.5      | 2.0              | 10067      | 1.5      | 2.0              | 9812       | 1.4      | 2.1              |
|                    | -5°F                        | -6°F    | 12360                  | 1.9      | 1.9              | 12199      | 1.9      | 1.9              | 11890      | 1.8      | 2.0              |
|                    | 0°F                         | -1°F    | 13080                  | 2.1      | 1.9              | 12910      | 2.0      | 1.9              | 12583      | 1.9      | 1.9              |
|                    | 5°F                         | 3°F     | 13800                  | 2.2      | 1.8              | 13621      | 2.1      | 1.9              | 13276      | 2.0      | 1.9              |
|                    | 7°F                         | 5°F     | 13929                  | 2.3      | 1.8              | 13748      | 2.2      | 1.8              | 13399      | 2.1      | 1.9              |
|                    | 17°F                        | 15°F    | 14700                  | 2.6      | 1.6              | 14509      | 2.5      | 1.7              | 14141      | 2.4      | 1.7              |
|                    | 28°F                        | 26°F    | 15938                  | 3.1      | 1.5              | 15730      | 2.9      | 1.6              | 15332      | 2.8      | 1.6              |
|                    | 38°F                        | 35°F    | 16969                  | 3.5      | 1.4              | 16748      | 3.3      | 1.5              | 16324      | 3.2      | 1.5              |
|                    | 47°F                        | 43°F    | 18000                  | 3.9      | 1.4              | 17766      | 3.8      | 1.4              | 17316      | 3.6      | 1.4              |
|                    | 57°F                        | 52°F    | 18540                  | 4.2      | 1.3              | 18299      | 4.1      | 1.3              | 17835      | 3.9      | 1.3              |
|                    | 68°F                        | 63°F    | 19260                  | 4.4      | 1.3              | 19010      | 4.3      | 1.3              | 18528      | 4.1      | 1.3              |
|                    | 77°F                        | 71°F    | 19800                  | 4.7      | 1.2              | 19543      | 4.5      | 1.3              | 19048      | 4.3      | 1.3              |
| 100%               | -22°F                       | -22.5°F | 10200                  | 1.5      | 2.0              | 10067      | 1.5      | 2.0              | 9812       | 1.4      | 2.1              |
|                    | -5°F                        | -6°F    | 12360                  | 1.9      | 1.9              | 12199      | 1.9      | 1.9              | 11890      | 1.8      | 2.0              |
|                    | 0°F                         | -1°F    | 13080                  | 2.1      | 1.9              | 12910      | 2.0      | 1.9              | 12583      | 1.9      | 1.9              |
|                    | 5°F                         | 3°F     | 13800                  | 2.2      | 1.8              | 13621      | 2.1      | 1.9              | 13276      | 2.0      | 1.9              |
|                    | 7°F                         | 5°F     | 13929                  | 2.3      | 1.8              | 13748      | 2.2      | 1.8              | 13399      | 2.1      | 1.9              |
|                    | 17°F                        | 15°F    | 14700                  | 2.6      | 1.6              | 14509      | 2.5      | 1.7              | 14141      | 2.4      | 1.7              |
|                    | 28°F                        | 26°F    | 15938                  | 3.1      | 1.5              | 15730      | 2.9      | 1.6              | 15332      | 2.8      | 1.6              |
|                    | 38°F                        | 35°F    | 16969                  | 3.5      | 1.4              | 16748      | 3.3      | 1.5              | 16324      | 3.2      | 1.5              |
|                    | 47°F                        | 43°F    | 18000                  | 3.9      | 1.4              | 17766      | 3.8      | 1.4              | 17316      | 3.6      | 1.4              |
|                    | 57°F                        | 52°F    | 18540                  | 4.2      | 1.3              | 18299      | 4.1      | 1.3              | 17835      | 3.9      | 1.3              |
|                    | 68°F                        | 63°F    | 19260                  | 4.4      | 1.3              | 19010      | 4.3      | 1.3              | 18528      | 4.1      | 1.3              |
|                    | 77°F                        | 71°F    | 19800                  | 4.7      | 1.2              | 19543      | 4.5      | 1.3              | 19048      | 4.3      | 1.3              |



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## EXTENDED RATINGS

MUL19HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 90%                | -22°F                       | -22.5°F | 9690                   | 1.5      | 1.9              | 9564       | 1.4      | 1.9              | 9322       | 1.4      | 2.0              |
|                    | -5°F                        | -6°F    | 11742                  | 1.9      | 1.8              | 11589      | 1.8      | 1.8              | 11296      | 1.8      | 1.9              |
|                    | 0°F                         | -1°F    | 12426                  | 2.1      | 1.8              | 12264      | 2.0      | 1.8              | 11954      | 1.9      | 1.9              |
|                    | 5°F                         | 3°F     | 13110                  | 2.2      | 1.7              | 12940      | 2.1      | 1.8              | 12612      | 2.0      | 1.8              |
|                    | 7°F                         | 5°F     | 13232                  | 2.3      | 1.7              | 13060      | 2.2      | 1.8              | 12729      | 2.1      | 1.8              |
|                    | 17°F                        | 15°F    | 13965                  | 2.6      | 1.6              | 13783      | 2.5      | 1.6              | 13434      | 2.4      | 1.6              |
|                    | 28°F                        | 26°F    | 15141                  | 3.0      | 1.5              | 14944      | 2.9      | 1.5              | 14565      | 2.8      | 1.5              |
|                    | 38°F                        | 35°F    | 16120                  | 3.4      | 1.4              | 15911      | 3.3      | 1.4              | 15508      | 3.1      | 1.4              |
|                    | 47°F                        | 43°F    | 17100                  | 3.9      | 1.3              | 16878      | 3.7      | 1.3              | 16450      | 3.6      | 1.4              |
|                    | 57°F                        | 52°F    | 17613                  | 4.2      | 1.2              | 17384      | 4.0      | 1.3              | 16944      | 3.8      | 1.3              |
|                    | 68°F                        | 63°F    | 18297                  | 4.4      | 1.2              | 18059      | 4.3      | 1.2              | 17602      | 4.1      | 1.3              |
|                    | 77°F                        | 71°F    | 18810                  | 4.6      | 1.2              | 18565      | 4.5      | 1.2              | 18095      | 4.3      | 1.2              |
| 80%                | -22°F                       | -22.5°F | 8670                   | 1.5      | 1.7              | 8557       | 1.4      | 1.7              | 8341       | 1.4      | 1.8              |
|                    | -5°F                        | -6°F    | 10506                  | 1.9      | 1.6              | 10369      | 1.8      | 1.7              | 10107      | 1.8      | 1.7              |
|                    | 0°F                         | -1°F    | 11118                  | 2.1      | 1.6              | 10973      | 2.0      | 1.6              | 10696      | 1.9      | 1.7              |
|                    | 5°F                         | 3°F     | 11730                  | 2.2      | 1.6              | 11578      | 2.1      | 1.6              | 11284      | 2.0      | 1.6              |
|                    | 7°F                         | 5°F     | 11839                  | 2.3      | 1.5              | 11685      | 2.2      | 1.6              | 11389      | 2.1      | 1.6              |
|                    | 17°F                        | 15°F    | 12495                  | 2.6      | 1.4              | 12333      | 2.5      | 1.4              | 12020      | 2.4      | 1.5              |
|                    | 28°F                        | 26°F    | 13547                  | 3.0      | 1.3              | 13371      | 2.9      | 1.3              | 13032      | 2.8      | 1.4              |
|                    | 38°F                        | 35°F    | 14423                  | 3.4      | 1.2              | 14236      | 3.3      | 1.3              | 13875      | 3.1      | 1.3              |
|                    | 47°F                        | 43°F    | 15300                  | 3.9      | 1.2              | 15101      | 3.7      | 1.2              | 14719      | 3.6      | 1.2              |
|                    | 57°F                        | 52°F    | 15759                  | 4.2      | 1.1              | 15554      | 4.0      | 1.1              | 15160      | 3.8      | 1.2              |
|                    | 68°F                        | 63°F    | 16371                  | 4.4      | 1.1              | 16158      | 4.3      | 1.1              | 15749      | 4.1      | 1.1              |
|                    | 77°F                        | 71°F    | 16830                  | 4.6      | 1.1              | 16611      | 4.5      | 1.1              | 16190      | 4.3      | 1.1              |


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# EXTENDED RATINGS

MUL19HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 70%                | -22°F                       | -22.5°F | 7650                   | 1.5      | 1.5              | 7551       | 1.4      | 2                | 7359       | 1.4      | 1.6              |
|                    | -5°F                        | -6°F    | 9270                   | 1.9      | 1.4              | 9149       | 1.8      | 1                | 8918       | 1.8      | 1.5              |
|                    | 0°F                         | -1°F    | 9810                   | 2.0      | 1.4              | 9682       | 2.0      | 1                | 9437       | 1.9      | 1.5              |
|                    | 5°F                         | 3°F     | 10350                  | 2.2      | 1.4              | 10215      | 2.1      | 1                | 9957       | 2.0      | 1.4              |
|                    | 7°F                         | 5°F     | 10446                  | 2.3      | 1.4              | 10311      | 2.2      | 1                | 10049      | 2.1      | 1.4              |
|                    | 17°F                        | 15°F    | 11025                  | 2.6      | 1.2              | 10882      | 2.5      | 1                | 10606      | 2.4      | 1.3              |
|                    | 28°F                        | 26°F    | 11953                  | 3.0      | 1.2              | 11798      | 2.9      | 1                | 11499      | 2.8      | 1.2              |
|                    | 38°F                        | 35°F    | 12727                  | 3.4      | 1.1              | 12561      | 3.3      | 1                | 12243      | 3.1      | 1.1              |
|                    | 47°F                        | 43°F    | 13500                  | 3.9      | 1.0              | 13325      | 3.7      | 1                | 12987      | 3.6      | 1.1              |
|                    | 57°F                        | 52°F    | 13905                  | 4.2      | 1.0              | 13724      | 4.0      | 1                | 13377      | 3.8      | 1.0              |
|                    | 68°F                        | 63°F    | 14445                  | 4.4      | 1.0              | 14257      | 4.2      | 1                | 13896      | 4.0      | 1.0              |
|                    | 77°F                        | 71°F    | 14850                  | 4.6      | 0.9              | 14657      | 4.5      | 1                | 14286      | 4.3      | 1.0              |
| 60%                | -22°F                       | -22.5°F | 6630                   | 1.5      | 1.3              | 6544       | 1.4      | 1                | 6378       | 1.4      | 1.4              |
|                    | -5°F                        | -6°F    | 8034                   | 1.9      | 1.2              | 7930       | 1.8      | 1                | 7729       | 1.7      | 1.3              |
|                    | 0°F                         | -1°F    | 8502                   | 2.0      | 1.2              | 8391       | 2.0      | 1                | 8179       | 1.9      | 1.3              |
|                    | 5°F                         | 3°F     | 8970                   | 2.2      | 1.2              | 8853       | 2.1      | 1                | 8629       | 2.0      | 1.3              |
|                    | 7°F                         | 5°F     | 9054                   | 2.2      | 1.2              | 8936       | 2.2      | 1                | 8710       | 2.1      | 1.2              |
|                    | 17°F                        | 15°F    | 9555                   | 2.6      | 1.1              | 9431       | 2.5      | 1                | 9192       | 2.4      | 1.1              |
|                    | 28°F                        | 26°F    | 10359                  | 3.0      | 1.0              | 10225      | 2.9      | 1                | 9966       | 2.8      | 1.1              |
|                    | 38°F                        | 35°F    | 11030                  | 3.4      | 1.0              | 10886      | 3.3      | 1                | 10611      | 3.1      | 1.0              |
|                    | 47°F                        | 43°F    | 11700                  | 3.9      | 0.9              | 11548      | 3.7      | 1                | 11255      | 3.5      | 0.9              |
|                    | 57°F                        | 52°F    | 12051                  | 4.2      | 0.9              | 11894      | 4.0      | 1                | 11593      | 3.8      | 0.9              |
|                    | 68°F                        | 63°F    | 12519                  | 4.4      | 0.8              | 12356      | 4.2      | 1                | 12043      | 4.0      | 0.9              |
|                    | 77°F                        | 71°F    | 12870                  | 4.6      | 0.8              | 12703      | 4.5      | 1                | 12381      | 4.2      | 0.9              |



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# EXTENDED RATINGS

MUL19HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 50%                | -22°F                       | -22.5°F | 5610                   | 1.5      | 1.1              | 5537       | 1.4      | 1.1              | 5397       | 1.4      | 1.2              |
|                    | -5°F                        | -6°F    | 6798                   | 1.9      | 1.1              | 6710       | 1.8      | 1.1              | 6540       | 1.7      | 1.1              |
|                    | 0°F                         | -1°F    | 7194                   | 2.0      | 1.0              | 7100       | 2.0      | 1.1              | 6921       | 1.9      | 1.1              |
|                    | 5°F                         | 3°F     | 7590                   | 2.2      | 1.0              | 7491       | 2.1      | 1.0              | 7302       | 2.0      | 1.1              |
|                    | 7°F                         | 5°F     | 7661                   | 2.2      | 1.0              | 7561       | 2.2      | 1.0              | 7370       | 2.1      | 1.1              |
|                    | 17°F                        | 15°F    | 8085                   | 2.6      | 0.9              | 7980       | 2.5      | 0.9              | 7778       | 2.4      | 1.0              |
|                    | 28°F                        | 26°F    | 8766                   | 3.0      | 0.9              | 8652       | 2.9      | 0.9              | 8433       | 2.8      | 0.9              |
|                    | 38°F                        | 35°F    | 9333                   | 3.4      | 0.8              | 9211       | 3.3      | 0.8              | 8978       | 3.1      | 0.8              |
|                    | 47°F                        | 43°F    | 9900                   | 3.8      | 0.8              | 9771       | 3.7      | 0.8              | 9524       | 3.5      | 0.8              |
|                    | 57°F                        | 52°F    | 10197                  | 4.1      | 0.7              | 10064      | 4.0      | 0.7              | 9810       | 3.8      | 0.8              |
|                    | 68°F                        | 63°F    | 10593                  | 4.4      | 0.7              | 10455      | 4.2      | 0.7              | 10190      | 4.0      | 0.7              |
|                    | 77°F                        | 71°F    | 10890                  | 4.6      | 0.7              | 10748      | 4.4      | 0.7              | 10476      | 4.2      | 0.7              |



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## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (kBtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 135%               | -22°F                            | 12100                  | 9377       | 78% | 15.1 | 0.8              | 12913                 | 10046      | 78% | 15.6 | 0.8              | 14525                 | 11388      | 78% | 16.5 | 0.9              | 16486                 | 12942      | 79% | 17.8 | 0.9              |
|                    | -4°F                             | 12872                  | 9976       | 78% | 15.1 | 0.9              | 13737                 | 10688      | 78% | 15.6 | 0.9              | 15453                 | 12115      | 78% | 16.5 | 0.9              | 17539                 | 13768      | 78% | 17.8 | 1.0              |
|                    | 5°F                              | 13694                  | 10613      | 78% | 15.1 | 0.9              | 14614                 | 11370      | 78% | 15.6 | 0.9              | 16439                 | 12888      | 78% | 16.5 | 1.0              | 18658                 | 14647      | 78% | 17.8 | 1.0              |
|                    | 14°F                             | 14568                  | 11290      | 78% | 15.1 | 1.0              | 15547                 | 12096      | 78% | 15.6 | 1.0              | 17488                 | 13711      | 78% | 16.5 | 1.1              | 19849                 | 15582      | 78% | 17.8 | 1.1              |
|                    | 23°F                             | 15498                  | 12011      | 77% | 15.1 | 1.0              | 16539                 | 12868      | 78% | 15.6 | 1.1              | 18604                 | 14586      | 78% | 16.5 | 1.1              | 21116                 | 16576      | 79% | 17.8 | 1.2              |
|                    | 32°F                             | 16487                  | 12777      | 78% | 15.1 | 1.1              | 17595                 | 13689      | 78% | 15.6 | 1.1              | 19792                 | 15517      | 78% | 16.5 | 1.2              | 22464                 | 17634      | 79% | 17.8 | 1.3              |
|                    | 41°F                             | 17539                  | 13593      | 78% | 15.1 | 1.2              | 18718                 | 14563      | 78% | 15.6 | 1.2              | 21055                 | 16507      | 78% | 16.5 | 1.3              | 23898                 | 18760      | 79% | 17.8 | 1.3              |
|                    | 50°F                             | 18659                  | 14460      | 78% | 15.1 | 1.2              | 19913                 | 15492      | 78% | 15.6 | 1.3              | 22399                 | 17561      | 78% | 16.5 | 1.4              | 25423                 | 19957      | 79% | 17.8 | 1.4              |
|                    | 59°F                             | 19850                  | 15383      | 78% | 15.1 | 1.3              | 21184                 | 16481      | 78% | 15.6 | 1.4              | 23829                 | 18682      | 78% | 16.5 | 1.4              | 27046                 | 21231      | 79% | 17.8 | 1.5              |
|                    | 68°F                             | 21117                  | 16365      | 78% | 15.1 | 1.4              | 22536                 | 17533      | 78% | 15.6 | 1.4              | 25350                 | 19874      | 78% | 16.5 | 1.5              | 28772                 | 22586      | 79% | 17.8 | 1.6              |
|                    | 77°F                             | 20742                  | 16075      | 78% | 13.9 | 1.5              | 22136                 | 17222      | 78% | 14.4 | 1.5              | 24900                 | 19522      | 78% | 15.2 | 1.6              | 28262                 | 22185      | 79% | 16.4 | 1.7              |
|                    | 86°F                             | 20367                  | 15784      | 78% | 12.8 | 1.6              | 21736                 | 16911      | 78% | 13.3 | 1.6              | 24450                 | 19169      | 78% | 14.1 | 1.7              | 27751                 | 21784      | 79% | 15.2 | 1.8              |
|                    | 95°F                             | 19992                  | 15494      | 78% | 11.8 | 1.7              | 21336                 | 16599      | 78% | 12.2 | 1.7              | 24000                 | 18816      | 78% | 13.0 | 1.9              | 27240                 | 21383      | 79% | 14.0 | 1.9              |
|                    | 104°F                            | 19617                  | 15203      | 78% | 9.4  | 2.1              | 20936                 | 16288      | 78% | 9.7  | 2.2              | 23550                 | 18463      | 78% | 10.3 | 2.3              | 26729                 | 20982      | 79% | 11.1 | 2.4              |
|                    | 113°F                            | 19242                  | 14913      | 78% | 7.8  | 2.5              | 20536                 | 15977      | 78% | 8.0  | 2.6              | 23100                 | 18110      | 78% | 8.5  | 2.7              | 26219                 | 20582      | 79% | 9.2  | 2.9              |
| 120%               | 118°F                            | 19017                  | 14738      | 78% | 7.0  | 2.7              | 20296                 | 15790      | 78% | 7.2  | 2.8              | 22830                 | 17899      | 78% | 7.6  | 3.0              | 25912                 | 20341      | 79% | 8.2  | 3.2              |
|                    | -22°F                            | 12100                  | 9377       | 78% | 15.1 | 0.8              | 12913                 | 10046      | 78% | 15.6 | 0.8              | 14525                 | 11388      | 78% | 16.5 | 0.9              | 16486                 | 12942      | 79% | 17.8 | 0.9              |
|                    | -4°F                             | 12872                  | 9976       | 78% | 15.1 | 0.9              | 13737                 | 10688      | 78% | 15.6 | 0.9              | 15453                 | 12115      | 78% | 16.5 | 0.9              | 17539                 | 13768      | 78% | 17.8 | 1.0              |
|                    | 5°F                              | 13694                  | 10613      | 78% | 15.1 | 0.9              | 14614                 | 11370      | 78% | 15.6 | 0.9              | 16439                 | 12888      | 78% | 16.5 | 1.0              | 18658                 | 14647      | 78% | 17.8 | 1.0              |
|                    | 14°F                             | 14568                  | 11290      | 78% | 15.1 | 1.0              | 15547                 | 12096      | 78% | 15.6 | 1.0              | 17488                 | 13711      | 78% | 16.5 | 1.1              | 19849                 | 15582      | 78% | 17.8 | 1.1              |
|                    | 23°F                             | 15498                  | 12011      | 77% | 15.1 | 1.0              | 16539                 | 12868      | 78% | 15.6 | 1.1              | 18604                 | 14586      | 78% | 16.5 | 1.1              | 21116                 | 16576      | 79% | 17.8 | 1.2              |
|                    | 32°F                             | 16487                  | 12777      | 78% | 15.1 | 1.1              | 17595                 | 13689      | 78% | 15.6 | 1.1              | 19792                 | 15517      | 78% | 16.5 | 1.2              | 22464                 | 17634      | 79% | 17.8 | 1.3              |
|                    | 41°F                             | 17539                  | 13593      | 78% | 15.1 | 1.2              | 18718                 | 14563      | 78% | 15.6 | 1.2              | 21055                 | 16507      | 78% | 16.5 | 1.3              | 23898                 | 18760      | 79% | 17.8 | 1.3              |
|                    | 50°F                             | 18659                  | 14460      | 78% | 15.1 | 1.2              | 19913                 | 15492      | 78% | 15.6 | 1.3              | 22399                 | 17561      | 78% | 16.5 | 1.4              | 25423                 | 19957      | 79% | 17.8 | 1.4              |
|                    | 59°F                             | 19850                  | 15383      | 78% | 15.1 | 1.3              | 21184                 | 16481      | 78% | 15.6 | 1.4              | 23829                 | 18682      | 78% | 16.5 | 1.4              | 27046                 | 21231      | 79% | 17.8 | 1.5              |
|                    | 68°F                             | 21117                  | 16365      | 78% | 15.1 | 1.4              | 22536                 | 17533      | 78% | 15.6 | 1.4              | 25350                 | 19874      | 78% | 16.5 | 1.5              | 28772                 | 22586      | 79% | 17.8 | 1.6              |
|                    | 77°F                             | 20742                  | 16075      | 78% | 13.9 | 1.5              | 22136                 | 17222      | 78% | 14.4 | 1.5              | 24900                 | 19522      | 78% | 15.2 | 1.6              | 28262                 | 22185      | 79% | 16.4 | 1.7              |
|                    | 86°F                             | 20367                  | 15784      | 78% | 12.8 | 1.6              | 21736                 | 16911      | 78% | 13.3 | 1.6              | 24450                 | 19169      | 78% | 14.1 | 1.7              | 27751                 | 21784      | 79% | 15.2 | 1.8              |
|                    | 95°F                             | 19992                  | 15494      | 78% | 11.8 | 1.7              | 21336                 | 16599      | 78% | 12.2 | 1.7              | 24000                 | 18816      | 78% | 13.0 | 1.9              | 27240                 | 21383      | 79% | 14.0 | 1.9              |
|                    | 104°F                            | 19617                  | 15203      | 78% | 9.4  | 2.1              | 20936                 | 16288      | 78% | 9.7  | 2.2              | 23550                 | 18463      | 78% | 10.3 | 2.3              | 26729                 | 20982      | 79% | 11.1 | 2.4              |
|                    | 113°F                            | 19242                  | 14913      | 78% | 7.8  | 2.5              | 20536                 | 15977      | 78% | 8.0  | 2.6              | 23100                 | 18110      | 78% | 8.5  | 2.7              | 26219                 | 20582      | 79% | 9.2  | 2.9              |
|                    | 118°F                            | 19017                  | 14738      | 78% | 7.0  | 2.7              | 20296                 | 15790      | 78% | 7.2  | 2.8              | 22830                 | 17899      | 78% | 7.6  | 3.0              | 25912                 | 20341      | 79% | 8.2  | 3.2              |



## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 110%               | -22°F                            | 12100                  | 9377       | 78% | 15.1 | 0.8              | 12913                 | 10046      | 78% | 15.6 | 0.8              | 14525                 | 11388      | 78% | 16.5 | 0.9              | 16486                 | 12942      | 79% | 17.8 | 0.9              |
|                    | -4°F                             | 12872                  | 9976       | 78% | 15.1 | 0.9              | 13737                 | 10688      | 78% | 15.6 | 0.9              | 15453                 | 12115      | 78% | 16.5 | 0.9              | 17539                 | 13768      | 78% | 17.8 | 1.0              |
|                    | 5°F                              | 13694                  | 10613      | 78% | 15.1 | 0.9              | 14614                 | 11370      | 78% | 15.6 | 0.9              | 16439                 | 12888      | 78% | 16.5 | 1.0              | 18658                 | 14647      | 78% | 17.8 | 1.0              |
|                    | 14°F                             | 14568                  | 11290      | 78% | 15.1 | 1.0              | 15547                 | 12096      | 78% | 15.6 | 1.0              | 17488                 | 13711      | 78% | 16.5 | 1.1              | 19849                 | 15582      | 78% | 17.8 | 1.1              |
|                    | 23°F                             | 15498                  | 12011      | 77% | 15.1 | 1.0              | 16539                 | 12868      | 78% | 15.6 | 1.1              | 18604                 | 14586      | 78% | 16.5 | 1.1              | 21116                 | 16576      | 79% | 17.8 | 1.2              |
|                    | 32°F                             | 16487                  | 12777      | 78% | 15.1 | 1.1              | 17595                 | 13689      | 78% | 15.6 | 1.1              | 19792                 | 15517      | 78% | 16.5 | 1.2              | 22464                 | 17634      | 79% | 17.8 | 1.3              |
|                    | 41°F                             | 17539                  | 13593      | 78% | 15.1 | 1.2              | 18718                 | 14563      | 78% | 15.6 | 1.2              | 21055                 | 16507      | 78% | 16.5 | 1.3              | 23898                 | 18760      | 79% | 17.8 | 1.3              |
|                    | 50°F                             | 18659                  | 14460      | 78% | 15.1 | 1.2              | 19913                 | 15492      | 78% | 15.6 | 1.3              | 22399                 | 17561      | 78% | 16.5 | 1.4              | 25423                 | 19957      | 79% | 17.8 | 1.4              |
|                    | 59°F                             | 19850                  | 15383      | 78% | 15.1 | 1.3              | 21184                 | 16481      | 78% | 15.6 | 1.4              | 23829                 | 18682      | 78% | 16.5 | 1.4              | 27046                 | 21231      | 79% | 17.8 | 1.5              |
|                    | 68°F                             | 21117                  | 16365      | 78% | 15.1 | 1.4              | 22536                 | 17533      | 78% | 15.6 | 1.4              | 25350                 | 19874      | 78% | 16.5 | 1.5              | 28772                 | 22586      | 79% | 17.8 | 1.6              |
|                    | 77°F                             | 20742                  | 16075      | 78% | 13.9 | 1.5              | 22136                 | 17222      | 78% | 14.4 | 1.5              | 24900                 | 19522      | 78% | 15.2 | 1.6              | 28262                 | 22185      | 79% | 16.4 | 1.7              |
|                    | 86°F                             | 20367                  | 15784      | 78% | 12.8 | 1.6              | 21736                 | 16911      | 78% | 13.3 | 1.6              | 24450                 | 19169      | 78% | 14.1 | 1.7              | 27751                 | 21784      | 79% | 15.2 | 1.8              |
|                    | 95°F                             | 19992                  | 15494      | 78% | 11.8 | 1.7              | 21336                 | 16599      | 78% | 12.2 | 1.7              | 24000                 | 18816      | 78% | 13.0 | 1.9              | 27240                 | 21383      | 79% | 14.0 | 1.9              |
|                    | 104°F                            | 19617                  | 15203      | 78% | 9.4  | 2.1              | 20936                 | 16288      | 78% | 9.7  | 2.2              | 23550                 | 18463      | 78% | 10.3 | 2.3              | 26729                 | 20982      | 79% | 11.1 | 2.4              |
| 100%               | 113°F                            | 19242                  | 14913      | 78% | 7.8  | 2.5              | 20536                 | 15977      | 78% | 8.0  | 2.6              | 23100                 | 18110      | 78% | 8.5  | 2.7              | 26219                 | 20582      | 79% | 9.2  | 2.9              |
|                    | 118°F                            | 19017                  | 14738      | 78% | 7.0  | 2.7              | 20296                 | 15790      | 78% | 7.2  | 2.8              | 22830                 | 17899      | 78% | 7.6  | 3.0              | 25912                 | 20341      | 79% | 8.2  | 3.2              |
|                    | -22°F                            | 12100                  | 9377       | 78% | 15.1 | 1                | 12913                 | 10046      | 78% | 15.6 | 1                | 14525                 | 11388      | 78% | 16.5 | 1                | 16486                 | 12942      | 79% | 17.8 | 1                |
|                    | -4°F                             | 12872                  | 9976       | 78% | 15.1 | 1                | 13737                 | 10688      | 78% | 15.6 | 1                | 15453                 | 12115      | 78% | 16.5 | 1                | 17539                 | 13768      | 78% | 17.8 | 1                |
|                    | 5°F                              | 13694                  | 10613      | 78% | 15.1 | 1                | 14614                 | 11370      | 78% | 15.6 | 1                | 16439                 | 12888      | 78% | 16.5 | 1                | 18658                 | 14647      | 78% | 17.8 | 1                |
|                    | 14°F                             | 14568                  | 11290      | 78% | 15.1 | 1                | 15547                 | 12096      | 78% | 15.6 | 1                | 17488                 | 13711      | 78% | 16.5 | 1                | 19849                 | 15582      | 78% | 17.8 | 1                |
|                    | 23°F                             | 15498                  | 12011      | 77% | 15.1 | 1                | 16539                 | 12868      | 78% | 15.6 | 1                | 18604                 | 14586      | 78% | 16.5 | 1                | 21116                 | 16576      | 79% | 17.8 | 1                |
|                    | 32°F                             | 16487                  | 12777      | 78% | 15.1 | 1                | 17595                 | 13689      | 78% | 15.6 | 1                | 19792                 | 15517      | 78% | 16.5 | 1                | 22464                 | 17634      | 79% | 17.8 | 1                |
|                    | 41°F                             | 17539                  | 13593      | 78% | 15.1 | 1                | 18718                 | 14563      | 78% | 15.6 | 1                | 21055                 | 16507      | 78% | 16.5 | 1                | 23898                 | 18760      | 79% | 17.8 | 1                |
|                    | 50°F                             | 18659                  | 14460      | 78% | 15.1 | 1                | 19913                 | 15492      | 78% | 15.6 | 1                | 22399                 | 17561      | 78% | 16.5 | 1                | 25423                 | 19957      | 79% | 17.8 | 1                |
|                    | 59°F                             | 19850                  | 15383      | 78% | 15.1 | 1                | 21184                 | 16481      | 78% | 15.6 | 1                | 23829                 | 18682      | 78% | 16.5 | 1                | 27046                 | 21231      | 79% | 17.8 | 2                |
|                    | 68°F                             | 21117                  | 16365      | 78% | 15.1 | 1                | 22536                 | 17533      | 78% | 15.6 | 1                | 25350                 | 19874      | 78% | 16.5 | 2                | 28772                 | 22586      | 79% | 17.8 | 2                |
|                    | 77°F                             | 20742                  | 16075      | 78% | 13.9 | 1                | 22136                 | 17222      | 78% | 14.4 | 2                | 24900                 | 19522      | 78% | 15.2 | 2                | 28262                 | 22185      | 79% | 16.4 | 2                |
|                    | 86°F                             | 20367                  | 15784      | 78% | 12.8 | 2                | 21736                 | 16911      | 78% | 13.3 | 2                | 24450                 | 19169      | 78% | 14.1 | 2                | 27751                 | 21784      | 79% | 15.2 | 2                |
|                    | 95°F                             | 19992                  | 15494      | 78% | 11.8 | 2                | 21336                 | 16599      | 78% | 12.2 | 2                | 24000                 | 18816      | 78% | 13.0 | 2                | 27240                 | 21383      | 79% | 14.0 | 2                |
|                    | 104°F                            | 19617                  | 15203      | 78% | 9.4  | 2                | 20936                 | 16288      | 78% | 9.7  | 2                | 23550                 | 18463      | 78% | 10.3 | 2                | 26729                 | 20982      | 79% | 11.1 | 2                |
|                    | 113°F                            | 19242                  | 14913      | 78% | 7.8  | 2                | 20536                 | 15977      | 78% | 8.0  | 3                | 23100                 | 18110      | 78% | 8.5  | 3                | 26219                 | 20582      | 79% | 9.2  | 3                |
|                    | 118°F                            | 19017                  | 14738      | 78% | 7.0  | 3                | 20296                 | 15790      | 78% | 7.2  | 3                | 22830                 | 17899      | 78% | 7.6  | 3                | 25912                 | 20341      | 79% | 8.2  | 3                |



## EXTENDED RATINGS

## MUL24HPJ1320A

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 90%                | -22°F                            | 11374                  | 8815       | 78% | 14.9 | 0.8              | 12138                 | 9444       | 78% | 15.4 | 0.8              | 13654                 | 10705      | 78% | 16.3 | 0.8              | 15497                 | 12165      | 79% | 17.6 | 0.9              |
|                    | -4°F                             | 12100                  | 9377       | 78% | 14.9 | 0.8              | 12913                 | 10046      | 78% | 15.4 | 0.8              | 14525                 | 11388      | 78% | 16.3 | 0.9              | 16486                 | 12942      | 79% | 17.6 | 0.9              |
|                    | 5°F                              | 12872                  | 9976       | 78% | 14.9 | 0.9              | 13737                 | 10688      | 78% | 15.4 | 0.9              | 15453                 | 12115      | 78% | 16.3 | 0.9              | 17539                 | 13768      | 79% | 17.6 | 1.0              |
|                    | 14°F                             | 13694                  | 10613      | 78% | 14.9 | 0.9              | 14614                 | 11370      | 78% | 15.4 | 1.0              | 16439                 | 12888      | 78% | 16.3 | 1.0              | 18658                 | 14647      | 79% | 17.6 | 1.1              |
|                    | 23°F                             | 14568                  | 11290      | 78% | 14.9 | 1.0              | 15547                 | 12096      | 78% | 15.4 | 1.0              | 17488                 | 13711      | 78% | 16.3 | 1.1              | 19849                 | 15582      | 79% | 17.6 | 1.1              |
|                    | 32°F                             | 15498                  | 12011      | 78% | 14.9 | 1.0              | 16539                 | 12868      | 78% | 15.4 | 1.1              | 18604                 | 14586      | 78% | 16.3 | 1.1              | 21116                 | 16576      | 79% | 17.6 | 1.2              |
|                    | 41°F                             | 16487                  | 12777      | 78% | 14.9 | 1.1              | 17595                 | 13689      | 78% | 15.4 | 1.1              | 19792                 | 15517      | 78% | 16.3 | 1.2              | 22464                 | 17634      | 79% | 17.6 | 1.3              |
|                    | 50°F                             | 17539                  | 13593      | 78% | 14.9 | 1.2              | 18718                 | 14563      | 78% | 15.4 | 1.2              | 21055                 | 16507      | 78% | 16.3 | 1.3              | 23898                 | 18760      | 79% | 17.6 | 1.4              |
|                    | 59°F                             | 18659                  | 14460      | 78% | 14.9 | 1.3              | 19913                 | 15492      | 78% | 15.4 | 1.3              | 22399                 | 17561      | 78% | 16.3 | 1.4              | 25423                 | 19957      | 79% | 17.6 | 1.4              |
|                    | 68°F                             | 19850                  | 15383      | 78% | 14.9 | 1.3              | 21184                 | 16481      | 78% | 15.4 | 1.4              | 23829                 | 18682      | 78% | 16.3 | 1.5              | 27046                 | 21231      | 79% | 17.6 | 1.5              |
|                    | 77°F                             | 19497                  | 15110      | 78% | 13.8 | 1.4              | 20808                 | 16189      | 78% | 14.2 | 1.5              | 23406                 | 18350      | 78% | 15.1 | 1.6              | 26566                 | 20854      | 79% | 16.3 | 1.6              |
|                    | 86°F                             | 19145                  | 14837      | 78% | 12.7 | 1.5              | 20432                 | 15896      | 78% | 13.1 | 1.6              | 22983                 | 18019      | 78% | 13.9 | 1.7              | 26086                 | 20477      | 79% | 15.0 | 1.7              |
|                    | 95°F                             | 18792                  | 14564      | 78% | 11.7 | 1.6              | 20056                 | 15603      | 78% | 12.1 | 1.7              | 22560                 | 17687      | 78% | 12.8 | 1.8              | 25606                 | 20100      | 79% | 13.9 | 1.8              |
|                    | 104°F                            | 18440                  | 14291      | 78% | 9.3  | 2.0              | 19680                 | 15311      | 78% | 9.6  | 2.0              | 22137                 | 17355      | 78% | 10.2 | 2.2              | 25125                 | 19724      | 79% | 11.0 | 2.3              |
|                    | 113°F                            | 18088                  | 14018      | 78% | 7.7  | 2.3              | 19304                 | 15018      | 78% | 8.0  | 2.4              | 21714                 | 17024      | 78% | 8.4  | 2.6              | 24645                 | 19347      | 79% | 9.1  | 2.7              |
|                    | 118°F                            | 17876                  | 13854      | 78% | 6.9  | 2.6              | 19078                 | 14843      | 78% | 7.1  | 2.7              | 21460                 | 16825      | 78% | 7.5  | 2.9              | 24357                 | 19121      | 79% | 8.1  | 3.0              |
| 80%                | -22°F                            | 9922                   | 7689       | 78% | 14.5 | 0.7              | 10589                 | 8238       | 78% | 15.0 | 0.7              | 11911                 | 9338       | 78% | 15.9 | 0.7              | 13519                 | 10612      | 79% | 17.2 | 0.8              |
|                    | -4°F                             | 10555                  | 8180       | 78% | 14.5 | 0.7              | 11265                 | 8764       | 78% | 15.0 | 0.8              | 12671                 | 9934       | 78% | 15.9 | 0.8              | 14382                 | 11290      | 79% | 17.2 | 0.8              |
|                    | 5°F                              | 11229                  | 8702       | 78% | 14.5 | 0.8              | 11984                 | 9323       | 78% | 15.0 | 0.8              | 13480                 | 10568      | 78% | 15.9 | 0.8              | 15300                 | 12010      | 79% | 17.2 | 0.9              |
|                    | 14°F                             | 11945                  | 9258       | 78% | 14.5 | 0.8              | 12749                 | 9918       | 78% | 15.0 | 0.9              | 14340                 | 11243      | 78% | 15.9 | 0.9              | 16276                 | 12777      | 79% | 17.2 | 0.9              |
|                    | 23°F                             | 12708                  | 9849       | 78% | 14.5 | 0.9              | 13562                 | 10551      | 78% | 15.0 | 0.9              | 15256                 | 11960      | 78% | 15.9 | 1.0              | 17315                 | 13592      | 79% | 17.2 | 1.0              |
|                    | 32°F                             | 13519                  | 10477      | 78% | 14.5 | 0.9              | 14428                 | 11225      | 78% | 15.0 | 1.0              | 16229                 | 12724      | 78% | 15.9 | 1.0              | 18420                 | 14460      | 79% | 17.2 | 1.1              |
|                    | 41°F                             | 14382                  | 11146      | 78% | 14.5 | 1.0              | 15349                 | 11941      | 78% | 15.0 | 1.0              | 17265                 | 13536      | 78% | 15.9 | 1.1              | 19596                 | 15383      | 79% | 17.2 | 1.1              |
|                    | 50°F                             | 15300                  | 11858      | 78% | 14.5 | 1.1              | 16329                 | 12704      | 78% | 15.0 | 1.1              | 18367                 | 14400      | 78% | 15.9 | 1.2              | 20847                 | 16365      | 79% | 17.2 | 1.2              |
|                    | 59°F                             | 16277                  | 12614      | 78% | 14.5 | 1.1              | 17371                 | 13515      | 78% | 15.0 | 1.2              | 19540                 | 15319      | 78% | 15.9 | 1.2              | 22178                 | 17409      | 79% | 17.2 | 1.3              |
|                    | 68°F                             | 17316                  | 13420      | 78% | 14.5 | 1.2              | 18480                 | 14377      | 78% | 15.0 | 1.2              | 20787                 | 16297      | 78% | 15.9 | 1.3              | 23593                 | 18521      | 79% | 17.2 | 1.4              |
|                    | 77°F                             | 17008                  | 13181      | 78% | 13.4 | 1.3              | 18152                 | 14122      | 78% | 13.9 | 1.3              | 20418                 | 16008      | 78% | 14.7 | 1.4              | 23174                 | 18192      | 79% | 15.9 | 1.5              |
|                    | 86°F                             | 16701                  | 12943      | 78% | 12.4 | 1.3              | 17824                 | 13867      | 78% | 12.8 | 1.4              | 20049                 | 15718      | 78% | 13.6 | 1.5              | 22756                 | 17863      | 79% | 14.6 | 1.6              |
|                    | 95°F                             | 16393                  | 12705      | 78% | 11.4 | 1.4              | 17496                 | 13612      | 78% | 11.8 | 1.5              | 19680                 | 15429      | 78% | 12.5 | 1.6              | 22337                 | 17534      | 79% | 13.5 | 1.7              |
|                    | 104°F                            | 16086                  | 12467      | 78% | 9.1  | 1.8              | 17167                 | 13356      | 78% | 9.4  | 1.8              | 19311                 | 15140      | 78% | 10.0 | 1.9              | 21918                 | 17206      | 79% | 10.8 | 2.0              |
|                    | 113°F                            | 15779                  | 12228      | 78% | 7.5  | 2.1              | 16839                 | 13101      | 78% | 7.8  | 2.2              | 18942                 | 14851      | 78% | 8.2  | 2.3              | 21499                 | 16877      | 79% | 8.9  | 2.4              |
|                    | 118°F                            | 15594                  | 12086      | 78% | 6.7  | 2.3              | 16643                 | 12948      | 78% | 6.9  | 2.4              | 18721                 | 14677      | 78% | 7.3  | 2.6              | 21248                 | 16680      | 79% | 7.9  | 2.7              |


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## EXTENDED RATINGS

## MUL24HPJ1320A

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 70%                | -22°F                            | 8712                   | 6752       | 78% | 14.5 | 0.6              | 9297                  | 7233       | 78% | 14.9 | 0.6              | 10458                 | 8199       | 78% | 15.8 | 0.7              | 11870                 | 9318       | 79% | 17.1 | 0.7              |
|                    | -4°F                             | 9268                   | 7183       | 78% | 14.5 | 0.6              | 9891                  | 7695       | 78% | 14.9 | 0.7              | 11126                 | 8723       | 78% | 15.8 | 0.7              | 12628                 | 9913       | 79% | 17.1 | 0.7              |
|                    | 5°F                              | 9859                   | 7641       | 78% | 14.5 | 0.7              | 10522                 | 8186       | 78% | 14.9 | 0.7              | 11836                 | 9279       | 78% | 15.8 | 0.7              | 13434                 | 10546      | 79% | 17.1 | 0.8              |
|                    | 14°F                             | 10489                  | 8129       | 78% | 14.5 | 0.7              | 11194                 | 8709       | 78% | 14.9 | 0.8              | 12592                 | 9872       | 78% | 15.8 | 0.8              | 14291                 | 11219      | 79% | 17.1 | 0.8              |
|                    | 23°F                             | 11158                  | 8648       | 78% | 14.5 | 0.8              | 11908                 | 9265       | 78% | 14.9 | 0.8              | 13395                 | 10502      | 78% | 15.8 | 0.8              | 15204                 | 11935      | 79% | 17.1 | 0.9              |
|                    | 32°F                             | 11870                  | 9200       | 78% | 14.5 | 0.8              | 12668                 | 9856       | 78% | 14.9 | 0.8              | 14250                 | 11172      | 78% | 15.8 | 0.9              | 16174                 | 12697      | 79% | 17.1 | 0.9              |
|                    | 41°F                             | 12628                  | 9787       | 78% | 14.5 | 0.9              | 13477                 | 10485      | 78% | 14.9 | 0.9              | 15160                 | 11885      | 78% | 15.8 | 1.0              | 17206                 | 13507      | 79% | 17.1 | 1.0              |
|                    | 50°F                             | 13434                  | 10411      | 78% | 14.5 | 0.9              | 14337                 | 11154      | 78% | 14.9 | 1.0              | 16127                 | 12644      | 78% | 15.8 | 1.0              | 18305                 | 14369      | 79% | 17.1 | 1.1              |
|                    | 59°F                             | 14292                  | 11076      | 78% | 14.5 | 1.0              | 15252                 | 11866      | 78% | 14.9 | 1.0              | 17157                 | 13451      | 78% | 15.8 | 1.1              | 19473                 | 15286      | 79% | 17.1 | 1.1              |
|                    | 68°F                             | 15204                  | 11783      | 78% | 14.5 | 1.1              | 16226                 | 12624      | 78% | 14.9 | 1.1              | 18252                 | 14310      | 78% | 15.8 | 1.2              | 20716                 | 16262      | 79% | 17.1 | 1.2              |
|                    | 77°F                             | 14934                  | 11574      | 78% | 13.4 | 1.1              | 15938                 | 12400      | 78% | 13.8 | 1.2              | 17928                 | 14056      | 78% | 14.6 | 1.2              | 20348                 | 15973      | 79% | 15.8 | 1.3              |
|                    | 86°F                             | 14664                  | 11365      | 78% | 12.3 | 1.2              | 15650                 | 12176      | 78% | 12.7 | 1.2              | 17604                 | 13802      | 78% | 13.5 | 1.3              | 19981                 | 15685      | 79% | 14.6 | 1.4              |
|                    | 95°F                             | 14394                  | 11156      | 78% | 11.4 | 1.3              | 15362                 | 11952      | 78% | 11.7 | 1.3              | 17280                 | 13548      | 78% | 12.5 | 1.4              | 19613                 | 15396      | 79% | 13.4 | 1.5              |
|                    | 104°F                            | 14124                  | 10946      | 78% | 9.1  | 1.6              | 15074                 | 11727      | 78% | 9.4  | 1.6              | 16956                 | 13294      | 78% | 9.9  | 1.7              | 19245                 | 15107      | 79% | 10.7 | 1.8              |
|                    | 113°F                            | 13854                  | 10737      | 78% | 7.5  | 1.9              | 14786                 | 11503      | 78% | 7.7  | 1.9              | 16632                 | 13039      | 78% | 8.2  | 2.0              | 18877                 | 14819      | 79% | 8.8  | 2.1              |
|                    | 118°F                            | 13693                  | 10612      | 78% | 6.7  | 2.1              | 14613                 | 11369      | 78% | 6.9  | 2.1              | 16438                 | 12887      | 78% | 7.3  | 2.3              | 18657                 | 14645      | 79% | 7.9  | 2.4              |
| 60%                | -22°F                            | 7502                   | 5814       | 78% | 14.4 | 0.5              | 8006                  | 6229       | 78% | 14.8 | 0.5              | 9006                  | 7061       | 78% | 15.7 | 0.6              | 10222                 | 8024       | 79% | 17.0 | 0.6              |
|                    | -4°F                             | 7981                   | 6185       | 78% | 14.4 | 0.6              | 8517                  | 6626       | 78% | 14.8 | 0.6              | 9581                  | 7511       | 78% | 15.7 | 0.6              | 10874                 | 8536       | 79% | 17.0 | 0.6              |
|                    | 5°F                              | 8490                   | 6580       | 78% | 14.4 | 0.6              | 9061                  | 7049       | 78% | 14.8 | 0.6              | 10192                 | 7991       | 78% | 15.7 | 0.6              | 11568                 | 9081       | 79% | 17.0 | 0.7              |
|                    | 14°F                             | 9032                   | 7000       | 78% | 14.4 | 0.6              | 9639                  | 7499       | 78% | 14.8 | 0.7              | 10843                 | 8501       | 78% | 15.7 | 0.7              | 12306                 | 9661       | 79% | 17.0 | 0.7              |
|                    | 23°F                             | 9608                   | 7447       | 78% | 14.4 | 0.7              | 10254                 | 7978       | 78% | 14.8 | 0.7              | 11535                 | 9043       | 78% | 15.7 | 0.7              | 13092                 | 10277      | 79% | 17.0 | 0.8              |
|                    | 32°F                             | 10222                  | 7922       | 78% | 14.4 | 0.7              | 10909                 | 8487       | 78% | 14.8 | 0.7              | 12271                 | 9620       | 78% | 15.7 | 0.8              | 13928                 | 10933      | 79% | 17.0 | 0.8              |
|                    | 41°F                             | 10874                  | 8428       | 78% | 14.4 | 0.8              | 11605                 | 9029       | 78% | 14.8 | 0.8              | 13054                 | 10235      | 78% | 15.7 | 0.8              | 14817                 | 11631      | 79% | 17.0 | 0.9              |
|                    | 50°F                             | 11568                  | 8965       | 78% | 14.4 | 0.8              | 12346                 | 9605       | 78% | 14.8 | 0.8              | 13888                 | 10888      | 78% | 15.7 | 0.9              | 15762                 | 12373      | 79% | 17.0 | 0.9              |
|                    | 59°F                             | 12307                  | 9538       | 78% | 14.4 | 0.9              | 13134                 | 10218      | 78% | 14.8 | 0.9              | 14774                 | 11583      | 78% | 15.7 | 0.9              | 16768                 | 13163      | 79% | 17.0 | 1.0              |
|                    | 68°F                             | 13092                  | 10147      | 78% | 14.4 | 0.9              | 13972                 | 10871      | 78% | 14.8 | 0.9              | 15717                 | 12322      | 78% | 15.7 | 1.0              | 17839                 | 14003      | 79% | 17.0 | 1.1              |
|                    | 77°F                             | 12860                  | 9966       | 78% | 13.3 | 1.0              | 13724                 | 10678      | 78% | 13.7 | 1.0              | 15438                 | 12103      | 78% | 14.5 | 1.1              | 17522                 | 13755      | 79% | 15.7 | 1.1              |
|                    | 86°F                             | 12627                  | 9786       | 78% | 12.3 | 1.0              | 13476                 | 10485      | 78% | 12.6 | 1.1              | 15159                 | 11885      | 78% | 13.4 | 1.1              | 17205                 | 13506      | 79% | 14.5 | 1.2              |
|                    | 95°F                             | 12395                  | 9606       | 78% | 11.3 | 1.1              | 13228                 | 10292      | 78% | 11.7 | 1.1              | 14880                 | 11666      | 78% | 12.4 | 1.2              | 16889                 | 13258      | 79% | 13.4 | 1.3              |
|                    | 104°F                            | 12163                  | 9426       | 78% | 9.0  | 1.4              | 12980                 | 10099      | 78% | 9.3  | 1.4              | 14601                 | 11447      | 78% | 9.9  | 1.5              | 16572                 | 13009      | 79% | 10.6 | 1.6              |
|                    | 113°F                            | 11930                  | 9246       | 78% | 7.4  | 1.6              | 12732                 | 9906       | 78% | 7.7  | 1.7              | 14322                 | 11228      | 78% | 8.1  | 1.8              | 16255                 | 12761      | 79% | 8.8  | 1.9              |
|                    | 118°F                            | 11791                  | 9138       | 78% | 6.6  | 1.8              | 12583                 | 9790       | 78% | 6.8  | 1.8              | 14155                 | 11097      | 78% | 7.3  | 2.0              | 16065                 | 12611      | 79% | 7.8  | 2.1              |


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## EXTENDED RATINGS

MUL24HPJ132OA

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (kBtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 50%                | -22°F                            | 6292                   | 4876       | 78% | 14.3 | 0.4              | 6715                  | 5224       | 78% | 14.7 | 0.5              | 7553                  | 5922       | 78% | 15.6 | 0.5              | 8573                  | 6730       | 79% | 16.8 | 0.5              |
|                    | -4°F                             | 6693                   | 5187       | 78% | 14.3 | 0.5              | 7143                  | 5558       | 78% | 14.7 | 0.5              | 8035                  | 6300       | 78% | 15.6 | 0.5              | 9120                  | 7159       | 79% | 16.8 | 0.5              |
|                    | 5°F                              | 7121                   | 5519       | 78% | 14.3 | 0.5              | 7599                  | 5912       | 78% | 14.7 | 0.5              | 8548                  | 6702       | 78% | 15.6 | 0.5              | 9702                  | 7616       | 79% | 16.8 | 0.6              |
|                    | 14°F                             | 7575                   | 5871       | 78% | 14.3 | 0.5              | 8084                  | 6290       | 78% | 14.7 | 0.6              | 9094                  | 7130       | 78% | 15.6 | 0.6              | 10322                 | 8102       | 79% | 16.8 | 0.6              |
|                    | 23°F                             | 8059                   | 6246       | 78% | 14.3 | 0.6              | 8600                  | 6691       | 78% | 14.7 | 0.6              | 9674                  | 7585       | 78% | 15.6 | 0.6              | 10980                 | 8620       | 79% | 16.8 | 0.7              |
|                    | 32°F                             | 8573                   | 6644       | 78% | 14.3 | 0.6              | 9149                  | 7118       | 78% | 14.7 | 0.6              | 10292                 | 8069       | 78% | 15.6 | 0.7              | 11681                 | 9170       | 79% | 16.8 | 0.7              |
|                    | 41°F                             | 9120                   | 7068       | 78% | 14.3 | 0.6              | 9733                  | 7573       | 78% | 14.7 | 0.7              | 10949                 | 8584       | 78% | 15.6 | 0.7              | 12427                 | 9755       | 79% | 16.8 | 0.7              |
|                    | 50°F                             | 9702                   | 7519       | 78% | 14.3 | 0.7              | 10355                 | 8056       | 78% | 14.7 | 0.7              | 11648                 | 9132       | 78% | 15.6 | 0.7              | 13220                 | 10378      | 79% | 16.8 | 0.8              |
|                    | 59°F                             | 10322                  | 7999       | 78% | 14.3 | 0.7              | 11016                 | 8570       | 78% | 14.7 | 0.7              | 12391                 | 9715       | 78% | 15.6 | 0.8              | 14064                 | 11040      | 79% | 16.8 | 0.8              |
|                    | 68°F                             | 10981                  | 8510       | 78% | 14.3 | 0.8              | 11719                 | 9117       | 78% | 14.7 | 0.8              | 13182                 | 10335      | 78% | 15.6 | 0.8              | 14962                 | 11745      | 79% | 16.8 | 0.9              |
|                    | 77°F                             | 10786                  | 8359       | 78% | 13.2 | 0.8              | 11511                 | 8955       | 78% | 13.6 | 0.8              | 12948                 | 10151      | 78% | 14.4 | 0.9              | 14696                 | 11536      | 79% | 15.5 | 0.9              |
|                    | 86°F                             | 10591                  | 8208       | 78% | 12.1 | 0.9              | 11303                 | 8794       | 78% | 12.5 | 0.9              | 12714                 | 9968       | 78% | 13.3 | 1.0              | 14430                 | 11328      | 79% | 14.3 | 1.0              |
|                    | 95°F                             | 10396                  | 8057       | 78% | 11.2 | 0.9              | 11095                 | 8632       | 78% | 11.6 | 1.0              | 12480                 | 9784       | 78% | 12.3 | 1.0              | 14165                 | 11119      | 79% | 13.2 | 1.1              |
|                    | 104°F                            | 10201                  | 7906       | 78% | 8.9  | 1.1              | 10887                 | 8470       | 78% | 9.2  | 1.2              | 12246                 | 9601       | 78% | 9.8  | 1.3              | 13899                 | 10911      | 79% | 10.5 | 1.3              |
|                    | 113°F                            | 10006                  | 7755       | 78% | 7.4  | 1.4              | 10679                 | 8308       | 78% | 7.6  | 1.4              | 12012                 | 9417       | 78% | 8.1  | 1.5              | 13634                 | 10702      | 79% | 8.7  | 1.6              |
|                    | 118°F                            | 9889                   | 7664       | 78% | 6.6  | 1.5              | 10554                 | 8211       | 78% | 6.8  | 1.6              | 11872                 | 9307       | 78% | 7.2  | 1.7              | 13474                 | 10577      | 79% | 7.8  | 1.7              |


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# EXTENDED RATINGS

MUL24HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 135%               | -22°F                       | -22.5°F | 17400                  | 1.9      | 2.8              | 17174      | 1.8      | 3                | 16739      | 1.7      | 2.9              |
|                    | -5°F                        | -6°F    | 19920                  | 2.0      | 2.9              | 19661      | 1.9      | 3                | 19163      | 1.8      | 3.0              |
|                    | 0°F                         | -1°F    | 20760                  | 2.1      | 3.0              | 20490      | 2.0      | 3                | 19971      | 1.9      | 3.1              |
|                    | 5°F                         | 3°F     | 21600                  | 2.1      | 3.0              | 21319      | 2.0      | 3                | 20779      | 1.9      | 3.1              |
|                    | 7°F                         | 5°F     | 21886                  | 2.1      | 3.0              | 21601      | 2.1      | 3                | 21054      | 2.0      | 3.1              |
|                    | 17°F                        | 15°F    | 23600                  | 2.4      | 2.9              | 23293      | 2.3      | 3                | 22703      | 2.2      | 3.1              |
|                    | 28°F                        | 26°F    | 23750                  | 2.8      | 2.5              | 23441      | 2.7      | 3                | 22848      | 2.6      | 2.6              |
|                    | 38°F                        | 35°F    | 23875                  | 3.2      | 2.2              | 23565      | 3.1      | 2                | 22968      | 3.0      | 2.3              |
|                    | 47°F                        | 43°F    | 24000                  | 3.9      | 1.8              | 23688      | 3.8      | 2                | 23088      | 3.6      | 1.9              |
|                    | 57°F                        | 52°F    | 24720                  | 4.2      | 1.7              | 24399      | 4.1      | 2                | 23781      | 3.9      | 1.8              |
|                    | 68°F                        | 63°F    | 25680                  | 4.4      | 1.7              | 25346      | 4.3      | 2                | 24704      | 4.1      | 1.8              |
| 120%               | 77°F                        | 71°F    | 26400                  | 4.7      | 1.7              | 26057      | 4.5      | 2                | 25397      | 4.3      | 1.7              |
|                    | -22°F                       | -22.5°F | 17400                  | 1.9      | 2.8              | 17174      | 1.8      | 3                | 16739      | 1.7      | 2.9              |
|                    | -5°F                        | -6°F    | 19920                  | 2.0      | 2.9              | 19661      | 1.9      | 3                | 19163      | 1.8      | 3.0              |
|                    | 0°F                         | -1°F    | 20760                  | 2.1      | 3.0              | 20490      | 2.0      | 3                | 19971      | 1.9      | 3.1              |
|                    | 5°F                         | 3°F     | 21600                  | 2.1      | 3.0              | 21319      | 2.0      | 3                | 20779      | 1.9      | 3.1              |
|                    | 7°F                         | 5°F     | 21886                  | 2.1      | 3.0              | 21601      | 2.1      | 3                | 21054      | 2.0      | 3.1              |
|                    | 17°F                        | 15°F    | 23600                  | 2.4      | 2.9              | 23293      | 2.3      | 3                | 22703      | 2.2      | 3.1              |
|                    | 28°F                        | 26°F    | 23750                  | 2.8      | 2.5              | 23441      | 2.7      | 3                | 22848      | 2.6      | 2.6              |
|                    | 38°F                        | 35°F    | 23875                  | 3.2      | 2.2              | 23565      | 3.1      | 2                | 22968      | 3.0      | 2.3              |
|                    | 47°F                        | 43°F    | 24000                  | 3.9      | 1.8              | 23688      | 3.8      | 2                | 23088      | 3.6      | 1.9              |
|                    | 57°F                        | 52°F    | 24720                  | 4.2      | 1.7              | 24399      | 4.1      | 2                | 23781      | 3.9      | 1.8              |
|                    | 68°F                        | 63°F    | 25680                  | 4.4      | 1.7              | 25346      | 4.3      | 2                | 24704      | 4.1      | 1.8              |
|                    | 77°F                        | 71°F    | 26400                  | 4.7      | 1.7              | 26057      | 4.5      | 2                | 25397      | 4.3      | 1.7              |



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## EXTENDED RATINGS

MUL24HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 110%               | -22°F                       | -22.5°F | 17400                  | 1.9      | 2.8              | 17174      | 1.8      | 2.8              | 16739      | 1.7      | 2.9              |
|                    | -5°F                        | -6°F    | 19920                  | 2.0      | 2.9              | 19661      | 1.9      | 3.0              | 19163      | 1.8      | 3.0              |
|                    | 0°F                         | -1°F    | 20760                  | 2.1      | 3.0              | 20490      | 2.0      | 3.0              | 19971      | 1.9      | 3.1              |
|                    | 5°F                         | 3°F     | 21600                  | 2.1      | 3.0              | 21319      | 2.0      | 3.1              | 20779      | 1.9      | 3.1              |
|                    | 7°F                         | 5°F     | 21886                  | 2.1      | 3.0              | 21601      | 2.1      | 3.1              | 21054      | 2.0      | 3.1              |
|                    | 17°F                        | 15°F    | 23600                  | 2.4      | 2.9              | 23293      | 2.3      | 3.0              | 22703      | 2.2      | 3.1              |
|                    | 28°F                        | 26°F    | 23750                  | 2.8      | 2.5              | 23441      | 2.7      | 2.6              | 22848      | 2.6      | 2.6              |
|                    | 38°F                        | 35°F    | 23875                  | 3.2      | 2.2              | 23565      | 3.1      | 2.2              | 22968      | 3.0      | 2.3              |
|                    | 47°F                        | 43°F    | 24000                  | 3.9      | 1.8              | 23688      | 3.8      | 1.8              | 23088      | 3.6      | 1.9              |
|                    | 57°F                        | 52°F    | 24720                  | 4.2      | 1.7              | 24399      | 4.1      | 1.8              | 23781      | 3.9      | 1.8              |
|                    | 68°F                        | 63°F    | 25680                  | 4.4      | 1.7              | 25346      | 4.3      | 1.7              | 24704      | 4.1      | 1.8              |
|                    | 77°F                        | 71°F    | 26400                  | 4.7      | 1.7              | 26057      | 4.5      | 1.7              | 25397      | 4.3      | 1.7              |
| 100%               | -22°F                       | -22.5°F | 17400                  | 1.9      | 2.8              | 17174      | 1.8      | 2.8              | 16739      | 1.7      | 2.9              |
|                    | -5°F                        | -6°F    | 19920                  | 2.0      | 2.9              | 19661      | 1.9      | 3.0              | 19163      | 1.8      | 3.0              |
|                    | 0°F                         | -1°F    | 20760                  | 2.1      | 3.0              | 20490      | 2.0      | 3.0              | 19971      | 1.9      | 3.1              |
|                    | 5°F                         | 3°F     | 21600                  | 2.1      | 3.0              | 21319      | 2.0      | 3.1              | 20779      | 1.9      | 3.1              |
|                    | 7°F                         | 5°F     | 21886                  | 2.1      | 3.0              | 21601      | 2.1      | 3.1              | 21054      | 2.0      | 3.1              |
|                    | 17°F                        | 15°F    | 23600                  | 2.4      | 2.9              | 23293      | 2.3      | 3.0              | 22703      | 2.2      | 3.1              |
|                    | 28°F                        | 26°F    | 23750                  | 2.8      | 2.5              | 23441      | 2.7      | 2.6              | 22848      | 2.6      | 2.6              |
|                    | 38°F                        | 35°F    | 23875                  | 3.2      | 2.2              | 23565      | 3.1      | 2.2              | 22968      | 3.0      | 2.3              |
|                    | 47°F                        | 43°F    | 24000                  | 3.9      | 1.8              | 23688      | 3.8      | 1.8              | 23088      | 3.6      | 1.9              |
|                    | 57°F                        | 52°F    | 24720                  | 4.2      | 1.7              | 24399      | 4.1      | 1.8              | 23781      | 3.9      | 1.8              |
|                    | 68°F                        | 63°F    | 25680                  | 4.4      | 1.7              | 25346      | 4.3      | 1.7              | 24704      | 4.1      | 1.8              |
|                    | 77°F                        | 71°F    | 26400                  | 4.7      | 1.7              | 26057      | 4.5      | 1.7              | 25397      | 4.3      | 1.7              |


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# EXTENDED RATINGS

MUL24HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 90%                | -22°F                       | -22.5°F | 16530                  | 1.8      | 3                | 16315      | 1.8      | 3                | 15902      | 1.7      | 3                |
|                    | -5°F                        | -6°F    | 18924                  | 2.0      | 3                | 18678      | 1.9      | 3                | 18205      | 1.8      | 3                |
|                    | 0°F                         | -1°F    | 19722                  | 2.0      | 3                | 19466      | 2.0      | 3                | 18973      | 1.9      | 3                |
|                    | 5°F                         | 3°F     | 20520                  | 2.1      | 3                | 20253      | 2.0      | 3                | 19740      | 1.9      | 3                |
|                    | 7°F                         | 5°F     | 20791                  | 2.1      | 3                | 20521      | 2.0      | 3                | 20001      | 2.0      | 3                |
|                    | 17°F                        | 15°F    | 22420                  | 2.3      | 3                | 22129      | 2.3      | 3                | 21568      | 2.1      | 3                |
|                    | 28°F                        | 26°F    | 22563                  | 2.7      | 2                | 22269      | 2.7      | 2                | 21705      | 2.5      | 3                |
|                    | 38°F                        | 35°F    | 22681                  | 3.2      | 2                | 22386      | 3.1      | 2                | 21819      | 3.0      | 2                |
|                    | 47°F                        | 43°F    | 22800                  | 3.9      | 2                | 22504      | 3.7      | 2                | 21934      | 3.6      | 2                |
|                    | 57°F                        | 52°F    | 23484                  | 4.2      | 2                | 23179      | 4.0      | 2                | 22592      | 3.8      | 2                |
|                    | 68°F                        | 63°F    | 24396                  | 4.4      | 2                | 24079      | 4.3      | 2                | 23469      | 4.1      | 2                |
|                    | 77°F                        | 71°F    | 25080                  | 4.6      | 2                | 24754      | 4.5      | 2                | 24127      | 4.3      | 2                |
| 80%                | -22°F                       | -22.5°F | 14268                  | 1.8      | 2                | 14083      | 1.7      | 2                | 13726      | 1.7      | 2                |
|                    | -5°F                        | -6°F    | 16334                  | 1.9      | 2                | 16122      | 1.9      | 3                | 15714      | 1.8      | 3                |
|                    | 0°F                         | -1°F    | 17023                  | 2.0      | 3                | 16802      | 1.9      | 3                | 16376      | 1.8      | 3                |
|                    | 5°F                         | 3°F     | 17712                  | 2.0      | 3                | 17482      | 2.0      | 3                | 17039      | 1.9      | 3                |
|                    | 7°F                         | 5°F     | 17946                  | 2.1      | 3                | 17713      | 2.0      | 3                | 17264      | 1.9      | 3                |
|                    | 17°F                        | 15°F    | 19352                  | 2.3      | 2                | 19100      | 2.2      | 3                | 18617      | 2.1      | 3                |
|                    | 28°F                        | 26°F    | 19475                  | 2.7      | 2                | 19222      | 2.6      | 2                | 18735      | 2.5      | 2                |
|                    | 38°F                        | 35°F    | 19578                  | 3.1      | 2                | 19323      | 3.0      | 2                | 18834      | 2.9      | 2                |
|                    | 47°F                        | 43°F    | 19680                  | 3.8      | 2                | 19424      | 3.6      | 2                | 18932      | 3.5      | 2                |
|                    | 57°F                        | 52°F    | 20270                  | 4.1      | 1                | 20007      | 3.9      | 1                | 19500      | 3.7      | 2                |
|                    | 68°F                        | 63°F    | 21058                  | 4.3      | 1                | 20784      | 4.1      | 1                | 20257      | 4.0      | 2                |
|                    | 77°F                        | 71°F    | 21648                  | 4.5      | 1                | 21367      | 4.4      | 1                | 20825      | 4.2      | 1                |



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## EXTENDED RATINGS

MUL24HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 70%                | -22°F                       | -22.5°F | 12528                  | 1.8      | 2.1              | 12365      | 1.7      | 2                | 12052      | 1.6      | 2.2              |
|                    | -5°F                        | -6°F    | 14342                  | 1.9      | 2.2              | 14156      | 1.9      | 2                | 13797      | 1.8      | 2.3              |
|                    | 0°F                         | -1°F    | 14947                  | 2.0      | 2.2              | 14753      | 1.9      | 2                | 14379      | 1.8      | 2.3              |
|                    | 5°F                         | 3°F     | 15552                  | 2.0      | 2.3              | 15350      | 2.0      | 2                | 14961      | 1.9      | 2.4              |
|                    | 7°F                         | 5°F     | 15758                  | 2.1      | 2.3              | 15553      | 2.0      | 2                | 15159      | 1.9      | 2.4              |
|                    | 17°F                        | 15°F    | 16992                  | 2.3      | 2.2              | 16771      | 2.2      | 2                | 16346      | 2.1      | 2.3              |
|                    | 28°F                        | 26°F    | 17100                  | 2.7      | 1.9              | 16878      | 2.6      | 2                | 16450      | 2.5      | 2.0              |
|                    | 38°F                        | 35°F    | 17190                  | 3.1      | 1.6              | 16967      | 3.0      | 2                | 16537      | 2.9      | 1.7              |
|                    | 47°F                        | 43°F    | 17280                  | 3.8      | 1.4              | 17055      | 3.6      | 1                | 16623      | 3.5      | 1.4              |
|                    | 57°F                        | 52°F    | 17798                  | 4.0      | 1.3              | 17567      | 3.9      | 1                | 17122      | 3.7      | 1.3              |
|                    | 68°F                        | 63°F    | 18490                  | 4.3      | 1.3              | 18249      | 4.1      | 1                | 17787      | 3.9      | 1.3              |
|                    | 77°F                        | 71°F    | 19008                  | 4.5      | 1.2              | 18761      | 4.3      | 1                | 18286      | 4.1      | 1.3              |
| 60%                | -22°F                       | -22.5°F | 10788                  | 1.8      | 1.8              | 10648      | 1.7      | 2                | 10378      | 1.6      | 1.9              |
|                    | -5°F                        | -6°F    | 12350                  | 1.9      | 1.9              | 12190      | 1.9      | 2                | 11881      | 1.8      | 2.0              |
|                    | 0°F                         | -1°F    | 12871                  | 2.0      | 1.9              | 12704      | 1.9      | 2                | 12382      | 1.8      | 2.0              |
|                    | 5°F                         | 3°F     | 13392                  | 2.0      | 2.0              | 13218      | 1.9      | 2                | 12883      | 1.9      | 2.0              |
|                    | 7°F                         | 5°F     | 13569                  | 2.0      | 2.0              | 13393      | 2.0      | 2                | 13054      | 1.9      | 2.0              |
|                    | 17°F                        | 15°F    | 14632                  | 2.2      | 1.9              | 14442      | 2.2      | 2                | 14076      | 2.1      | 2.0              |
|                    | 28°F                        | 26°F    | 14725                  | 2.6      | 1.6              | 14534      | 2.6      | 2                | 14165      | 2.4      | 1.7              |
|                    | 38°F                        | 35°F    | 14803                  | 3.1      | 1.4              | 14610      | 3.0      | 1                | 14240      | 2.9      | 1.5              |
|                    | 47°F                        | 43°F    | 14880                  | 3.7      | 1.2              | 14687      | 3.6      | 1                | 14315      | 3.4      | 1.2              |
|                    | 57°F                        | 52°F    | 15326                  | 4.0      | 1.1              | 15127      | 3.9      | 1                | 14744      | 3.7      | 1.2              |
|                    | 68°F                        | 63°F    | 15922                  | 4.2      | 1.1              | 15715      | 4.1      | 1                | 15317      | 3.9      | 1.2              |
|                    | 77°F                        | 71°F    | 16368                  | 4.5      | 1.1              | 16155      | 4.3      | 1                | 15746      | 4.1      | 1.1              |


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# EXTENDED RATINGS

MUL24HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 50%                | -22°F                       | -22.5°F | 9048                   | 1.8      | 1.5              | 8930       | 1.7      | 1.5              | 8704       | 1.6      | 1.6              |
|                    | -5°F                        | -6°F    | 10358                  | 1.9      | 1.6              | 10224      | 1.8      | 1.6              | 9965       | 1.8      | 1.7              |
|                    | 0°F                         | -1°F    | 10795                  | 1.9      | 1.6              | 10655      | 1.9      | 1.7              | 10385      | 1.8      | 1.7              |
|                    | 5°F                         | 3°F     | 11232                  | 2.0      | 1.7              | 11086      | 1.9      | 1.7              | 10805      | 1.8      | 1.7              |
|                    | 7°F                         | 5°F     | 11381                  | 2.0      | 1.7              | 11233      | 2.0      | 1.7              | 10948      | 1.9      | 1.7              |
|                    | 17°F                        | 15°F    | 12272                  | 2.2      | 1.6              | 12112      | 2.2      | 1.7              | 11806      | 2.1      | 1.7              |
|                    | 28°F                        | 26°F    | 12350                  | 2.6      | 1.4              | 12189      | 2.5      | 1.4              | 11881      | 2.4      | 1.4              |
|                    | 38°F                        | 35°F    | 12415                  | 3.1      | 1.2              | 12254      | 3.0      | 1.2              | 11943      | 2.8      | 1.2              |
|                    | 47°F                        | 43°F    | 12480                  | 3.7      | 1.0              | 12318      | 3.6      | 1.0              | 12006      | 3.4      | 1.0              |
|                    | 57°F                        | 52°F    | 12854                  | 4.0      | 0.9              | 12687      | 3.9      | 1.0              | 12366      | 3.7      | 1.0              |
|                    | 68°F                        | 63°F    | 13354                  | 4.2      | 0.9              | 13180      | 4.1      | 1.0              | 12846      | 3.9      | 1.0              |
|                    | 77°F                        | 71°F    | 13728                  | 4.4      | 0.9              | 13550      | 4.3      | 0.9              | 13206      | 4.1      | 1.0              |



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## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 135%               | -22°F                            | 13842                  | 10727      | 77% | 15.4 | 0.9              | 14772                 | 11493      | 78% | 15.9 | 0.9              | 16617                 | 13028      | 78% | 16.8 | 1.0              | 18860                 | 14805      | 79% | 18.2 | 1.0              |
|                    | -4°F                             | 14725                  | 11412      | 78% | 15.4 | 1.0              | 15715                 | 12227      | 78% | 15.9 | 1.0              | 17677                 | 13859      | 78% | 16.8 | 1.1              | 20064                 | 15750      | 79% | 18.2 | 1.1              |
|                    | 5°F                              | 15665                  | 12141      | 78% | 15.4 | 1.0              | 16718                 | 13007      | 78% | 15.9 | 1.1              | 18806                 | 14744      | 78% | 16.8 | 1.1              | 21345                 | 16756      | 79% | 18.2 | 1.2              |
|                    | 14°F                             | 16665                  | 12916      | 78% | 15.4 | 1.1              | 17786                 | 13837      | 78% | 15.9 | 1.1              | 20006                 | 15685      | 78% | 16.8 | 1.2              | 22707                 | 17825      | 79% | 18.2 | 1.3              |
|                    | 23°F                             | 17729                  | 13740      | 77% | 15.4 | 1.2              | 18921                 | 14720      | 78% | 15.9 | 1.2              | 21283                 | 16686      | 78% | 16.8 | 1.3              | 24156                 | 18963      | 79% | 18.2 | 1.3              |
|                    | 32°F                             | 18861                  | 14617      | 78% | 15.4 | 1.2              | 20128                 | 15660      | 78% | 15.9 | 1.3              | 22642                 | 17751      | 78% | 16.8 | 1.3              | 25698                 | 20173      | 79% | 18.2 | 1.4              |
|                    | 41°F                             | 20064                  | 15550      | 78% | 15.4 | 1.3              | 21413                 | 16660      | 78% | 15.9 | 1.3              | 24087                 | 18884      | 78% | 16.8 | 1.4              | 27339                 | 21461      | 79% | 18.2 | 1.5              |
|                    | 50°F                             | 21345                  | 16542      | 78% | 15.4 | 1.4              | 22780                 | 17723      | 78% | 15.9 | 1.4              | 25624                 | 20090      | 78% | 16.8 | 1.5              | 29084                 | 22831      | 79% | 18.2 | 1.6              |
|                    | 59°F                             | 22708                  | 17598      | 78% | 15.4 | 1.5              | 24234                 | 18854      | 78% | 15.9 | 1.5              | 27260                 | 21372      | 78% | 16.8 | 1.6              | 30940                 | 24288      | 79% | 18.2 | 1.7              |
|                    | 68°F                             | 24157                  | 18722      | 78% | 15.4 | 1.6              | 25781                 | 20058      | 78% | 15.9 | 1.6              | 29000                 | 22736      | 78% | 16.8 | 1.7              | 32915                 | 25838      | 79% | 18.2 | 1.8              |
|                    | 77°F                             | 23990                  | 18593      | 78% | 14.3 | 1.7              | 25603                 | 19919      | 78% | 14.8 | 1.7              | 28800                 | 22579      | 78% | 15.7 | 1.8              | 32688                 | 25660      | 79% | 16.9 | 1.9              |
|                    | 86°F                             | 23824                  | 18463      | 78% | 13.4 | 1.8              | 25425                 | 19781      | 78% | 13.8 | 1.8              | 28600                 | 22422      | 78% | 14.7 | 2.0              | 32461                 | 25482      | 79% | 15.8 | 2.1              |
|                    | 95°F                             | 23657                  | 18334      | 78% | 12.5 | 1.9              | 25248                 | 19643      | 78% | 12.9 | 2.0              | 28400                 | 22266      | 78% | 13.7 | 2.1              | 32234                 | 25304      | 79% | 14.8 | 2.2              |
|                    | 104°F                            | 23491                  | 18205      | 78% | 10.2 | 2.3              | 25070                 | 19504      | 78% | 10.5 | 2.4              | 28200                 | 22109      | 78% | 11.1 | 2.5              | 32007                 | 25125      | 79% | 12.0 | 2.7              |
| 120%               | 113°F                            | 23324                  | 18076      | 78% | 8.5  | 2.7              | 24892                 | 19366      | 78% | 8.8  | 2.8              | 28000                 | 21952      | 78% | 9.3  | 3.0              | 31780                 | 24947      | 79% | 10.1 | 3.2              |
|                    | 118°F                            | 23224                  | 17999      | 78% | 7.0  | 3.3              | 24785                 | 19283      | 78% | 7.2  | 3.4              | 27880                 | 21858      | 78% | 7.6  | 3.7              | 31644                 | 24840      | 79% | 8.2  | 3.8              |
|                    | -22°F                            | 13842                  | 10727      | 77% | 15.4 | 0.9              | 14772                 | 11493      | 78% | 15.9 | 0.9              | 16617                 | 13028      | 78% | 16.8 | 1.0              | 18860                 | 14805      | 79% | 18.2 | 1.0              |
|                    | -4°F                             | 14725                  | 11412      | 78% | 15.4 | 1.0              | 15715                 | 12227      | 78% | 15.9 | 1.0              | 17677                 | 13859      | 78% | 16.8 | 1.1              | 20064                 | 15750      | 79% | 18.2 | 1.1              |
|                    | 5°F                              | 15665                  | 12141      | 78% | 15.4 | 1.0              | 16718                 | 13007      | 78% | 15.9 | 1.1              | 18806                 | 14744      | 78% | 16.8 | 1.1              | 21345                 | 16756      | 79% | 18.2 | 1.2              |
|                    | 14°F                             | 16665                  | 12916      | 78% | 15.4 | 1.1              | 17786                 | 13837      | 78% | 15.9 | 1.1              | 20006                 | 15685      | 78% | 16.8 | 1.2              | 22707                 | 17825      | 79% | 18.2 | 1.3              |
|                    | 23°F                             | 17729                  | 13740      | 77% | 15.4 | 1.2              | 18921                 | 14720      | 78% | 15.9 | 1.2              | 21283                 | 16686      | 78% | 16.8 | 1.3              | 24156                 | 18963      | 79% | 18.2 | 1.3              |
|                    | 32°F                             | 18861                  | 14617      | 78% | 15.4 | 1.2              | 20128                 | 15660      | 78% | 15.9 | 1.3              | 22642                 | 17751      | 78% | 16.8 | 1.3              | 25698                 | 20173      | 79% | 18.2 | 1.4              |
|                    | 41°F                             | 20064                  | 15550      | 78% | 15.4 | 1.3              | 21413                 | 16660      | 78% | 15.9 | 1.3              | 24087                 | 18884      | 78% | 16.8 | 1.4              | 27339                 | 21461      | 79% | 18.2 | 1.5              |
|                    | 50°F                             | 21345                  | 16542      | 78% | 15.4 | 1.4              | 22780                 | 17723      | 78% | 15.9 | 1.4              | 25624                 | 20090      | 78% | 16.8 | 1.5              | 29084                 | 22831      | 79% | 18.2 | 1.6              |
|                    | 59°F                             | 22708                  | 17598      | 78% | 15.4 | 1.5              | 24234                 | 18854      | 78% | 15.9 | 1.5              | 27260                 | 21372      | 78% | 16.8 | 1.6              | 30940                 | 24288      | 79% | 18.2 | 1.7              |
|                    | 68°F                             | 24157                  | 18722      | 78% | 15.4 | 1.6              | 25781                 | 20058      | 78% | 15.9 | 1.6              | 29000                 | 22736      | 78% | 16.8 | 1.7              | 32915                 | 25838      | 79% | 18.2 | 1.8              |
|                    | 77°F                             | 23990                  | 18593      | 78% | 14.3 | 1.7              | 25603                 | 19919      | 78% | 14.8 | 1.7              | 28800                 | 22579      | 78% | 15.7 | 1.8              | 32688                 | 25660      | 79% | 16.9 | 1.9              |
|                    | 86°F                             | 23824                  | 18463      | 78% | 13.4 | 1.8              | 25425                 | 19781      | 78% | 13.8 | 1.8              | 28600                 | 22422      | 78% | 14.7 | 2.0              | 32461                 | 25482      | 79% | 15.8 | 2.1              |
|                    | 95°F                             | 23657                  | 18334      | 78% | 12.5 | 1.9              | 25248                 | 19643      | 78% | 12.9 | 2.0              | 28400                 | 22266      | 78% | 13.7 | 2.1              | 32234                 | 25304      | 79% | 14.8 | 2.2              |
|                    | 104°F                            | 23491                  | 18205      | 78% | 10.2 | 2.3              | 25070                 | 19504      | 78% | 10.5 | 2.4              | 28200                 | 22109      | 78% | 11.1 | 2.5              | 32007                 | 25125      | 79% | 12.0 | 2.7              |
|                    | 113°F                            | 23324                  | 18076      | 78% | 8.5  | 2.7              | 24892                 | 19366      | 78% | 8.8  | 2.8              | 28000                 | 21952      | 78% | 9.3  | 3.0              | 31780                 | 24947      | 79% | 10.1 | 3.2              |
|                    | 118°F                            | 23224                  | 17999      | 78% | 7.0  | 3.3              | 24785                 | 19283      | 78% | 7.2  | 3.4              | 27880                 | 21858      | 78% | 7.6  | 3.7              | 31644                 | 24840      | 79% | 8.2  | 3.8              |





## EXTENDED RATINGS

MUL30HPJ1320A

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 110%               | -22°F                            | 13842                  | 10727      | 77% | 15.4 | 0.9              | 14772                 | 11493      | 78% | 15.9 | 0.9              | 16617                 | 13028      | 78% | 16.8 | 1.0              | 18860                 | 14805      | 79% | 18.2 | 1.0              |
|                    | -4°F                             | 14725                  | 11412      | 78% | 15.4 | 1.0              | 15715                 | 12227      | 78% | 15.9 | 1.0              | 17677                 | 13859      | 78% | 16.8 | 1.1              | 20064                 | 15750      | 79% | 18.2 | 1.1              |
|                    | 5°F                              | 15665                  | 12141      | 78% | 15.4 | 1.0              | 16718                 | 13007      | 78% | 15.9 | 1.1              | 18806                 | 14744      | 78% | 16.8 | 1.1              | 21345                 | 16756      | 79% | 18.2 | 1.2              |
|                    | 14°F                             | 16665                  | 12916      | 78% | 15.4 | 1.1              | 17786                 | 13837      | 78% | 15.9 | 1.1              | 20006                 | 15685      | 78% | 16.8 | 1.2              | 22707                 | 17825      | 79% | 18.2 | 1.3              |
|                    | 23°F                             | 17729                  | 13740      | 77% | 15.4 | 1.2              | 18921                 | 14720      | 78% | 15.9 | 1.2              | 21283                 | 16686      | 78% | 16.8 | 1.3              | 24156                 | 18963      | 79% | 18.2 | 1.3              |
|                    | 32°F                             | 18861                  | 14617      | 78% | 15.4 | 1.2              | 20128                 | 15660      | 78% | 15.9 | 1.3              | 22642                 | 17751      | 78% | 16.8 | 1.3              | 25698                 | 20173      | 79% | 18.2 | 1.4              |
|                    | 41°F                             | 20064                  | 15550      | 78% | 15.4 | 1.3              | 21413                 | 16660      | 78% | 15.9 | 1.3              | 24087                 | 18884      | 78% | 16.8 | 1.4              | 27339                 | 21461      | 79% | 18.2 | 1.5              |
|                    | 50°F                             | 21345                  | 16542      | 78% | 15.4 | 1.4              | 22780                 | 17723      | 78% | 15.9 | 1.4              | 25624                 | 20090      | 78% | 16.8 | 1.5              | 29084                 | 22831      | 79% | 18.2 | 1.6              |
|                    | 59°F                             | 22708                  | 17598      | 78% | 15.4 | 1.5              | 24234                 | 18854      | 78% | 15.9 | 1.5              | 27260                 | 21372      | 78% | 16.8 | 1.6              | 30940                 | 24288      | 79% | 18.2 | 1.7              |
|                    | 68°F                             | 24157                  | 18722      | 78% | 15.4 | 1.6              | 25781                 | 20058      | 78% | 15.9 | 1.6              | 29000                 | 22736      | 78% | 16.8 | 1.7              | 32915                 | 25838      | 79% | 18.2 | 1.8              |
|                    | 77°F                             | 23990                  | 18593      | 78% | 14.3 | 1.7              | 25603                 | 19919      | 78% | 14.8 | 1.7              | 28800                 | 22579      | 78% | 15.7 | 1.8              | 32688                 | 25660      | 79% | 16.9 | 1.9              |
|                    | 86°F                             | 23824                  | 18463      | 78% | 13.4 | 1.8              | 25425                 | 19781      | 78% | 13.8 | 1.8              | 28600                 | 22422      | 78% | 14.7 | 2.0              | 32461                 | 25482      | 79% | 15.8 | 2.1              |
|                    | 95°F                             | 23657                  | 18334      | 78% | 12.5 | 1.9              | 25248                 | 19643      | 78% | 12.9 | 2.0              | 28400                 | 22266      | 78% | 13.7 | 2.1              | 32234                 | 25304      | 79% | 14.8 | 2.2              |
|                    | 104°F                            | 23491                  | 18205      | 78% | 10.2 | 2.3              | 25070                 | 19504      | 78% | 10.5 | 2.4              | 28200                 | 22109      | 78% | 11.1 | 2.5              | 32007                 | 25125      | 79% | 12.0 | 2.7              |
| 100%               | 113°F                            | 23324                  | 18076      | 78% | 8.5  | 2.7              | 24892                 | 19366      | 78% | 8.8  | 2.8              | 28000                 | 21952      | 78% | 9.3  | 3.0              | 31780                 | 24947      | 79% | 10.1 | 3.2              |
|                    | 118°F                            | 23224                  | 17999      | 78% | 7.0  | 3.3              | 24785                 | 19283      | 78% | 7.2  | 3.4              | 27880                 | 21858      | 78% | 7.6  | 3.7              | 31644                 | 24840      | 79% | 8.2  | 3.8              |
|                    | -22°F                            | 13842                  | 10727      | 77% | 15.4 | 1                | 14772                 | 11493      | 78% | 15.9 | 1                | 16617                 | 13028      | 78% | 16.8 | 1                | 18860                 | 14805      | 79% | 18.2 | 1                |
|                    | -4°F                             | 14725                  | 11412      | 78% | 15.4 | 1                | 15715                 | 12227      | 78% | 15.9 | 1                | 17677                 | 13859      | 78% | 16.8 | 1                | 20064                 | 15750      | 79% | 18.2 | 1                |
|                    | 5°F                              | 15665                  | 12141      | 78% | 15.4 | 1                | 16718                 | 13007      | 78% | 15.9 | 1                | 18806                 | 14744      | 78% | 16.8 | 1                | 21345                 | 16756      | 79% | 18.2 | 1                |
|                    | 14°F                             | 16665                  | 12916      | 78% | 15.4 | 1                | 17786                 | 13837      | 78% | 15.9 | 1                | 20006                 | 15685      | 78% | 16.8 | 1                | 22707                 | 17825      | 79% | 18.2 | 1                |
|                    | 23°F                             | 17729                  | 13740      | 77% | 15.4 | 1                | 18921                 | 14720      | 78% | 15.9 | 1                | 21283                 | 16686      | 78% | 16.8 | 1                | 24156                 | 18963      | 79% | 18.2 | 1                |
|                    | 32°F                             | 18861                  | 14617      | 78% | 15.4 | 1                | 20128                 | 15660      | 78% | 15.9 | 1                | 22642                 | 17751      | 78% | 16.8 | 1                | 25698                 | 20173      | 79% | 18.2 | 1                |
|                    | 41°F                             | 20064                  | 15550      | 78% | 15.4 | 1                | 21413                 | 16660      | 78% | 15.9 | 1                | 24087                 | 18884      | 78% | 16.8 | 1                | 27339                 | 21461      | 79% | 18.2 | 2                |
|                    | 50°F                             | 21345                  | 16542      | 78% | 15.4 | 1                | 22780                 | 17723      | 78% | 15.9 | 1                | 25624                 | 20090      | 78% | 16.8 | 2                | 29084                 | 22831      | 79% | 18.2 | 2                |
|                    | 59°F                             | 22708                  | 17598      | 78% | 15.4 | 1                | 24234                 | 18854      | 78% | 15.9 | 2                | 27260                 | 21372      | 78% | 16.8 | 2                | 30940                 | 24288      | 79% | 18.2 | 2                |
|                    | 68°F                             | 24157                  | 18722      | 78% | 15.4 | 2                | 25781                 | 20058      | 78% | 15.9 | 2                | 29000                 | 22736      | 78% | 16.8 | 2                | 32915                 | 25838      | 79% | 18.2 | 2                |
|                    | 77°F                             | 23990                  | 18593      | 78% | 14.3 | 2                | 25603                 | 19919      | 78% | 14.8 | 2                | 28800                 | 22579      | 78% | 15.7 | 2                | 32688                 | 25660      | 79% | 16.9 | 2                |
|                    | 86°F                             | 23824                  | 18463      | 78% | 13.4 | 2                | 25425                 | 19781      | 78% | 13.8 | 2                | 28600                 | 22422      | 78% | 14.7 | 2                | 32461                 | 25482      | 79% | 15.8 | 2                |
|                    | 95°F                             | 23657                  | 18334      | 78% | 12.5 | 2                | 25248                 | 19643      | 78% | 12.9 | 2                | 28400                 | 22266      | 78% | 13.7 | 2                | 32234                 | 25304      | 79% | 14.8 | 2                |
|                    | 104°F                            | 23491                  | 18205      | 78% | 10.2 | 2                | 25070                 | 19504      | 78% | 10.5 | 2                | 28200                 | 22109      | 78% | 11.1 | 3                | 32007                 | 25125      | 79% | 12.0 | 3                |
|                    | 113°F                            | 23324                  | 18076      | 78% | 8.5  | 3                | 24892                 | 19366      | 78% | 8.8  | 3                | 28000                 | 21952      | 78% | 9.3  | 3                | 31780                 | 24947      | 79% | 10.1 | 3                |
|                    | 118°F                            | 23224                  | 17999      | 78% | 7.0  | 3                | 24785                 | 19283      | 78% | 7.2  | 3                | 27880                 | 21858      | 78% | 7.6  | 4                | 31644                 | 24840      | 79% | 8.2  | 4                |


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## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 90%                | -22°F                            | 13011                  | 10084      | 78% | 15.2 | 0.9              | 13886                 | 10803      | 78% | 15.7 | 0.9              | 15620                 | 12246      | 78% | 16.7 | 0.9              | 17729                 | 13917      | 79% | 18.0 | 1.0              |
|                    | -4°F                             | 13842                  | 10727      | 78% | 15.2 | 0.9              | 14772                 | 11493      | 78% | 15.7 | 0.9              | 16617                 | 13028      | 78% | 16.7 | 1.0              | 18860                 | 14805      | 79% | 18.0 | 1.1              |
|                    | 5°F                              | 14725                  | 11412      | 78% | 15.2 | 1.0              | 15715                 | 12227      | 78% | 15.7 | 1.0              | 17677                 | 13859      | 78% | 16.7 | 1.1              | 20064                 | 15750      | 79% | 18.0 | 1.1              |
|                    | 14°F                             | 15665                  | 12141      | 78% | 15.2 | 1.0              | 16718                 | 13007      | 78% | 15.7 | 1.1              | 18806                 | 14744      | 78% | 16.7 | 1.1              | 21345                 | 16756      | 79% | 18.0 | 1.2              |
|                    | 23°F                             | 16665                  | 12916      | 78% | 15.2 | 1.1              | 17786                 | 13837      | 78% | 15.7 | 1.1              | 20006                 | 15685      | 78% | 16.7 | 1.2              | 22707                 | 17825      | 79% | 18.0 | 1.3              |
|                    | 32°F                             | 17729                  | 13740      | 78% | 15.2 | 1.2              | 18921                 | 14720      | 78% | 15.7 | 1.2              | 21283                 | 16686      | 78% | 16.7 | 1.3              | 24156                 | 18963      | 79% | 18.0 | 1.3              |
|                    | 41°F                             | 18861                  | 14617      | 78% | 15.2 | 1.2              | 20128                 | 15660      | 78% | 15.7 | 1.3              | 22642                 | 17751      | 78% | 16.7 | 1.4              | 25698                 | 20173      | 79% | 18.0 | 1.4              |
|                    | 50°F                             | 20064                  | 15550      | 78% | 15.2 | 1.3              | 21413                 | 16660      | 78% | 15.7 | 1.4              | 24087                 | 18884      | 78% | 16.7 | 1.4              | 27339                 | 21461      | 79% | 18.0 | 1.5              |
|                    | 59°F                             | 21345                  | 16542      | 78% | 15.2 | 1.4              | 22780                 | 17723      | 78% | 15.7 | 1.5              | 25624                 | 20090      | 78% | 16.7 | 1.5              | 29084                 | 22831      | 79% | 18.0 | 1.6              |
|                    | 68°F                             | 22708                  | 17598      | 78% | 15.2 | 1.5              | 24234                 | 18854      | 78% | 15.7 | 1.5              | 27260                 | 21372      | 78% | 16.7 | 1.6              | 30940                 | 24288      | 79% | 18.0 | 1.7              |
|                    | 77°F                             | 22551                  | 17477      | 78% | 14.2 | 1.6              | 24067                 | 18724      | 78% | 14.7 | 1.6              | 27072                 | 21224      | 78% | 15.5 | 1.7              | 30727                 | 24120      | 79% | 16.8 | 1.8              |
|                    | 86°F                             | 22394                  | 17356      | 78% | 13.3 | 1.7              | 23900                 | 18594      | 78% | 13.7 | 1.7              | 26884                 | 21077      | 78% | 14.5 | 1.9              | 30513                 | 23953      | 79% | 15.7 | 1.9              |
|                    | 95°F                             | 22238                  | 17234      | 78% | 12.4 | 1.8              | 23733                 | 18464      | 78% | 12.8 | 1.9              | 26696                 | 20930      | 78% | 13.5 | 2.0              | 30300                 | 23785      | 79% | 14.6 | 2.1              |
|                    | 104°F                            | 22081                  | 17113      | 78% | 10.0 | 2.2              | 23566                 | 18334      | 78% | 10.4 | 2.3              | 26508                 | 20782      | 78% | 11.0 | 2.4              | 30087                 | 23618      | 79% | 11.9 | 2.5              |
| 80%                | 113°F                            | 21925                  | 16992      | 78% | 8.4  | 2.6              | 23398                 | 18204      | 78% | 8.7  | 2.7              | 26320                 | 20635      | 78% | 9.2  | 2.9              | 29873                 | 23450      | 79% | 10.0 | 3.0              |
|                    | 118°F                            | 21831                  | 16919      | 78% | 6.9  | 3.2              | 23298                 | 18126      | 78% | 7.1  | 3.3              | 26207                 | 20546      | 78% | 7.6  | 3.5              | 29745                 | 23350      | 79% | 8.2  | 3.6              |
|                    | -22°F                            | 11350                  | 8796       | 78% | 14.8 | 0.8              | 12113                 | 9424       | 78% | 15.3 | 0.8              | 13626                 | 10683      | 78% | 16.2 | 0.8              | 15465                 | 12140      | 79% | 17.5 | 0.9              |
|                    | -4°F                             | 12075                  | 9358       | 78% | 14.8 | 0.8              | 12887                 | 10026      | 78% | 15.3 | 0.8              | 14496                 | 11365      | 78% | 16.2 | 0.9              | 16452                 | 12915      | 79% | 17.5 | 0.9              |
|                    | 5°F                              | 12846                  | 9955       | 78% | 14.8 | 0.9              | 13709                 | 10666      | 78% | 15.3 | 0.9              | 15421                 | 12090      | 78% | 16.2 | 1.0              | 17503                 | 13740      | 79% | 17.5 | 1.0              |
|                    | 14°F                             | 13665                  | 10591      | 78% | 14.8 | 0.9              | 14584                 | 11346      | 78% | 15.3 | 1.0              | 16405                 | 12862      | 78% | 16.2 | 1.0              | 18620                 | 14617      | 79% | 17.5 | 1.1              |
|                    | 23°F                             | 14538                  | 11267      | 78% | 14.8 | 1.0              | 15515                 | 12071      | 78% | 15.3 | 1.0              | 17452                 | 13683      | 78% | 16.2 | 1.1              | 19808                 | 15550      | 79% | 17.5 | 1.1              |
|                    | 32°F                             | 15466                  | 11986      | 78% | 14.8 | 1.0              | 16505                 | 12841      | 78% | 15.3 | 1.1              | 18566                 | 14556      | 78% | 16.2 | 1.1              | 21073                 | 16542      | 79% | 17.5 | 1.2              |
|                    | 41°F                             | 16453                  | 12751      | 78% | 14.8 | 1.1              | 17559                 | 13661      | 78% | 15.3 | 1.1              | 19751                 | 15485      | 78% | 16.2 | 1.2              | 22418                 | 17598      | 79% | 17.5 | 1.3              |
|                    | 50°F                             | 17503                  | 13565      | 78% | 14.8 | 1.2              | 18680                 | 14533      | 78% | 15.3 | 1.2              | 21012                 | 16473      | 78% | 16.2 | 1.3              | 23849                 | 18721      | 79% | 17.5 | 1.4              |
|                    | 59°F                             | 18620                  | 14431      | 78% | 14.8 | 1.3              | 19872                 | 15460      | 78% | 15.3 | 1.3              | 22353                 | 17525      | 78% | 16.2 | 1.4              | 25371                 | 19916      | 79% | 17.5 | 1.4              |
|                    | 68°F                             | 19809                  | 15352      | 78% | 14.8 | 1.3              | 21140                 | 16447      | 78% | 15.3 | 1.4              | 23780                 | 18644      | 78% | 16.2 | 1.5              | 26990                 | 21187      | 79% | 17.5 | 1.5              |
|                    | 77°F                             | 19672                  | 15246      | 78% | 13.8 | 1.4              | 20995                 | 16334      | 78% | 14.3 | 1.5              | 23616                 | 18515      | 78% | 15.2 | 1.6              | 26804                 | 21041      | 79% | 16.4 | 1.6              |
|                    | 86°F                             | 19536                  | 15140      | 78% | 12.9 | 1.5              | 20849                 | 16220      | 78% | 13.3 | 1.6              | 23452                 | 18386      | 78% | 14.2 | 1.7              | 26618                 | 20895      | 79% | 15.3 | 1.7              |
|                    | 95°F                             | 19399                  | 15034      | 78% | 12.1 | 1.6              | 20703                 | 16107      | 78% | 12.5 | 1.7              | 23288                 | 18258      | 78% | 13.2 | 1.8              | 26432                 | 20749      | 79% | 14.3 | 1.9              |
|                    | 104°F                            | 19262                  | 14928      | 78% | 9.8  | 2.0              | 20557                 | 15994      | 78% | 10.1 | 2.0              | 23124                 | 18129      | 78% | 10.7 | 2.2              | 26246                 | 20603      | 79% | 11.6 | 2.3              |
|                    | 113°F                            | 19126                  | 14822      | 78% | 8.2  | 2.3              | 20411                 | 15880      | 78% | 8.5  | 2.4              | 22960                 | 18001      | 78% | 9.0  | 2.6              | 26060                 | 20457      | 79% | 9.7  | 2.7              |
|                    | 118°F                            | 19044                  | 14759      | 78% | 6.7  | 2.8              | 20324                 | 15812      | 78% | 7.0  | 2.9              | 22862                 | 17923      | 78% | 7.4  | 3.1              | 25948                 | 20369      | 79% | 8.0  | 3.3              |



## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 70%                | -22°F                            | 9966                   | 7724       | 78% | 14.8 | 0.7              | 10636                 | 8275       | 78% | 15.2 | 0.7              | 11964                 | 9380       | 78% | 16.2 | 0.7              | 13579                 | 10660      | 79% | 17.4 | 0.8              |
|                    | -4°F                             | 10602                  | 8217       | 78% | 14.8 | 0.7              | 11315                 | 8803       | 78% | 15.2 | 0.7              | 12728                 | 9979       | 78% | 16.2 | 0.8              | 14446                 | 11340      | 79% | 17.4 | 0.8              |
|                    | 5°F                              | 11279                  | 8741       | 78% | 14.8 | 0.8              | 12037                 | 9365       | 78% | 15.2 | 0.8              | 13540                 | 10616      | 78% | 16.2 | 0.8              | 15368                 | 12064      | 79% | 17.4 | 0.9              |
|                    | 14°F                             | 11999                  | 9299       | 78% | 14.8 | 0.8              | 12806                 | 9963       | 78% | 15.2 | 0.8              | 14404                 | 11293      | 78% | 16.2 | 0.9              | 16349                 | 12834      | 79% | 17.4 | 0.9              |
|                    | 23°F                             | 12765                  | 9893       | 78% | 14.8 | 0.9              | 13623                 | 10599      | 78% | 15.2 | 0.9              | 15324                 | 12014      | 78% | 16.2 | 0.9              | 17393                 | 13653      | 79% | 17.4 | 1.0              |
|                    | 32°F                             | 13580                  | 10524      | 78% | 14.8 | 0.9              | 14493                 | 11275      | 78% | 15.2 | 1.0              | 16302                 | 12781      | 78% | 16.2 | 1.0              | 18503                 | 14525      | 79% | 17.4 | 1.1              |
|                    | 41°F                             | 14446                  | 11196      | 78% | 14.8 | 1.0              | 15418                 | 11995      | 78% | 15.2 | 1.0              | 17343                 | 13597      | 78% | 16.2 | 1.1              | 19684                 | 15452      | 79% | 17.4 | 1.1              |
|                    | 50°F                             | 15368                  | 11911      | 78% | 14.8 | 1.0              | 16402                 | 12760      | 78% | 15.2 | 1.1              | 18450                 | 14464      | 78% | 16.2 | 1.1              | 20940                 | 16438      | 79% | 17.4 | 1.2              |
|                    | 59°F                             | 16349                  | 12671      | 78% | 14.8 | 1.1              | 17449                 | 13575      | 78% | 15.2 | 1.1              | 19627                 | 15388      | 78% | 16.2 | 1.2              | 22277                 | 17487      | 79% | 17.4 | 1.3              |
|                    | 68°F                             | 17393                  | 13480      | 78% | 14.8 | 1.2              | 18562                 | 14441      | 78% | 15.2 | 1.2              | 20880                 | 16370      | 78% | 16.2 | 1.3              | 23699                 | 18604      | 79% | 17.4 | 1.4              |
|                    | 77°F                             | 17273                  | 13387      | 78% | 13.8 | 1.3              | 18434                 | 14342      | 78% | 14.2 | 1.3              | 20736                 | 16257      | 78% | 15.1 | 1.4              | 23535                 | 18475      | 79% | 16.3 | 1.4              |
|                    | 86°F                             | 17153                  | 13294      | 78% | 12.9 | 1.3              | 18306                 | 14242      | 78% | 13.3 | 1.4              | 20592                 | 16144      | 78% | 14.1 | 1.5              | 23372                 | 18347      | 79% | 15.2 | 1.5              |
|                    | 95°F                             | 17033                  | 13201      | 78% | 12.0 | 1.4              | 18178                 | 14143      | 78% | 12.4 | 1.5              | 20448                 | 16031      | 78% | 13.1 | 1.6              | 23208                 | 18219      | 79% | 14.2 | 1.6              |
|                    | 104°F                            | 16913                  | 13108      | 78% | 9.7  | 1.7              | 18050                 | 14043      | 78% | 10.1 | 1.8              | 20304                 | 15918      | 78% | 10.7 | 1.9              | 23045                 | 18090      | 79% | 11.5 | 2.0              |
| 60%                | 113°F                            | 16793                  | 13015      | 78% | 8.2  | 2.1              | 17922                 | 13944      | 78% | 8.5  | 2.1              | 20160                 | 15805      | 78% | 9.0  | 2.3              | 22882                 | 17962      | 79% | 9.7  | 2.4              |
|                    | 118°F                            | 16721                  | 12959      | 78% | 6.7  | 2.5              | 17845                 | 13884      | 78% | 6.9  | 2.6              | 20074                 | 15738      | 78% | 7.3  | 2.7              | 22784                 | 17885      | 79% | 7.9  | 2.9              |
|                    | -22°F                            | 8582                   | 6651       | 78% | 14.7 | 0.6              | 9159                  | 7126       | 78% | 15.1 | 0.6              | 10302                 | 8077       | 78% | 16.1 | 0.6              | 11693                 | 9179       | 79% | 17.3 | 0.7              |
|                    | -4°F                             | 9130                   | 7076       | 78% | 14.7 | 0.6              | 9743                  | 7580       | 78% | 15.1 | 0.6              | 10960                 | 8593       | 78% | 16.1 | 0.7              | 12440                 | 9765       | 79% | 17.3 | 0.7              |
|                    | 5°F                              | 9712                   | 7527       | 78% | 14.7 | 0.7              | 10365                 | 8064       | 78% | 15.1 | 0.7              | 11660                 | 9141       | 78% | 16.1 | 0.7              | 13234                 | 10388      | 79% | 17.3 | 0.8              |
|                    | 14°F                             | 10332                  | 8008       | 78% | 14.7 | 0.7              | 11027                 | 8579       | 78% | 15.1 | 0.7              | 12404                 | 9725       | 78% | 16.1 | 0.8              | 14078                 | 11052      | 79% | 17.3 | 0.8              |
|                    | 23°F                             | 10992                  | 8519       | 78% | 14.7 | 0.8              | 11731                 | 9127       | 78% | 15.1 | 0.8              | 13196                 | 10345      | 78% | 16.1 | 0.8              | 14977                 | 11757      | 79% | 17.3 | 0.9              |
|                    | 32°F                             | 11694                  | 9062       | 78% | 14.7 | 0.8              | 12480                 | 9709       | 78% | 15.1 | 0.8              | 14038                 | 11006      | 78% | 16.1 | 0.9              | 15933                 | 12507      | 79% | 17.3 | 0.9              |
|                    | 41°F                             | 12440                  | 9641       | 78% | 14.7 | 0.8              | 13276                 | 10329      | 78% | 15.1 | 0.9              | 14934                 | 11708      | 78% | 16.1 | 0.9              | 16950                 | 13306      | 79% | 17.3 | 1.0              |
|                    | 50°F                             | 13234                  | 10256      | 78% | 14.7 | 0.9              | 14124                 | 10988      | 78% | 15.1 | 0.9              | 15887                 | 12456      | 78% | 16.1 | 1.0              | 18032                 | 14155      | 79% | 17.3 | 1.0              |
|                    | 59°F                             | 14079                  | 10911      | 78% | 14.7 | 1.0              | 15025                 | 11690      | 78% | 15.1 | 1.0              | 16901                 | 13251      | 78% | 16.1 | 1.1              | 19183                 | 15059      | 79% | 17.3 | 1.1              |
|                    | 68°F                             | 14977                  | 11607      | 78% | 14.7 | 1.0              | 15984                 | 12436      | 78% | 15.1 | 1.1              | 17980                 | 14096      | 78% | 16.1 | 1.1              | 20407                 | 16020      | 79% | 17.3 | 1.2              |
|                    | 77°F                             | 14874                  | 11527      | 78% | 13.7 | 1.1              | 15874                 | 12350      | 78% | 14.1 | 1.1              | 17856                 | 13999      | 78% | 15.0 | 1.2              | 20267                 | 15909      | 79% | 16.2 | 1.3              |
|                    | 86°F                             | 14771                  | 11447      | 78% | 12.8 | 1.2              | 15764                 | 12264      | 78% | 13.2 | 1.2              | 17732                 | 13902      | 78% | 14.0 | 1.3              | 20126                 | 15799      | 79% | 15.1 | 1.3              |
|                    | 95°F                             | 14667                  | 11367      | 78% | 11.9 | 1.2              | 15654                 | 12178      | 78% | 12.3 | 1.3              | 17608                 | 13805      | 78% | 13.1 | 1.3              | 19985                 | 15688      | 79% | 14.1 | 1.4              |
|                    | 104°F                            | 14564                  | 11287      | 78% | 9.7  | 1.5              | 15543                 | 12093      | 78% | 10.0 | 1.6              | 17484                 | 13707      | 78% | 10.6 | 1.6              | 19844                 | 15578      | 79% | 11.4 | 1.7              |
|                    | 113°F                            | 14461                  | 11207      | 78% | 8.1  | 1.8              | 15433                 | 12007      | 78% | 8.4  | 1.8              | 17360                 | 13610      | 78% | 8.9  | 2.0              | 19704                 | 15467      | 79% | 9.6  | 2.1              |
|                    | 118°F                            | 14399                  | 11159      | 78% | 6.7  | 2.2              | 15367                 | 11955      | 78% | 6.9  | 2.2              | 17286                 | 13552      | 78% | 7.3  | 2.4              | 19619                 | 15401      | 79% | 7.9  | 2.5              |



## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (KBtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 50%                | -22°F                            | 7198                   | 5578       | 78% | 14.5 | 0.5              | 7682                  | 5976       | 78% | 15.0 | 0.5              | 8641                  | 6774       | 78% | 15.9 | 0.5              | 9807                  | 7699       | 79% | 17.2 | 0.6              |
|                    | -4°F                             | 7657                   | 6277       | 82% | 14.5 | 0.5              | 8172                  | 6358       | 78% | 15.0 | 0.5              | 9192                  | 7207       | 78% | 15.9 | 0.6              | 10433                 | 8190       | 79% | 17.2 | 0.6              |
|                    | 5°F                              | 8146                   | 6677       | 82% | 14.5 | 0.6              | 8694                  | 6764       | 78% | 15.0 | 0.6              | 9779                  | 7667       | 78% | 15.9 | 0.6              | 11099                 | 8713       | 79% | 17.2 | 0.6              |
|                    | 14°F                             | 8666                   | 7104       | 82% | 14.5 | 0.6              | 9248                  | 7195       | 78% | 15.0 | 0.6              | 10403                 | 8156       | 78% | 15.9 | 0.7              | 11808                 | 9269       | 79% | 17.2 | 0.7              |
|                    | 23°F                             | 9219                   | 7557       | 82% | 14.5 | 0.6              | 9839                  | 7655       | 78% | 15.0 | 0.7              | 11067                 | 8677       | 78% | 15.9 | 0.7              | 12561                 | 9861       | 79% | 17.2 | 0.7              |
|                    | 32°F                             | 9807                   | 8039       | 82% | 14.5 | 0.7              | 10467                 | 8143       | 78% | 15.0 | 0.7              | 11774                 | 9231       | 78% | 15.9 | 0.7              | 13363                 | 10490      | 79% | 17.2 | 0.8              |
|                    | 41°F                             | 10433                  | 8552       | 82% | 14.5 | 0.7              | 11135                 | 8663       | 78% | 15.0 | 0.7              | 12525                 | 9820       | 78% | 15.9 | 0.8              | 14216                 | 11160      | 79% | 17.2 | 0.8              |
|                    | 50°F                             | 11099                  | 9098       | 82% | 14.5 | 0.8              | 11846                 | 9216       | 78% | 15.0 | 0.8              | 13325                 | 10447      | 78% | 15.9 | 0.8              | 15124                 | 11872      | 79% | 17.2 | 0.9              |
|                    | 59°F                             | 11808                  | 9679       | 82% | 14.5 | 0.8              | 12602                 | 9804       | 78% | 15.0 | 0.8              | 14175                 | 11113      | 78% | 15.9 | 0.9              | 16089                 | 12630      | 79% | 17.2 | 0.9              |
|                    | 68°F                             | 12562                  | 10297      | 82% | 14.5 | 0.9              | 13406                 | 10430      | 78% | 15.0 | 0.9              | 15080                 | 11823      | 78% | 15.9 | 0.9              | 17116                 | 13436      | 79% | 17.2 | 1.0              |
|                    | 77°F                             | 12475                  | 10226      | 82% | 13.6 | 0.9              | 13314                 | 10358      | 78% | 14.0 | 1.0              | 14976                 | 11741      | 78% | 14.9 | 1.0              | 16998                 | 13343      | 79% | 16.0 | 1.1              |
|                    | 86°F                             | 12388                  | 10155      | 82% | 12.7 | 1.0              | 13221                 | 10286      | 78% | 13.1 | 1.0              | 14872                 | 11660      | 78% | 13.9 | 1.1              | 16880                 | 13251      | 79% | 15.0 | 1.1              |
|                    | 95°F                             | 12302                  | 10084      | 82% | 11.8 | 1.0              | 13129                 | 10214      | 78% | 12.2 | 1.1              | 14768                 | 11578      | 78% | 12.9 | 1.1              | 16762                 | 13158      | 79% | 14.0 | 1.2              |
|                    | 104°F                            | 12215                  | 10013      | 82% | 9.6  | 1.3              | 13036                 | 10142      | 78% | 9.9  | 1.3              | 14664                 | 11497      | 78% | 10.5 | 1.4              | 16644                 | 13065      | 79% | 11.3 | 1.5              |
|                    | 113°F                            | 12128                  | 9942       | 82% | 8.1  | 1.5              | 12944                 | 10070      | 78% | 8.3  | 1.6              | 14560                 | 11415      | 78% | 8.8  | 1.7              | 16526                 | 12973      | 79% | 9.5  | 1.7              |
|                    | 118°F                            | 12077                  | 9899       | 82% | 6.6  | 1.8              | 12888                 | 10027      | 78% | 6.8  | 1.9              | 14498                 | 11366      | 78% | 7.2  | 2.0              | 16455                 | 12917      | 79% | 7.8  | 2.1              |



# EXTENDED RATINGS

MUL30HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 135%               | -22°F                       | -22.5°F | 22600                  | 1.8      | 3.7              | 22306      | 1.7      | 4                | 21741      | 1.6      | 3.9              |
|                    | -5°F                        | -6°F    | 25240                  | 2.0      | 3.7              | 24912      | 1.9      | 4                | 24281      | 1.8      | 3.9              |
|                    | 0°F                         | -1°F    | 26120                  | 2.0      | 3.8              | 25780      | 2.0      | 4                | 25127      | 1.9      | 3.9              |
|                    | 5°F                         | 3°F     | 27000                  | 2.1      | 3.8              | 26649      | 2.0      | 4                | 25974      | 1.9      | 3.9              |
|                    | 7°F                         | 5°F     | 27214                  | 2.2      | 3.7              | 26861      | 2.1      | 4                | 26180      | 2.0      | 3.8              |
|                    | 17°F                        | 15°F    | 28500                  | 2.8      | 3.0              | 28130      | 2.7      | 3                | 27417      | 2.5      | 3.2              |
|                    | 28°F                        | 26°F    | 29063                  | 3.2      | 2.7              | 28685      | 3.1      | 3                | 27958      | 2.9      | 2.8              |
|                    | 38°F                        | 35°F    | 29531                  | 3.6      | 2.4              | 29147      | 3.5      | 2                | 28409      | 3.3      | 2.5              |
|                    | 47°F                        | 43°F    | 30000                  | 4.2      | 2.1              | 29610      | 4.0      | 2                | 28860      | 3.9      | 2.2              |
|                    | 57°F                        | 52°F    | 30900                  | 4.5      | 2.0              | 30498      | 4.4      | 2                | 29726      | 4.2      | 2.1              |
|                    | 68°F                        | 63°F    | 32100                  | 4.8      | 2.0              | 31683      | 4.6      | 2                | 30880      | 4.4      | 2.1              |
| 120%               | 77°F                        | 71°F    | 33000                  | 5.0      | 1.9              | 32571      | 4.8      | 2                | 31746      | 4.6      | 2.0              |
|                    | -22°F                       | -22.5°F | 22600                  | 1.8      | 3.7              | 22306      | 1.7      | 4                | 21741      | 1.6      | 3.9              |
|                    | -5°F                        | -6°F    | 25240                  | 2.0      | 3.7              | 24912      | 1.9      | 4                | 24281      | 1.8      | 3.9              |
|                    | 0°F                         | -1°F    | 26120                  | 2.0      | 3.8              | 25780      | 2.0      | 4                | 25127      | 1.9      | 3.9              |
|                    | 5°F                         | 3°F     | 27000                  | 2.1      | 3.8              | 26649      | 2.0      | 4                | 25974      | 1.9      | 3.9              |
|                    | 7°F                         | 5°F     | 27214                  | 2.2      | 3.7              | 26861      | 2.1      | 4                | 26180      | 2.0      | 3.8              |
|                    | 17°F                        | 15°F    | 28500                  | 2.8      | 3.0              | 28130      | 2.7      | 3                | 27417      | 2.5      | 3.2              |
|                    | 28°F                        | 26°F    | 29063                  | 3.2      | 2.7              | 28685      | 3.1      | 3                | 27958      | 2.9      | 2.8              |
|                    | 38°F                        | 35°F    | 29531                  | 3.6      | 2.4              | 29147      | 3.5      | 2                | 28409      | 3.3      | 2.5              |
|                    | 47°F                        | 43°F    | 30000                  | 4.2      | 2.1              | 29610      | 4.0      | 2                | 28860      | 3.9      | 2.2              |
|                    | 57°F                        | 52°F    | 30900                  | 4.5      | 2.0              | 30498      | 4.4      | 2                | 29726      | 4.2      | 2.1              |
|                    | 68°F                        | 63°F    | 32100                  | 4.8      | 2.0              | 31683      | 4.6      | 2                | 30880      | 4.4      | 2.1              |
|                    | 77°F                        | 71°F    | 33000                  | 5.0      | 1.9              | 32571      | 4.8      | 2                | 31746      | 4.6      | 2.0              |



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# EXTENDED RATINGS

MUL30HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 110%               | -22°F                       | -22.5°F | 22600                  | 1.8      | 3.7              | 22306      | 1.7      | 3.8              | 21741      | 1.6      | 3.9              |
|                    | -5°F                        | -6°F    | 25240                  | 2.0      | 3.7              | 24912      | 1.9      | 3.8              | 24281      | 1.8      | 3.9              |
|                    | 0°F                         | -1°F    | 26120                  | 2.0      | 3.8              | 25780      | 2.0      | 3.8              | 25127      | 1.9      | 3.9              |
|                    | 5°F                         | 3°F     | 27000                  | 2.1      | 3.8              | 26649      | 2.0      | 3.8              | 25974      | 1.9      | 3.9              |
|                    | 7°F                         | 5°F     | 27214                  | 2.2      | 3.7              | 26861      | 2.1      | 3.7              | 26180      | 2.0      | 3.8              |
|                    | 17°F                        | 15°F    | 28500                  | 2.8      | 3.0              | 28130      | 2.7      | 3.1              | 27417      | 2.5      | 3.2              |
|                    | 28°F                        | 26°F    | 29063                  | 3.2      | 2.7              | 28685      | 3.1      | 2.7              | 27958      | 2.9      | 2.8              |
|                    | 38°F                        | 35°F    | 29531                  | 3.6      | 2.4              | 29147      | 3.5      | 2.4              | 28409      | 3.3      | 2.5              |
|                    | 47°F                        | 43°F    | 30000                  | 4.2      | 2.1              | 29610      | 4.0      | 2.1              | 28860      | 3.9      | 2.2              |
|                    | 57°F                        | 52°F    | 30900                  | 4.5      | 2.0              | 30498      | 4.4      | 2.1              | 29726      | 4.2      | 2.1              |
|                    | 68°F                        | 63°F    | 32100                  | 4.8      | 2.0              | 31683      | 4.6      | 2.0              | 30880      | 4.4      | 2.1              |
| 100%               | 77°F                        | 71°F    | 33000                  | 5.0      | 1.9              | 32571      | 4.8      | 2.0              | 31746      | 4.6      | 2.0              |
|                    | -22°F                       | -22.5°F | 22600                  | 1.8      | 3.7              | 22306      | 1.7      | 3.8              | 21741      | 1.6      | 3.9              |
|                    | -5°F                        | -6°F    | 25240                  | 2.0      | 3.7              | 24912      | 1.9      | 3.8              | 24281      | 1.8      | 3.9              |
|                    | 0°F                         | -1°F    | 26120                  | 2.0      | 3.8              | 25780      | 2.0      | 3.8              | 25127      | 1.9      | 3.9              |
|                    | 5°F                         | 3°F     | 27000                  | 2.1      | 3.8              | 26649      | 2.0      | 3.8              | 25974      | 1.9      | 3.9              |
|                    | 7°F                         | 5°F     | 27214                  | 2.2      | 3.7              | 26861      | 2.1      | 3.7              | 26180      | 2.0      | 3.8              |
|                    | 17°F                        | 15°F    | 28500                  | 2.8      | 3.0              | 28130      | 2.7      | 3.1              | 27417      | 2.5      | 3.2              |
|                    | 28°F                        | 26°F    | 29063                  | 3.2      | 2.7              | 28685      | 3.1      | 2.7              | 27958      | 2.9      | 2.8              |
|                    | 38°F                        | 35°F    | 29531                  | 3.6      | 2.4              | 29147      | 3.5      | 2.4              | 28409      | 3.3      | 2.5              |
|                    | 47°F                        | 43°F    | 30000                  | 4.2      | 2.1              | 29610      | 4.0      | 2.1              | 28860      | 3.9      | 2.2              |
|                    | 57°F                        | 52°F    | 30900                  | 4.5      | 2.0              | 30498      | 4.4      | 2.1              | 29726      | 4.2      | 2.1              |
|                    | 68°F                        | 63°F    | 32100                  | 4.8      | 2.0              | 31683      | 4.6      | 2.0              | 30880      | 4.4      | 2.1              |
|                    | 77°F                        | 71°F    | 33000                  | 5.0      | 1.9              | 32571      | 4.8      | 2.0              | 31746      | 4.6      | 2.0              |



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# EXTENDED RATINGS

MUL30HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 90%                | -22°F                       | -22.5°F | 21470                  | 1.8      | 4                | 21191      | 1.7      | 4                | 20654      | 1.6      | 4                |
|                    | -5°F                        | -6°F    | 23978                  | 2.0      | 4                | 23666      | 1.9      | 4                | 23067      | 1.8      | 4                |
|                    | 0°F                         | -1°F    | 24814                  | 2.0      | 4                | 24491      | 2.0      | 4                | 23871      | 1.9      | 4                |
|                    | 5°F                         | 3°F     | 25650                  | 2.1      | 4                | 25317      | 2.0      | 4                | 24675      | 1.9      | 4                |
|                    | 7°F                         | 5°F     | 25854                  | 2.2      | 4                | 25517      | 2.1      | 4                | 24871      | 2.0      | 4                |
|                    | 17°F                        | 15°F    | 27075                  | 2.7      | 3                | 26723      | 2.6      | 3                | 26046      | 2.5      | 3                |
|                    | 28°F                        | 26°F    | 27609                  | 3.2      | 3                | 27250      | 3.0      | 3                | 26560      | 2.9      | 3                |
|                    | 38°F                        | 35°F    | 28055                  | 3.6      | 2                | 27690      | 3.5      | 2                | 26989      | 3.3      | 2                |
|                    | 47°F                        | 43°F    | 28500                  | 4.1      | 2                | 28130      | 4.0      | 2                | 27417      | 3.8      | 2                |
|                    | 57°F                        | 52°F    | 29355                  | 4.5      | 2                | 28973      | 4.3      | 2                | 28240      | 4.1      | 2                |
|                    | 68°F                        | 63°F    | 30495                  | 4.7      | 2                | 30099      | 4.6      | 2                | 29336      | 4.3      | 2                |
|                    | 77°F                        | 71°F    | 31350                  | 5.0      | 2                | 30942      | 4.8      | 2                | 30159      | 4.6      | 2                |
| 80%                | -22°F                       | -22.5°F | 18532                  | 1.7      | 3                | 18291      | 1.7      | 3                | 17828      | 1.6      | 3                |
|                    | -5°F                        | -6°F    | 20697                  | 1.9      | 3                | 20428      | 1.8      | 3                | 19910      | 1.8      | 3                |
|                    | 0°F                         | -1°F    | 21418                  | 2.0      | 3                | 21140      | 1.9      | 3                | 20605      | 1.8      | 3                |
|                    | 5°F                         | 3°F     | 22140                  | 2.0      | 3                | 21852      | 2.0      | 3                | 21299      | 1.9      | 3                |
|                    | 7°F                         | 5°F     | 22316                  | 2.1      | 3                | 22026      | 2.0      | 3                | 21468      | 1.9      | 3                |
|                    | 17°F                        | 15°F    | 23370                  | 2.7      | 3                | 23066      | 2.6      | 3                | 22482      | 2.5      | 3                |
|                    | 28°F                        | 26°F    | 23831                  | 3.1      | 2                | 23521      | 3.0      | 2                | 22926      | 2.8      | 2                |
|                    | 38°F                        | 35°F    | 24216                  | 3.5      | 2                | 23901      | 3.4      | 2                | 23295      | 3.2      | 2                |
|                    | 47°F                        | 43°F    | 24600                  | 4.0      | 2                | 24280      | 3.9      | 2                | 23665      | 3.7      | 2                |
|                    | 57°F                        | 52°F    | 25338                  | 4.4      | 2                | 25009      | 4.2      | 2                | 24375      | 4.0      | 2                |
|                    | 68°F                        | 63°F    | 26322                  | 4.6      | 2                | 25980      | 4.4      | 2                | 25322      | 4.2      | 2                |
|                    | 77°F                        | 71°F    | 27060                  | 4.8      | 2                | 26708      | 4.7      | 2                | 26032      | 4.5      | 2                |



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## EXTENDED RATINGS

MUL30HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 70%                | -22°F                       | -22.5°F | 16272                  | 1.7      | 2.8              | 16060      | 1.7      | 3                | 15654      | 1.6      | 2.9              |
|                    | -5°F                        | -6°F    | 18173                  | 1.9      | 2.8              | 17937      | 1.8      | 3                | 17482      | 1.7      | 2.9              |
|                    | 0°F                         | -1°F    | 18806                  | 2.0      | 2.8              | 18562      | 1.9      | 3                | 18092      | 1.8      | 2.9              |
|                    | 5°F                         | 3°F     | 19440                  | 2.0      | 2.8              | 19187      | 2.0      | 3                | 18701      | 1.9      | 3.0              |
|                    | 7°F                         | 5°F     | 19594                  | 2.1      | 2.7              | 19340      | 2.0      | 3                | 18850      | 1.9      | 2.9              |
|                    | 17°F                        | 15°F    | 20520                  | 2.7      | 2.3              | 20253      | 2.6      | 2                | 19740      | 2.4      | 2.4              |
|                    | 28°F                        | 26°F    | 20925                  | 3.1      | 2.0              | 20653      | 3.0      | 2                | 20130      | 2.8      | 2.1              |
|                    | 38°F                        | 35°F    | 21263                  | 3.5      | 1.8              | 20986      | 3.4      | 2                | 20455      | 3.2      | 1.9              |
|                    | 47°F                        | 43°F    | 21600                  | 4.0      | 1.6              | 21319      | 3.9      | 2                | 20779      | 3.7      | 1.6              |
|                    | 57°F                        | 52°F    | 22248                  | 4.3      | 1.5              | 21959      | 4.2      | 2                | 21403      | 4.0      | 1.6              |
|                    | 68°F                        | 63°F    | 23112                  | 4.6      | 1.5              | 22812      | 4.4      | 2                | 22234      | 4.2      | 1.5              |
|                    | 77°F                        | 71°F    | 23760                  | 4.8      | 1.4              | 23451      | 4.7      | 1                | 22857      | 4.4      | 1.5              |
| 60%                | -22°F                       | -22.5°F | 14012                  | 1.7      | 2.4              | 13830      | 1.6      | 2                | 13480      | 1.6      | 2.5              |
|                    | -5°F                        | -6°F    | 15649                  | 1.9      | 2.4              | 15445      | 1.8      | 2                | 15054      | 1.7      | 2.5              |
|                    | 0°F                         | -1°F    | 16194                  | 1.9      | 2.4              | 15984      | 1.9      | 2                | 15579      | 1.8      | 2.6              |
|                    | 5°F                         | 3°F     | 16740                  | 2.0      | 2.4              | 16522      | 1.9      | 3                | 16104      | 1.9      | 2.6              |
|                    | 7°F                         | 5°F     | 16873                  | 2.1      | 2.4              | 16654      | 2.0      | 2                | 16232      | 1.9      | 2.5              |
|                    | 17°F                        | 15°F    | 17670                  | 2.6      | 2.0              | 17440      | 2.6      | 2                | 16999      | 2.4      | 2.1              |
|                    | 28°F                        | 26°F    | 18019                  | 3.0      | 1.7              | 17785      | 2.9      | 2                | 17334      | 2.8      | 1.8              |
|                    | 38°F                        | 35°F    | 18309                  | 3.5      | 1.6              | 18071      | 3.3      | 2                | 17614      | 3.2      | 1.6              |
|                    | 47°F                        | 43°F    | 18600                  | 4.0      | 1.4              | 18358      | 3.9      | 1                | 17893      | 3.7      | 1.4              |
|                    | 57°F                        | 52°F    | 19158                  | 4.3      | 1.3              | 18909      | 4.2      | 1                | 18430      | 4.0      | 1.4              |
|                    | 68°F                        | 63°F    | 19902                  | 4.6      | 1.3              | 19643      | 4.4      | 1                | 19146      | 4.2      | 1.3              |
|                    | 77°F                        | 71°F    | 20460                  | 4.8      | 1.3              | 20194      | 4.6      | 1                | 19683      | 4.4      | 1.3              |


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# EXTENDED RATINGS

MUL30HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 50%                | -22°F                       | -22.5°F | 11752                  | 1.7      | 2.0              | 11599      | 1.6      | 2.1              | 11305      | 1.6      | 2.1              |
|                    | -5°F                        | -6°F    | 13125                  | 1.9      | 2.1              | 12954      | 1.8      | 2.1              | 12626      | 1.7      | 2.2              |
|                    | 0°F                         | -1°F    | 13582                  | 1.9      | 2.1              | 13406      | 1.9      | 2.1              | 13066      | 1.8      | 2.2              |
|                    | 5°F                         | 3°F     | 14040                  | 2.0      | 2.1              | 13857      | 1.9      | 2.1              | 13506      | 1.8      | 2.2              |
|                    | 7°F                         | 5°F     | 14151                  | 2.1      | 2.0              | 13967      | 2.0      | 2.1              | 13614      | 1.9      | 2.1              |
|                    | 17°F                        | 15°F    | 14820                  | 2.6      | 1.7              | 14627      | 2.5      | 1.7              | 14257      | 2.4      | 1.7              |
|                    | 28°F                        | 26°F    | 15113                  | 3.0      | 1.5              | 14916      | 2.9      | 1.5              | 14538      | 2.8      | 1.5              |
|                    | 38°F                        | 35°F    | 15356                  | 3.4      | 1.3              | 15157      | 3.3      | 1.3              | 14773      | 3.2      | 1.4              |
|                    | 47°F                        | 43°F    | 15600                  | 4.0      | 1.2              | 15397      | 3.8      | 1.2              | 15007      | 3.6      | 1.2              |
|                    | 57°F                        | 52°F    | 16068                  | 4.3      | 1.1              | 15859      | 4.1      | 1.1              | 15457      | 3.9      | 1.2              |
|                    | 68°F                        | 63°F    | 16692                  | 4.5      | 1.1              | 16475      | 4.4      | 1.1              | 16058      | 4.2      | 1.1              |
|                    | 77°F                        | 71°F    | 17160                  | 4.7      | 1.1              | 16937      | 4.6      | 1.1              | 16508      | 4.4      | 1.1              |



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## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 135%               | -22°F                            | 19760                  | 15314      | 78% | 15.2 | 1.3              | 21089                 | 16407      | 78% | 15.7 | 1.3              | 23722                 | 18598      | 78% | 16.6 | 1.4              | 26924                 | 21136      | 79% | 17.9 | 1.5              |
|                    | -4°F                             | 21022                  | 16292      | 78% | 15.2 | 1.4              | 22435                 | 17454      | 78% | 15.7 | 1.4              | 25236                 | 19785      | 78% | 16.6 | 1.5              | 28643                 | 22485      | 79% | 17.9 | 1.6              |
|                    | 5°F                              | 22364                  | 17332      | 78% | 15.2 | 1.5              | 23867                 | 18568      | 78% | 15.7 | 1.5              | 26847                 | 21048      | 78% | 16.6 | 1.6              | 30471                 | 23920      | 79% | 17.9 | 1.7              |
|                    | 14°F                             | 23791                  | 18438      | 78% | 15.2 | 1.6              | 25390                 | 19754      | 78% | 15.7 | 1.6              | 28561                 | 22392      | 78% | 16.6 | 1.7              | 32416                 | 25447      | 79% | 17.9 | 1.8              |
|                    | 23°F                             | 25310                  | 19615      | 78% | 15.2 | 1.7              | 27011                 | 21015      | 78% | 15.7 | 1.7              | 30384                 | 23821      | 78% | 16.6 | 1.8              | 34485                 | 27071      | 79% | 17.9 | 1.9              |
|                    | 32°F                             | 26925                  | 20867      | 78% | 15.2 | 1.8              | 28735                 | 22356      | 78% | 15.7 | 1.8              | 32323                 | 25341      | 78% | 16.6 | 1.9              | 36687                 | 28799      | 79% | 17.9 | 2.0              |
|                    | 41°F                             | 28644                  | 22199      | 78% | 15.2 | 1.9              | 30569                 | 23783      | 78% | 15.7 | 2.0              | 34386                 | 26959      | 78% | 16.6 | 2.1              | 39028                 | 30637      | 79% | 17.9 | 2.2              |
|                    | 50°F                             | 30472                  | 23616      | 78% | 15.2 | 2.0              | 32521                 | 25301      | 78% | 15.7 | 2.1              | 36581                 | 28680      | 78% | 16.6 | 2.2              | 41519                 | 32593      | 79% | 17.9 | 2.3              |
|                    | 59°F                             | 32417                  | 25123      | 78% | 15.2 | 2.1              | 34596                 | 26916      | 78% | 15.7 | 2.2              | 38916                 | 30510      | 78% | 16.6 | 2.3              | 44170                 | 34673      | 79% | 17.9 | 2.5              |
|                    | 68°F                             | 34486                  | 26727      | 78% | 15.2 | 2.3              | 36805                 | 28634      | 78% | 15.7 | 2.3              | 41400                 | 32458      | 78% | 16.6 | 2.5              | 46989                 | 36886      | 79% | 17.9 | 2.6              |
|                    | 77°F                             | 32987                  | 25565      | 78% | 13.6 | 2.4              | 35204                 | 27389      | 78% | 14.1 | 2.5              | 39600                 | 31046      | 78% | 14.9 | 2.7              | 44946                 | 35283      | 79% | 16.1 | 2.8              |
|                    | 86°F                             | 31487                  | 24403      | 78% | 12.2 | 2.6              | 33604                 | 26144      | 78% | 12.6 | 2.7              | 37800                 | 29635      | 78% | 13.4 | 2.8              | 42903                 | 33679      | 79% | 14.5 | 3.0              |
|                    | 95°F                             | 29988                  | 23241      | 78% | 11.0 | 2.7              | 32004                 | 24899      | 78% | 11.3 | 2.8              | 36000                 | 28224      | 78% | 12.0 | 3.0              | 40860                 | 32075      | 79% | 12.9 | 3.2              |
| 120%               | 104°F                            | 28489                  | 22079      | 78% | 9.2  | 3.1              | 30404                 | 23654      | 78% | 9.5  | 3.2              | 34200                 | 26813      | 78% | 10.1 | 3.4              | 38817                 | 30471      | 79% | 10.9 | 3.6              |
|                    | 113°F                            | 26989                  | 20917      | 78% | 7.8  | 3.5              | 28804                 | 22409      | 78% | 8.0  | 3.6              | 32400                 | 25402      | 78% | 8.5  | 3.8              | 36774                 | 28868      | 79% | 9.2  | 4.0              |
|                    | 118°F                            | 26090                  | 20219      | 78% | 6.8  | 3.8              | 27843                 | 21662      | 78% | 7.0  | 4.0              | 31320                 | 24555      | 78% | 7.5  | 4.2              | 35548                 | 27905      | 79% | 8.0  | 4.4              |
|                    | -22°F                            | 19760                  | 15314      | 78% | 15.2 | 1.3              | 21089                 | 16407      | 78% | 15.7 | 1.3              | 23722                 | 18598      | 78% | 16.6 | 1.4              | 26924                 | 21136      | 79% | 17.9 | 1.5              |
|                    | -4°F                             | 21022                  | 16292      | 78% | 15.2 | 1.4              | 22435                 | 17454      | 78% | 15.7 | 1.4              | 25236                 | 19785      | 78% | 16.6 | 1.5              | 28643                 | 22485      | 79% | 17.9 | 1.6              |
|                    | 5°F                              | 22364                  | 17332      | 78% | 15.2 | 1.5              | 23867                 | 18568      | 78% | 15.7 | 1.5              | 26847                 | 21048      | 78% | 16.6 | 1.6              | 30471                 | 23920      | 79% | 17.9 | 1.7              |
|                    | 14°F                             | 23791                  | 18438      | 78% | 15.2 | 1.6              | 25390                 | 19754      | 78% | 15.7 | 1.6              | 28561                 | 22392      | 78% | 16.6 | 1.7              | 32416                 | 25447      | 79% | 17.9 | 1.8              |
|                    | 23°F                             | 25310                  | 19615      | 78% | 15.2 | 1.7              | 27011                 | 21015      | 78% | 15.7 | 1.7              | 30384                 | 23821      | 78% | 16.6 | 1.8              | 34485                 | 27071      | 79% | 17.9 | 1.9              |
|                    | 32°F                             | 26925                  | 20867      | 78% | 15.2 | 1.8              | 28735                 | 22356      | 78% | 15.7 | 1.8              | 32323                 | 25341      | 78% | 16.6 | 1.9              | 36687                 | 28799      | 79% | 17.9 | 2.0              |
|                    | 41°F                             | 28644                  | 22199      | 78% | 15.2 | 1.9              | 30569                 | 23783      | 78% | 15.7 | 2.0              | 34386                 | 26959      | 78% | 16.6 | 2.1              | 39028                 | 30637      | 79% | 17.9 | 2.2              |
|                    | 50°F                             | 30472                  | 23616      | 78% | 15.2 | 2.0              | 32521                 | 25301      | 78% | 15.7 | 2.1              | 36581                 | 28680      | 78% | 16.6 | 2.2              | 41519                 | 32593      | 79% | 17.9 | 2.3              |
|                    | 59°F                             | 32417                  | 25123      | 78% | 15.2 | 2.1              | 34596                 | 26916      | 78% | 15.7 | 2.2              | 38916                 | 30510      | 78% | 16.6 | 2.3              | 44170                 | 34673      | 79% | 17.9 | 2.5              |
|                    | 68°F                             | 34486                  | 26727      | 78% | 15.2 | 2.3              | 36805                 | 28634      | 78% | 15.7 | 2.3              | 41400                 | 32458      | 78% | 16.6 | 2.5              | 46989                 | 36886      | 79% | 17.9 | 2.6              |
|                    | 77°F                             | 32987                  | 25565      | 78% | 13.6 | 2.4              | 35204                 | 27389      | 78% | 14.1 | 2.5              | 39600                 | 31046      | 78% | 14.9 | 2.7              | 44946                 | 35283      | 79% | 16.1 | 2.8              |
|                    | 86°F                             | 31487                  | 24403      | 78% | 12.2 | 2.6              | 33604                 | 26144      | 78% | 12.6 | 2.7              | 37800                 | 29635      | 78% | 13.4 | 2.8              | 42903                 | 33679      | 79% | 14.5 | 3.0              |
|                    | 95°F                             | 29988                  | 23241      | 78% | 11.0 | 2.7              | 32004                 | 24899      | 78% | 11.3 | 2.8              | 36000                 | 28224      | 78% | 12.0 | 3.0              | 40860                 | 32075      | 79% | 12.9 | 3.2              |
|                    | 104°F                            | 28489                  | 22079      | 78% | 9.2  | 3.1              | 30404                 | 23654      | 78% | 9.5  | 3.2              | 34200                 | 26813      | 78% | 10.1 | 3.4              | 38817                 | 30471      | 79% | 10.9 | 3.6              |
|                    | 113°F                            | 26989                  | 20917      | 78% | 7.8  | 3.5              | 28804                 | 22409      | 78% | 8.0  | 3.6              | 32400                 | 25402      | 78% | 8.5  | 3.8              | 36774                 | 28868      | 79% | 9.2  | 4.0              |
|                    | 118°F                            | 26090                  | 20219      | 78% | 6.8  | 3.8              | 27843                 | 21662      | 78% | 7.0  | 4.0              | 31320                 | 24555      | 78% | 7.5  | 4.2              | 35548                 | 27905      | 79% | 8.0  | 4.4              |



## EXTENDED RATINGS

## MUL36HPJ132OA

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 110%               | -22°F                            | 19760                  | 15314      | 78% | 15.2 | 1.3              | 21089                 | 16407      | 78% | 15.7 | 1.3              | 23722                 | 18598      | 78% | 16.6 | 1.4              | 26924                 | 21136      | 79% | 17.9 | 1.5              |
|                    | -4°F                             | 21022                  | 16292      | 78% | 15.2 | 1.4              | 22435                 | 17454      | 78% | 15.7 | 1.4              | 25236                 | 19785      | 78% | 16.6 | 1.5              | 28643                 | 22485      | 79% | 17.9 | 1.6              |
|                    | 5°F                              | 22364                  | 17332      | 78% | 15.2 | 1.5              | 23867                 | 18568      | 78% | 15.7 | 1.5              | 26847                 | 21048      | 78% | 16.6 | 1.6              | 30471                 | 23920      | 79% | 17.9 | 1.7              |
|                    | 14°F                             | 23791                  | 18438      | 78% | 15.2 | 1.6              | 25390                 | 19754      | 78% | 15.7 | 1.6              | 28561                 | 22392      | 78% | 16.6 | 1.7              | 32416                 | 25447      | 79% | 17.9 | 1.8              |
|                    | 23°F                             | 25310                  | 19615      | 78% | 15.2 | 1.7              | 27011                 | 21015      | 78% | 15.7 | 1.7              | 30384                 | 23821      | 78% | 16.6 | 1.8              | 34485                 | 27071      | 79% | 17.9 | 1.9              |
|                    | 32°F                             | 26925                  | 20867      | 78% | 15.2 | 1.8              | 28735                 | 22356      | 78% | 15.7 | 1.8              | 32323                 | 25341      | 78% | 16.6 | 1.9              | 36687                 | 28799      | 79% | 17.9 | 2.0              |
|                    | 41°F                             | 28644                  | 22199      | 78% | 15.2 | 1.9              | 30569                 | 23783      | 78% | 15.7 | 2.0              | 34386                 | 26959      | 78% | 16.6 | 2.1              | 39028                 | 30637      | 79% | 17.9 | 2.2              |
|                    | 50°F                             | 30472                  | 23616      | 78% | 15.2 | 2.0              | 32521                 | 25301      | 78% | 15.7 | 2.1              | 36581                 | 28680      | 78% | 16.6 | 2.2              | 41519                 | 32593      | 79% | 17.9 | 2.3              |
|                    | 59°F                             | 32417                  | 25123      | 78% | 15.2 | 2.1              | 34596                 | 26916      | 78% | 15.7 | 2.2              | 38916                 | 30510      | 78% | 16.6 | 2.3              | 44170                 | 34673      | 79% | 17.9 | 2.5              |
|                    | 68°F                             | 34486                  | 26727      | 78% | 15.2 | 2.3              | 36805                 | 28634      | 78% | 15.7 | 2.3              | 41400                 | 32458      | 78% | 16.6 | 2.5              | 46989                 | 36886      | 79% | 17.9 | 2.6              |
|                    | 77°F                             | 32987                  | 25565      | 78% | 13.6 | 2.4              | 35204                 | 27389      | 78% | 14.1 | 2.5              | 39600                 | 31046      | 78% | 14.9 | 2.7              | 44946                 | 35283      | 79% | 16.1 | 2.8              |
|                    | 86°F                             | 31487                  | 24403      | 78% | 12.2 | 2.6              | 33604                 | 26144      | 78% | 12.6 | 2.7              | 37800                 | 29635      | 78% | 13.4 | 2.8              | 42903                 | 33679      | 79% | 14.5 | 3.0              |
|                    | 95°F                             | 29988                  | 23241      | 78% | 11.0 | 2.7              | 32004                 | 24899      | 78% | 11.3 | 2.8              | 36000                 | 28224      | 78% | 12.0 | 3.0              | 40860                 | 32075      | 79% | 12.9 | 3.2              |
|                    | 104°F                            | 28489                  | 22079      | 78% | 9.2  | 3.1              | 30404                 | 23654      | 78% | 9.5  | 3.2              | 34200                 | 26813      | 78% | 10.1 | 3.4              | 38817                 | 30471      | 79% | 10.9 | 3.6              |
| 100%               | 113°F                            | 26989                  | 20917      | 78% | 7.8  | 3.5              | 28804                 | 22409      | 78% | 8.0  | 3.6              | 32400                 | 25402      | 78% | 8.5  | 3.8              | 36774                 | 28868      | 79% | 9.2  | 4.0              |
|                    | 118°F                            | 26090                  | 20219      | 78% | 6.8  | 3.8              | 27843                 | 21662      | 78% | 7.0  | 4.0              | 31320                 | 24555      | 78% | 7.5  | 4.2              | 35548                 | 27905      | 79% | 8.0  | 4.4              |
|                    | -22°F                            | 19760                  | 15314      | 78% | 15.2 | 1                | 21089                 | 16407      | 78% | 15.7 | 1                | 23722                 | 18598      | 78% | 16.6 | 1                | 26924                 | 21136      | 79% | 17.9 | 2                |
|                    | -4°F                             | 21022                  | 16292      | 78% | 15.2 | 1                | 22435                 | 17454      | 78% | 15.7 | 1                | 25236                 | 19785      | 78% | 16.6 | 2                | 28643                 | 22485      | 79% | 17.9 | 2                |
|                    | 5°F                              | 22364                  | 17332      | 78% | 15.2 | 1                | 23867                 | 18568      | 78% | 15.7 | 2                | 26847                 | 21048      | 78% | 16.6 | 2                | 30471                 | 23920      | 79% | 17.9 | 2                |
|                    | 14°F                             | 23791                  | 18438      | 78% | 15.2 | 2                | 25390                 | 19754      | 78% | 15.7 | 2                | 28561                 | 22392      | 78% | 16.6 | 2                | 32416                 | 25447      | 79% | 17.9 | 2                |
|                    | 23°F                             | 25310                  | 19615      | 78% | 15.2 | 2                | 27011                 | 21015      | 78% | 15.7 | 2                | 30384                 | 23821      | 78% | 16.6 | 2                | 34485                 | 27071      | 79% | 17.9 | 2                |
|                    | 32°F                             | 26925                  | 20867      | 78% | 15.2 | 2                | 28735                 | 22356      | 78% | 15.7 | 2                | 32323                 | 25341      | 78% | 16.6 | 2                | 36687                 | 28799      | 79% | 17.9 | 2                |
|                    | 41°F                             | 28644                  | 22199      | 78% | 15.2 | 2                | 30569                 | 23783      | 78% | 15.7 | 2                | 34386                 | 26959      | 78% | 16.6 | 2                | 39028                 | 30637      | 79% | 17.9 | 2                |
|                    | 50°F                             | 30472                  | 23616      | 78% | 15.2 | 2                | 32521                 | 25301      | 78% | 15.7 | 2                | 36581                 | 28680      | 78% | 16.6 | 2                | 41519                 | 32593      | 79% | 17.9 | 2                |
|                    | 59°F                             | 32417                  | 25123      | 78% | 15.2 | 2                | 34596                 | 26916      | 78% | 15.7 | 2                | 38916                 | 30510      | 78% | 16.6 | 2                | 44170                 | 34673      | 79% | 17.9 | 2                |
|                    | 68°F                             | 34486                  | 26727      | 78% | 15.2 | 2                | 36805                 | 28634      | 78% | 15.7 | 2                | 41400                 | 32458      | 78% | 16.6 | 2                | 46989                 | 36886      | 79% | 17.9 | 3                |
|                    | 77°F                             | 32987                  | 25565      | 78% | 13.6 | 2                | 35204                 | 27389      | 78% | 14.1 | 2                | 39600                 | 31046      | 78% | 14.9 | 3                | 44946                 | 35283      | 79% | 16.1 | 3                |
|                    | 86°F                             | 31487                  | 24403      | 78% | 12.2 | 3                | 33604                 | 26144      | 78% | 12.6 | 3                | 37800                 | 29635      | 78% | 13.4 | 3                | 42903                 | 33679      | 79% | 14.5 | 3                |
|                    | 95°F                             | 29988                  | 23241      | 78% | 11.0 | 3                | 32004                 | 24899      | 78% | 11.3 | 3                | 36000                 | 28224      | 78% | 12.0 | 3                | 40860                 | 32075      | 79% | 12.9 | 3                |
|                    | 104°F                            | 28489                  | 22079      | 78% | 9.2  | 3                | 30404                 | 23654      | 78% | 9.5  | 3                | 34200                 | 26813      | 78% | 10.1 | 3                | 38817                 | 30471      | 79% | 10.9 | 4                |
|                    | 113°F                            | 26989                  | 20917      | 78% | 7.8  | 3                | 28804                 | 22409      | 78% | 8.0  | 4                | 32400                 | 25402      | 78% | 8.5  | 4                | 36774                 | 28868      | 79% | 9.2  | 4                |
|                    | 118°F                            | 26090                  | 20219      | 78% | 6.8  | 4                | 27843                 | 21662      | 78% | 7.0  | 4                | 31320                 | 24555      | 78% | 7.5  | 4                | 35548                 | 27905      | 79% | 8.0  | 4                |


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## EXTENDED RATINGS

MUL36HPJ1320A

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 90%                | -22°F                            | 18575                  | 14395      | 78% | 15.0 | 1.2              | 19824                 | 15423      | 78% | 15.5 | 1.3              | 22299                 | 17482      | 78% | 16.4 | 1.4              | 25309                 | 19868      | 79% | 17.7 | 1.4              |
|                    | -4°F                             | 19760                  | 15314      | 78% | 15.0 | 1.3              | 21089                 | 16407      | 78% | 15.5 | 1.4              | 23722                 | 18598      | 78% | 16.4 | 1.4              | 26924                 | 21136      | 79% | 17.7 | 1.5              |
|                    | 5°F                              | 21022                  | 16292      | 78% | 15.0 | 1.4              | 22435                 | 17454      | 78% | 15.5 | 1.4              | 25236                 | 19785      | 78% | 16.4 | 1.5              | 28643                 | 22485      | 79% | 17.7 | 1.6              |
|                    | 14°F                             | 22364                  | 17332      | 78% | 15.0 | 1.5              | 23867                 | 18568      | 78% | 15.5 | 1.5              | 26847                 | 21048      | 78% | 16.4 | 1.6              | 30471                 | 23920      | 79% | 17.7 | 1.7              |
|                    | 23°F                             | 23791                  | 18438      | 78% | 15.0 | 1.6              | 25390                 | 19754      | 78% | 15.5 | 1.6              | 28561                 | 22392      | 78% | 16.4 | 1.7              | 32416                 | 25447      | 79% | 17.7 | 1.8              |
|                    | 32°F                             | 25310                  | 19615      | 78% | 15.0 | 1.7              | 27011                 | 21015      | 78% | 15.5 | 1.7              | 30384                 | 23821      | 78% | 16.4 | 1.8              | 34485                 | 27071      | 79% | 17.7 | 1.9              |
|                    | 41°F                             | 26925                  | 20867      | 78% | 15.0 | 1.8              | 28735                 | 22356      | 78% | 15.5 | 1.9              | 32323                 | 25341      | 78% | 16.4 | 2.0              | 36687                 | 28799      | 79% | 17.7 | 2.1              |
|                    | 50°F                             | 28644                  | 22199      | 78% | 15.0 | 1.9              | 30569                 | 23783      | 78% | 15.5 | 2.0              | 34386                 | 26959      | 78% | 16.4 | 2.1              | 39028                 | 30637      | 79% | 17.7 | 2.2              |
|                    | 59°F                             | 30472                  | 23616      | 78% | 15.0 | 2.0              | 32521                 | 25301      | 78% | 15.5 | 2.1              | 36581                 | 28680      | 78% | 16.4 | 2.2              | 41519                 | 32593      | 79% | 17.7 | 2.3              |
|                    | 68°F                             | 32417                  | 25123      | 78% | 15.0 | 2.2              | 34596                 | 26916      | 78% | 15.5 | 2.2              | 38916                 | 30510      | 78% | 16.4 | 2.4              | 44170                 | 34673      | 79% | 17.7 | 2.5              |
|                    | 77°F                             | 31008                  | 24031      | 78% | 13.5 | 2.3              | 33092                 | 25746      | 78% | 13.9 | 2.4              | 37224                 | 29184      | 78% | 14.8 | 2.5              | 42249                 | 33166      | 79% | 16.0 | 2.6              |
|                    | 86°F                             | 29598                  | 22939      | 78% | 12.1 | 2.4              | 31588                 | 24575      | 78% | 12.5 | 2.5              | 35532                 | 27857      | 78% | 13.3 | 2.7              | 40329                 | 31658      | 79% | 14.3 | 2.8              |
|                    | 95°F                             | 28189                  | 21846      | 78% | 10.9 | 2.6              | 30084                 | 23405      | 78% | 11.2 | 2.7              | 33840                 | 26531      | 78% | 11.9 | 2.9              | 38408                 | 30151      | 79% | 12.8 | 3.0              |
|                    | 104°F                            | 26779                  | 20754      | 78% | 9.1  | 2.9              | 28580                 | 22235      | 78% | 9.4  | 3.0              | 32148                 | 25204      | 78% | 10.0 | 3.2              | 36488                 | 28643      | 79% | 10.7 | 3.4              |
|                    | 113°F                            | 25370                  | 19662      | 78% | 7.7  | 3.3              | 27075                 | 21065      | 78% | 8.0  | 3.4              | 30456                 | 23878      | 78% | 8.4  | 3.6              | 34568                 | 27136      | 79% | 9.1  | 3.8              |
|                    | 118°F                            | 24524                  | 19006      | 78% | 6.7  | 3.6              | 26173                 | 20362      | 78% | 7.0  | 3.8              | 29441                 | 23082      | 78% | 7.4  | 4.0              | 33415                 | 26231      | 79% | 8.0  | 4.2              |
| 80%                | -22°F                            | 16204                  | 12558      | 78% | 14.6 | 1.1              | 17293                 | 13454      | 78% | 15.1 | 1.1              | 19452                 | 15250      | 78% | 16.0 | 1.2              | 22078                 | 17331      | 79% | 17.3 | 1.3              |
|                    | -4°F                             | 17238                  | 13359      | 78% | 14.6 | 1.2              | 18397                 | 14313      | 78% | 15.1 | 1.2              | 20694                 | 16224      | 78% | 16.0 | 1.3              | 23487                 | 18438      | 79% | 17.3 | 1.4              |
|                    | 5°F                              | 18338                  | 14212      | 78% | 14.6 | 1.3              | 19571                 | 15226      | 78% | 15.1 | 1.3              | 22015                 | 17259      | 78% | 16.0 | 1.4              | 24986                 | 19614      | 79% | 17.3 | 1.4              |
|                    | 14°F                             | 19509                  | 15119      | 78% | 14.6 | 1.3              | 20820                 | 16198      | 78% | 15.1 | 1.4              | 23420                 | 18361      | 78% | 16.0 | 1.5              | 26581                 | 20866      | 79% | 17.3 | 1.5              |
|                    | 23°F                             | 20754                  | 16084      | 78% | 14.6 | 1.4              | 22149                 | 17232      | 78% | 15.1 | 1.5              | 24915                 | 19533      | 78% | 16.0 | 1.6              | 28278                 | 22198      | 79% | 17.3 | 1.6              |
|                    | 32°F                             | 22079                  | 17111      | 78% | 14.6 | 1.5              | 23563                 | 18332      | 78% | 15.1 | 1.6              | 26505                 | 20780      | 78% | 16.0 | 1.7              | 30083                 | 23615      | 79% | 17.3 | 1.7              |
|                    | 41°F                             | 23488                  | 18203      | 78% | 14.6 | 1.6              | 25067                 | 19502      | 78% | 15.1 | 1.7              | 28197                 | 22106      | 78% | 16.0 | 1.8              | 32003                 | 25123      | 79% | 17.3 | 1.9              |
|                    | 50°F                             | 24987                  | 19365      | 78% | 14.6 | 1.7              | 26667                 | 20747      | 78% | 15.1 | 1.8              | 29996                 | 23517      | 78% | 16.0 | 1.9              | 34046                 | 26726      | 79% | 17.3 | 2.0              |
|                    | 59°F                             | 26582                  | 20601      | 78% | 14.6 | 1.8              | 28369                 | 22071      | 78% | 15.1 | 1.9              | 31911                 | 25018      | 78% | 16.0 | 2.0              | 36219                 | 28432      | 79% | 17.3 | 2.1              |
|                    | 68°F                             | 28279                  | 21916      | 78% | 14.6 | 1.9              | 30180                 | 23480      | 78% | 15.1 | 2.0              | 33948                 | 26615      | 78% | 16.0 | 2.1              | 38531                 | 30247      | 79% | 17.3 | 2.2              |
|                    | 77°F                             | 27049                  | 20963      | 78% | 13.2 | 2.1              | 28868                 | 22459      | 78% | 13.6 | 2.1              | 32472                 | 25458      | 78% | 14.4 | 2.3              | 36856                 | 28932      | 79% | 15.6 | 2.4              |
|                    | 86°F                             | 25820                  | 20010      | 78% | 11.8 | 2.2              | 27555                 | 21438      | 78% | 12.2 | 2.3              | 30996                 | 24301      | 78% | 12.9 | 2.4              | 35180                 | 27617      | 79% | 14.0 | 2.5              |
|                    | 95°F                             | 24590                  | 19057      | 78% | 10.6 | 2.3              | 26243                 | 20417      | 78% | 10.9 | 2.4              | 29520                 | 23144      | 78% | 11.6 | 2.6              | 33505                 | 26302      | 79% | 12.5 | 2.7              |
|                    | 104°F                            | 23361                  | 18105      | 78% | 8.9  | 2.6              | 24931                 | 19396      | 78% | 9.2  | 2.7              | 28044                 | 21986      | 78% | 9.7  | 2.9              | 31830                 | 24987      | 79% | 10.5 | 3.0              |
|                    | 113°F                            | 22131                  | 17152      | 78% | 7.5  | 2.9              | 23619                 | 18376      | 78% | 7.8  | 3.0              | 26568                 | 20829      | 78% | 8.2  | 3.2              | 30155                 | 23671      | 79% | 8.9  | 3.4              |
|                    | 118°F                            | 21393                  | 16580      | 78% | 6.6  | 3.3              | 22832                 | 17763      | 78% | 6.8  | 3.4              | 25682                 | 20135      | 78% | 7.2  | 3.6              | 29150                 | 22882      | 79% | 7.8  | 3.8              |


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## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (KBtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 70%                | -22°F                            | 14227                  | 11026      | 78% | 14.6 | 1.0              | 15184                 | 11813      | 78% | 15.0 | 1.0              | 17080                 | 13391      | 78% | 16.0 | 1.1              | 19386                 | 15218      | 79% | 17.2 | 1.1              |
|                    | -4°F                             | 15136                  | 11730      | 78% | 14.6 | 1.0              | 16153                 | 12567      | 78% | 15.0 | 1.1              | 18170                 | 14245      | 78% | 16.0 | 1.1              | 20623                 | 16189      | 79% | 17.2 | 1.2              |
|                    | 5°F                              | 16102                  | 12479      | 78% | 14.6 | 1.1              | 17184                 | 13369      | 78% | 15.0 | 1.1              | 19330                 | 15155      | 78% | 16.0 | 1.2              | 21939                 | 17222      | 79% | 17.2 | 1.3              |
|                    | 14°F                             | 17130                  | 13275      | 78% | 14.6 | 1.2              | 18281                 | 14223      | 78% | 15.0 | 1.2              | 20564                 | 16122      | 78% | 16.0 | 1.3              | 23340                 | 18322      | 79% | 17.2 | 1.4              |
|                    | 23°F                             | 18223                  | 14123      | 78% | 14.6 | 1.3              | 19448                 | 15131      | 78% | 15.0 | 1.3              | 21876                 | 17151      | 78% | 16.0 | 1.4              | 24829                 | 19491      | 79% | 17.2 | 1.4              |
|                    | 32°F                             | 19386                  | 15024      | 78% | 14.6 | 1.3              | 20689                 | 16096      | 78% | 15.0 | 1.4              | 23273                 | 18246      | 78% | 16.0 | 1.5              | 26414                 | 20735      | 79% | 17.2 | 1.5              |
|                    | 41°F                             | 20623                  | 15983      | 78% | 14.6 | 1.4              | 22010                 | 17124      | 78% | 15.0 | 1.5              | 24758                 | 19410      | 78% | 16.0 | 1.6              | 28100                 | 22059      | 79% | 17.2 | 1.6              |
|                    | 50°F                             | 21940                  | 17003      | 78% | 14.6 | 1.5              | 23415                 | 18217      | 78% | 15.0 | 1.6              | 26338                 | 20649      | 78% | 16.0 | 1.7              | 29894                 | 23467      | 79% | 17.2 | 1.7              |
|                    | 59°F                             | 23340                  | 18089      | 78% | 14.6 | 1.6              | 24909                 | 19379      | 78% | 15.0 | 1.7              | 28020                 | 21967      | 78% | 16.0 | 1.8              | 31802                 | 24965      | 79% | 17.2 | 1.8              |
|                    | 68°F                             | 24830                  | 19243      | 78% | 14.6 | 1.7              | 26499                 | 20616      | 78% | 15.0 | 1.8              | 29808                 | 23369      | 78% | 16.0 | 1.9              | 33832                 | 26558      | 79% | 17.2 | 2.0              |
|                    | 77°F                             | 23750                  | 18407      | 78% | 13.1 | 1.8              | 25347                 | 19720      | 78% | 13.5 | 1.9              | 28512                 | 22353      | 78% | 14.3 | 2.0              | 32361                 | 25403      | 79% | 15.5 | 2.1              |
|                    | 86°F                             | 22671                  | 17570      | 78% | 11.8 | 1.9              | 24195                 | 18824      | 78% | 12.1 | 2.0              | 27216                 | 21337      | 78% | 12.9 | 2.1              | 30890                 | 24249      | 79% | 13.9 | 2.2              |
|                    | 95°F                             | 21591                  | 16733      | 78% | 10.5 | 2.1              | 23043                 | 17927      | 78% | 10.9 | 2.1              | 25920                 | 20321      | 78% | 11.5 | 2.3              | 29419                 | 23094      | 79% | 12.4 | 2.4              |
|                    | 104°F                            | 20512                  | 15897      | 78% | 8.8  | 2.3              | 21891                 | 17031      | 78% | 9.1  | 2.4              | 24624                 | 19305      | 78% | 9.7  | 2.6              | 27948                 | 21939      | 79% | 10.4 | 2.7              |
| 60%                | 113°F                            | 19432                  | 15060      | 78% | 7.5  | 2.6              | 20739                 | 16135      | 78% | 7.7  | 2.7              | 23328                 | 18289      | 78% | 8.2  | 2.9              | 26477                 | 20785      | 79% | 8.8  | 3.0              |
|                    | 118°F                            | 18784                  | 14558      | 78% | 6.5  | 2.9              | 20047                 | 15597      | 78% | 6.8  | 3.0              | 22550                 | 17680      | 78% | 7.2  | 3.2              | 25595                 | 20092      | 79% | 7.7  | 3.3              |
|                    | -22°F                            | 12251                  | 9495       | 78% | 14.5 | 0.8              | 13075                 | 10172      | 78% | 14.9 | 0.9              | 14708                 | 11531      | 78% | 15.9 | 0.9              | 16693                 | 13104      | 79% | 17.1 | 1.0              |
|                    | -4°F                             | 13033                  | 10101      | 78% | 14.5 | 0.9              | 13910                 | 10822      | 78% | 14.9 | 0.9              | 15646                 | 12267      | 78% | 15.9 | 1.0              | 17759                 | 13941      | 79% | 17.1 | 1.0              |
|                    | 5°F                              | 13865                  | 10746      | 78% | 14.5 | 1.0              | 14798                 | 11512      | 78% | 14.9 | 1.0              | 16645                 | 13050      | 78% | 15.9 | 1.1              | 18892                 | 14830      | 79% | 17.1 | 1.1              |
|                    | 14°F                             | 14750                  | 11432      | 78% | 14.5 | 1.0              | 15742                 | 12247      | 78% | 14.9 | 1.1              | 17708                 | 13883      | 78% | 15.9 | 1.1              | 20098                 | 15777      | 79% | 17.1 | 1.2              |
|                    | 23°F                             | 15692                  | 12161      | 78% | 14.5 | 1.1              | 16747                 | 13029      | 78% | 14.9 | 1.1              | 18838                 | 14769      | 78% | 15.9 | 1.2              | 21381                 | 16784      | 79% | 17.1 | 1.3              |
|                    | 32°F                             | 16694                  | 12937      | 78% | 14.5 | 1.2              | 17816                 | 13861      | 78% | 14.9 | 1.2              | 20040                 | 15712      | 78% | 15.9 | 1.3              | 22746                 | 17855      | 79% | 17.1 | 1.3              |
|                    | 41°F                             | 17759                  | 13763      | 78% | 14.5 | 1.2              | 18953                 | 14745      | 78% | 14.9 | 1.3              | 21319                 | 16714      | 78% | 15.9 | 1.3              | 24198                 | 18995      | 79% | 17.1 | 1.4              |
|                    | 50°F                             | 18893                  | 14642      | 78% | 14.5 | 1.3              | 20163                 | 15687      | 78% | 14.9 | 1.4              | 22680                 | 17781      | 78% | 15.9 | 1.4              | 25742                 | 20208      | 79% | 17.1 | 1.5              |
|                    | 59°F                             | 20099                  | 15576      | 78% | 14.5 | 1.4              | 21450                 | 16688      | 78% | 14.9 | 1.4              | 24128                 | 18916      | 78% | 15.9 | 1.5              | 27385                 | 21497      | 79% | 17.1 | 1.6              |
|                    | 68°F                             | 21381                  | 16571      | 78% | 14.5 | 1.5              | 22819                 | 17753      | 78% | 14.9 | 1.5              | 25668                 | 20124      | 78% | 15.9 | 1.6              | 29133                 | 22870      | 79% | 17.1 | 1.7              |
|                    | 77°F                             | 20452                  | 15850      | 78% | 13.0 | 1.6              | 21827                 | 16981      | 78% | 13.4 | 1.6              | 24552                 | 19249      | 78% | 14.3 | 1.7              | 27867                 | 21875      | 79% | 15.4 | 1.8              |
|                    | 86°F                             | 19522                  | 15130      | 78% | 11.7 | 1.7              | 20835                 | 16209      | 78% | 12.1 | 1.7              | 23436                 | 18374      | 78% | 12.8 | 1.8              | 26600                 | 20881      | 79% | 13.8 | 1.9              |
|                    | 95°F                             | 18593                  | 14409      | 78% | 10.5 | 1.8              | 19842                 | 15437      | 78% | 10.8 | 1.8              | 22320                 | 17499      | 78% | 11.5 | 2.0              | 25333                 | 19887      | 79% | 12.4 | 2.1              |
|                    | 104°F                            | 17663                  | 13689      | 78% | 8.8  | 2.0              | 18850                 | 14666      | 78% | 9.1  | 2.1              | 21204                 | 16624      | 78% | 9.6  | 2.2              | 24067                 | 18892      | 79% | 10.4 | 2.3              |
|                    | 113°F                            | 16733                  | 12968      | 78% | 7.4  | 2.3              | 17858                 | 13894      | 78% | 7.7  | 2.3              | 20088                 | 15749      | 78% | 8.1  | 2.5              | 22800                 | 17898      | 79% | 8.8  | 2.6              |
|                    | 118°F                            | 16176                  | 12536      | 78% | 6.5  | 2.5              | 17263                 | 13431      | 78% | 6.7  | 2.6              | 19418                 | 15224      | 78% | 7.1  | 2.7              | 22040                 | 17301      | 79% | 7.7  | 2.9              |



## EXTENDED RATINGS

MUL36HPJ132OA

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 50%                | -22°F                            | 10275                  | 7963       | 78% | 14.4 | 0.7              | 10966                 | 8532       | 78% | 14.8 | 0.7              | 12335                 | 9671       | 78% | 15.7 | 0.8              | 14001                 | 10991      | 79% | 17.0 | 0.8              |
|                    | -4°F                             | 10931                  | 8472       | 78% | 14.4 | 0.8              | 11666                 | 9076       | 78% | 14.8 | 0.8              | 13123                 | 10288      | 78% | 15.7 | 0.8              | 14894                 | 11692      | 79% | 17.0 | 0.9              |
|                    | 5°F                              | 11629                  | 9013       | 78% | 14.4 | 0.8              | 12411                 | 9656       | 78% | 14.8 | 0.8              | 13960                 | 10945      | 78% | 15.7 | 0.9              | 15845                 | 12438      | 79% | 17.0 | 0.9              |
|                    | 14°F                             | 12371                  | 9588       | 78% | 14.4 | 0.9              | 13203                 | 10272      | 78% | 14.8 | 0.9              | 14852                 | 11644      | 78% | 15.7 | 0.9              | 16856                 | 13232      | 79% | 17.0 | 1.0              |
|                    | 23°F                             | 13161                  | 10200      | 78% | 14.4 | 0.9              | 14046                 | 10928      | 78% | 14.8 | 0.9              | 15799                 | 12387      | 78% | 15.7 | 1.0              | 17932                 | 14077      | 79% | 17.0 | 1.1              |
|                    | 32°F                             | 14001                  | 10851      | 78% | 14.4 | 1.0              | 14942                 | 11625      | 78% | 14.8 | 1.0              | 16808                 | 13177      | 78% | 15.7 | 1.1              | 19077                 | 14975      | 79% | 17.0 | 1.1              |
|                    | 41°F                             | 14895                  | 11543      | 78% | 14.4 | 1.0              | 15896                 | 12367      | 78% | 14.8 | 1.1              | 17881                 | 14019      | 78% | 15.7 | 1.1              | 20295                 | 15931      | 79% | 17.0 | 1.2              |
|                    | 50°F                             | 15845                  | 12280      | 78% | 14.4 | 1.1              | 16911                 | 13157      | 78% | 14.8 | 1.1              | 19022                 | 14913      | 78% | 15.7 | 1.2              | 21590                 | 16948      | 79% | 17.0 | 1.3              |
|                    | 59°F                             | 16857                  | 13064      | 78% | 14.4 | 1.2              | 17990                 | 13996      | 78% | 14.8 | 1.2              | 20236                 | 15865      | 78% | 15.7 | 1.3              | 22968                 | 18030      | 79% | 17.0 | 1.4              |
|                    | 68°F                             | 17933                  | 13898      | 78% | 14.4 | 1.3              | 19138                 | 14890      | 78% | 14.8 | 1.3              | 21528                 | 16878      | 78% | 15.7 | 1.4              | 24434                 | 19181      | 79% | 17.0 | 1.4              |
|                    | 77°F                             | 17153                  | 13294      | 78% | 12.9 | 1.3              | 18306                 | 14242      | 78% | 13.3 | 1.4              | 20592                 | 16144      | 78% | 14.1 | 1.5              | 23372                 | 18347      | 79% | 15.2 | 1.5              |
|                    | 86°F                             | 16373                  | 12689      | 78% | 11.6 | 1.4              | 17474                 | 13595      | 78% | 12.0 | 1.5              | 19656                 | 15410      | 78% | 12.7 | 1.6              | 22310                 | 17513      | 79% | 13.7 | 1.6              |
|                    | 95°F                             | 15594                  | 12085      | 78% | 10.4 | 1.5              | 16642                 | 12948      | 78% | 10.7 | 1.6              | 18720                 | 14676      | 78% | 11.4 | 1.7              | 21247                 | 16679      | 79% | 12.2 | 1.7              |
|                    | 104°F                            | 14814                  | 11481      | 78% | 8.7  | 1.7              | 15810                 | 12300      | 78% | 9.0  | 1.8              | 17784                 | 13943      | 78% | 9.5  | 1.9              | 20185                 | 15845      | 79% | 10.3 | 2.0              |
|                    | 113°F                            | 14034                  | 10877      | 78% | 7.4  | 1.9              | 14978                 | 11653      | 78% | 7.6  | 2.0              | 16848                 | 13209      | 78% | 8.1  | 2.1              | 19122                 | 15011      | 79% | 8.7  | 2.2              |
|                    | 118°F                            | 13567                  | 10514      | 78% | 6.4  | 2.1              | 14479                 | 11264      | 78% | 6.7  | 2.2              | 16286                 | 12769      | 78% | 7.1  | 2.3              | 18485                 | 14511      | 79% | 7.6  | 2.4              |


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## EXTENDED RATINGS

MUL36HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 135%               | -22°F                       | -22.5°F | 27000                  | 1.6      | 4.9              | 26649      | 1.6      | 5                | 25974      | 1.5      | 5.1              |
|                    | -5°F                        | -6°F    | 32400                  | 1.9      | 5.0              | 31979      | 1.8      | 5                | 31169      | 1.8      | 5.2              |
|                    | 0°F                         | -1°F    | 34200                  | 2.0      | 5.0              | 33755      | 1.9      | 5                | 32900      | 1.8      | 5.2              |
|                    | 5°F                         | 3°F     | 36000                  | 2.1      | 5.1              | 35532      | 2.0      | 5                | 34632      | 1.9      | 5.3              |
|                    | 7°F                         | 5°F     | 36000                  | 2.2      | 4.9              | 35532      | 2.1      | 5                | 34632      | 2.0      | 5.1              |
|                    | 17°F                        | 15°F    | 36000                  | 2.7      | 3.9              | 35532      | 2.6      | 4                | 34632      | 2.5      | 4.0              |
|                    | 28°F                        | 26°F    | 36000                  | 3.0      | 3.5              | 35532      | 2.9      | 4                | 34632      | 2.8      | 3.7              |
|                    | 38°F                        | 35°F    | 36000                  | 3.3      | 3.2              | 35532      | 3.1      | 3                | 34632      | 3.0      | 3.4              |
|                    | 47°F                        | 43°F    | 36000                  | 3.6      | 3.0              | 35532      | 3.4      | 3                | 34632      | 3.3      | 3.1              |
|                    | 57°F                        | 52°F    | 37080                  | 3.8      | 2.8              | 36598      | 3.7      | 3                | 35671      | 3.5      | 3.0              |
|                    | 68°F                        | 63°F    | 38520                  | 4.1      | 2.8              | 38019      | 3.9      | 3                | 37056      | 3.7      | 2.9              |
| 120%               | 77°F                        | 71°F    | 39600                  | 4.3      | 2.7              | 39085      | 4.1      | 3                | 38095      | 3.9      | 2.8              |
|                    | -22°F                       | -22.5°F | 27000                  | 1.6      | 4.9              | 26649      | 1.6      | 5                | 25974      | 1.5      | 5.1              |
|                    | -5°F                        | -6°F    | 32400                  | 1.9      | 5.0              | 31979      | 1.8      | 5                | 31169      | 1.8      | 5.2              |
|                    | 0°F                         | -1°F    | 34200                  | 2.0      | 5.0              | 33755      | 1.9      | 5                | 32900      | 1.8      | 5.2              |
|                    | 5°F                         | 3°F     | 36000                  | 2.1      | 5.1              | 35532      | 2.0      | 5                | 34632      | 1.9      | 5.3              |
|                    | 7°F                         | 5°F     | 36000                  | 2.2      | 4.9              | 35532      | 2.1      | 5                | 34632      | 2.0      | 5.1              |
|                    | 17°F                        | 15°F    | 36000                  | 2.7      | 3.9              | 35532      | 2.6      | 4                | 34632      | 2.5      | 4.0              |
|                    | 28°F                        | 26°F    | 36000                  | 3.0      | 3.5              | 35532      | 2.9      | 4                | 34632      | 2.8      | 3.7              |
|                    | 38°F                        | 35°F    | 36000                  | 3.3      | 3.2              | 35532      | 3.1      | 3                | 34632      | 3.0      | 3.4              |
|                    | 47°F                        | 43°F    | 36000                  | 3.6      | 3.0              | 35532      | 3.4      | 3                | 34632      | 3.3      | 3.1              |
|                    | 57°F                        | 52°F    | 37080                  | 3.8      | 2.8              | 36598      | 3.7      | 3                | 35671      | 3.5      | 3.0              |
|                    | 68°F                        | 63°F    | 38520                  | 4.1      | 2.8              | 38019      | 3.9      | 3                | 37056      | 3.7      | 2.9              |
|                    | 77°F                        | 71°F    | 39600                  | 4.3      | 2.7              | 39085      | 4.1      | 3                | 38095      | 3.9      | 2.8              |


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# EXTENDED RATINGS

MUL36HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 110%               | -22°F                       | -22.5°F | 27000                  | 1.6      | 4.9              | 26649      | 1.6      | 5.0              | 25974      | 1.5      | 5.1              |
|                    | -5°F                        | -6°F    | 32400                  | 1.9      | 5.0              | 31979      | 1.8      | 5.1              | 31169      | 1.8      | 5.2              |
|                    | 0°F                         | -1°F    | 34200                  | 2.0      | 5.0              | 33755      | 1.9      | 5.1              | 32900      | 1.8      | 5.2              |
|                    | 5°F                         | 3°F     | 36000                  | 2.1      | 5.1              | 35532      | 2.0      | 5.2              | 34632      | 1.9      | 5.3              |
|                    | 7°F                         | 5°F     | 36000                  | 2.2      | 4.9              | 35532      | 2.1      | 5.0              | 34632      | 2.0      | 5.1              |
|                    | 17°F                        | 15°F    | 36000                  | 2.7      | 3.9              | 35532      | 2.6      | 3.9              | 34632      | 2.5      | 4.0              |
|                    | 28°F                        | 26°F    | 36000                  | 3.0      | 3.5              | 35532      | 2.9      | 3.6              | 34632      | 2.8      | 3.7              |
|                    | 38°F                        | 35°F    | 36000                  | 3.3      | 3.2              | 35532      | 3.1      | 3.3              | 34632      | 3.0      | 3.4              |
|                    | 47°F                        | 43°F    | 36000                  | 3.6      | 3.0              | 35532      | 3.4      | 3.0              | 34632      | 3.3      | 3.1              |
|                    | 57°F                        | 52°F    | 37080                  | 3.8      | 2.8              | 36598      | 3.7      | 2.9              | 35671      | 3.5      | 3.0              |
|                    | 68°F                        | 63°F    | 38520                  | 4.1      | 2.8              | 38019      | 3.9      | 2.8              | 37056      | 3.7      | 2.9              |
|                    | 77°F                        | 71°F    | 39600                  | 4.3      | 2.7              | 39085      | 4.1      | 2.8              | 38095      | 3.9      | 2.8              |
| 100%               | -22°F                       | -22.5°F | 27000                  | 1.6      | 4.9              | 26649      | 1.6      | 5.0              | 25974      | 1.5      | 5.1              |
|                    | -5°F                        | -6°F    | 32400                  | 1.9      | 5.0              | 31979      | 1.8      | 5.1              | 31169      | 1.8      | 5.2              |
|                    | 0°F                         | -1°F    | 34200                  | 2.0      | 5.0              | 33755      | 1.9      | 5.1              | 32900      | 1.8      | 5.2              |
|                    | 5°F                         | 3°F     | 36000                  | 2.1      | 5.1              | 35532      | 2.0      | 5.2              | 34632      | 1.9      | 5.3              |
|                    | 7°F                         | 5°F     | 36000                  | 2.2      | 4.9              | 35532      | 2.1      | 5.0              | 34632      | 2.0      | 5.1              |
|                    | 17°F                        | 15°F    | 36000                  | 2.7      | 3.9              | 35532      | 2.6      | 3.9              | 34632      | 2.5      | 4.0              |
|                    | 28°F                        | 26°F    | 36000                  | 3.0      | 3.5              | 35532      | 2.9      | 3.6              | 34632      | 2.8      | 3.7              |
|                    | 38°F                        | 35°F    | 36000                  | 3.3      | 3.2              | 35532      | 3.1      | 3.3              | 34632      | 3.0      | 3.4              |
|                    | 47°F                        | 43°F    | 36000                  | 3.6      | 3.0              | 35532      | 3.4      | 3.0              | 34632      | 3.3      | 3.1              |
|                    | 57°F                        | 52°F    | 37080                  | 3.8      | 2.8              | 36598      | 3.7      | 2.9              | 35671      | 3.5      | 3.0              |
|                    | 68°F                        | 63°F    | 38520                  | 4.1      | 2.8              | 38019      | 3.9      | 2.8              | 37056      | 3.7      | 2.9              |
|                    | 77°F                        | 71°F    | 39600                  | 4.3      | 2.7              | 39085      | 4.1      | 2.8              | 38095      | 3.9      | 2.8              |



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# EXTENDED RATINGS

MUL36HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 90%                | -22°F                       | -22.5°F | 25650                  | 1.6      | 5                | 25317      | 1.6      | 5                | 24675      | 1.5      | 5                |
|                    | -5°F                        | -6°F    | 30780                  | 1.9      | 5                | 30380      | 1.8      | 5                | 29610      | 1.7      | 5                |
|                    | 0°F                         | -1°F    | 32490                  | 2.0      | 5                | 32068      | 1.9      | 5                | 31255      | 1.8      | 5                |
|                    | 5°F                         | 3°F     | 34200                  | 2.1      | 5                | 33755      | 2.0      | 5                | 32900      | 1.9      | 5                |
|                    | 7°F                         | 5°F     | 34200                  | 2.1      | 5                | 33755      | 2.1      | 5                | 32900      | 2.0      | 5                |
|                    | 17°F                        | 15°F    | 34200                  | 2.7      | 4                | 33755      | 2.6      | 4                | 32900      | 2.5      | 4                |
|                    | 28°F                        | 26°F    | 34200                  | 3.0      | 3                | 33755      | 2.9      | 3                | 32900      | 2.7      | 4                |
|                    | 38°F                        | 35°F    | 34200                  | 3.2      | 3                | 33755      | 3.1      | 3                | 32900      | 3.0      | 3                |
|                    | 47°F                        | 43°F    | 34200                  | 3.5      | 3                | 33755      | 3.4      | 3                | 32900      | 3.3      | 3                |
|                    | 57°F                        | 52°F    | 35226                  | 3.8      | 3                | 34768      | 3.7      | 3                | 33887      | 3.5      | 3                |
|                    | 68°F                        | 63°F    | 36594                  | 4.0      | 3                | 36118      | 3.9      | 3                | 35203      | 3.7      | 3                |
|                    | 77°F                        | 71°F    | 37620                  | 4.2      | 3                | 37131      | 4.1      | 3                | 36190      | 3.9      | 3                |
| 80%                | -22°F                       | -22.5°F | 22410                  | 1.6      | 4                | 22119      | 1.5      | 4                | 21558      | 1.5      | 4                |
|                    | -5°F                        | -6°F    | 26892                  | 1.9      | 4                | 26542      | 1.8      | 4                | 25870      | 1.7      | 4                |
|                    | 0°F                         | -1°F    | 28386                  | 2.0      | 4                | 28017      | 1.9      | 4                | 27307      | 1.8      | 4                |
|                    | 5°F                         | 3°F     | 29880                  | 2.0      | 4                | 29492      | 2.0      | 4                | 28745      | 1.9      | 4                |
|                    | 7°F                         | 5°F     | 29880                  | 2.1      | 4                | 29492      | 2.0      | 4                | 28745      | 1.9      | 4                |
|                    | 17°F                        | 15°F    | 29880                  | 2.7      | 3                | 29492      | 2.6      | 3                | 28745      | 2.5      | 3                |
|                    | 28°F                        | 26°F    | 29880                  | 2.9      | 3                | 29492      | 2.8      | 3                | 28745      | 2.7      | 3                |
|                    | 38°F                        | 35°F    | 29880                  | 3.2      | 3                | 29492      | 3.1      | 3                | 28745      | 2.9      | 3                |
|                    | 47°F                        | 43°F    | 29880                  | 3.5      | 3                | 29492      | 3.4      | 3                | 28745      | 3.2      | 3                |
|                    | 57°F                        | 52°F    | 30776                  | 3.8      | 2                | 30376      | 3.6      | 2                | 29607      | 3.5      | 3                |
|                    | 68°F                        | 63°F    | 31972                  | 4.0      | 2                | 31556      | 3.8      | 2                | 30757      | 3.7      | 2                |
|                    | 77°F                        | 71°F    | 32868                  | 4.2      | 2                | 32441      | 4.0      | 2                | 31619      | 3.8      | 2                |



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## EXTENDED RATINGS

MUL36HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 70%                | -22°F                       | -22.5°F | 19440                  | 1.6      | 3.6              | 19187      | 1.5      | 4                | 18701      | 1.4      | 3.8              |
|                    | -5°F                        | -6°F    | 23328                  | 1.8      | 3.7              | 23025      | 1.8      | 4                | 22442      | 1.7      | 3.9              |
|                    | 0°F                         | -1°F    | 24624                  | 1.9      | 3.8              | 24304      | 1.9      | 4                | 23688      | 1.8      | 3.9              |
|                    | 5°F                         | 3°F     | 25920                  | 2.0      | 3.8              | 25583      | 1.9      | 4                | 24935      | 1.9      | 4.0              |
|                    | 7°F                         | 5°F     | 25920                  | 2.1      | 3.7              | 25583      | 2.0      | 4                | 24935      | 1.9      | 3.8              |
|                    | 17°F                        | 15°F    | 25920                  | 2.6      | 2.9              | 25583      | 2.5      | 3                | 24935      | 2.4      | 3.0              |
|                    | 28°F                        | 26°F    | 25920                  | 2.9      | 2.6              | 25583      | 2.8      | 3                | 24935      | 2.7      | 2.8              |
|                    | 38°F                        | 35°F    | 25920                  | 3.1      | 2.4              | 25583      | 3.0      | 2                | 24935      | 2.9      | 2.5              |
|                    | 47°F                        | 43°F    | 25920                  | 3.4      | 2.2              | 25583      | 3.3      | 2                | 24935      | 3.2      | 2.3              |
|                    | 57°F                        | 52°F    | 26698                  | 3.7      | 2.1              | 26351      | 3.6      | 2                | 25683      | 3.4      | 2.2              |
|                    | 68°F                        | 63°F    | 27734                  | 3.9      | 2.1              | 27374      | 3.8      | 2                | 26680      | 3.6      | 2.2              |
|                    | 77°F                        | 71°F    | 28512                  | 4.1      | 2.0              | 28141      | 4.0      | 2                | 27429      | 3.8      | 2.1              |
| 60%                | -22°F                       | -22.5°F | 16740                  | 1.6      | 3.2              | 16522      | 1.5      | 3                | 16104      | 1.4      | 3.3              |
|                    | -5°F                        | -6°F    | 20088                  | 1.8      | 3.2              | 19827      | 1.8      | 3                | 19325      | 1.7      | 3.4              |
|                    | 0°F                         | -1°F    | 21204                  | 1.9      | 3.3              | 20928      | 1.8      | 3                | 20398      | 1.8      | 3.4              |
|                    | 5°F                         | 3°F     | 22320                  | 2.0      | 3.3              | 22030      | 1.9      | 3                | 21472      | 1.8      | 3.4              |
|                    | 7°F                         | 5°F     | 22320                  | 2.1      | 3.2              | 22030      | 2.0      | 3                | 21472      | 1.9      | 3.3              |
|                    | 17°F                        | 15°F    | 22320                  | 2.6      | 2.5              | 22030      | 2.5      | 3                | 21472      | 2.4      | 2.6              |
|                    | 28°F                        | 26°F    | 22320                  | 2.9      | 2.3              | 22030      | 2.8      | 2                | 21472      | 2.6      | 2.4              |
|                    | 38°F                        | 35°F    | 22320                  | 3.1      | 2.1              | 22030      | 3.0      | 2                | 21472      | 2.9      | 2.2              |
|                    | 47°F                        | 43°F    | 22320                  | 3.4      | 1.9              | 22030      | 3.3      | 2                | 21472      | 3.1      | 2.0              |
|                    | 57°F                        | 52°F    | 22990                  | 3.7      | 1.8              | 22691      | 3.5      | 2                | 22116      | 3.4      | 1.9              |
|                    | 68°F                        | 63°F    | 23882                  | 3.9      | 1.8              | 23572      | 3.7      | 2                | 22975      | 3.6      | 1.9              |
|                    | 77°F                        | 71°F    | 24552                  | 4.1      | 1.8              | 24233      | 3.9      | 2                | 23619      | 3.8      | 1.8              |


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# EXTENDED RATINGS

MUL36HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 50%                | -22°F                       | -22.5°F | 14040                  | 1.5      | 2.7              | 13857      | 1.5      | 2.7              | 13506      | 1.4      | 2.8              |
|                    | -5°F                        | -6°F    | 16848                  | 1.8      | 2.7              | 16629      | 1.7      | 2.8              | 16208      | 1.7      | 2.9              |
|                    | 0°F                         | -1°F    | 17784                  | 1.9      | 2.8              | 17553      | 1.8      | 2.8              | 17108      | 1.7      | 2.9              |
|                    | 5°F                         | 3°F     | 18720                  | 2.0      | 2.8              | 18477      | 1.9      | 2.8              | 18009      | 1.8      | 2.9              |
|                    | 7°F                         | 5°F     | 18720                  | 2.0      | 2.7              | 18477      | 2.0      | 2.7              | 18009      | 1.9      | 2.8              |
|                    | 17°F                        | 15°F    | 18720                  | 2.6      | 2.1              | 18477      | 2.5      | 2.2              | 18009      | 2.4      | 2.2              |
|                    | 28°F                        | 26°F    | 18720                  | 2.8      | 1.9              | 18477      | 2.7      | 2.0              | 18009      | 2.6      | 2.0              |
|                    | 38°F                        | 35°F    | 18720                  | 3.1      | 1.8              | 18477      | 3.0      | 1.8              | 18009      | 2.8      | 1.9              |
|                    | 47°F                        | 43°F    | 18720                  | 3.4      | 1.6              | 18477      | 3.3      | 1.7              | 18009      | 3.1      | 1.7              |
|                    | 57°F                        | 52°F    | 19282                  | 3.6      | 1.6              | 19031      | 3.5      | 1.6              | 18549      | 3.3      | 1.6              |
|                    | 68°F                        | 63°F    | 20030                  | 3.8      | 1.5              | 19770      | 3.7      | 1.6              | 19269      | 3.5      | 1.6              |
|                    | 77°F                        | 71°F    | 20592                  | 4.0      | 1.5              | 20324      | 3.9      | 1.5              | 19810      | 3.7      | 1.6              |



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## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (kBtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 135%               | -22°F                            | 22624                  | 17534      | 78% | 16.8 | 1.3              | 24145                 | 18785      | 78% | 17.4 | 1.4              | 27160                 | 21293      | 78% | 18.4 | 1.5              | 30827                 | 24199      | 79% | 19.9 | 1.6              |
|                    | -4°F                             | 24068                  | 18653      | 78% | 16.8 | 1.4              | 25686                 | 19984      | 78% | 17.4 | 1.5              | 28894                 | 22653      | 78% | 18.4 | 1.6              | 32794                 | 25743      | 79% | 19.9 | 1.7              |
|                    | 5°F                              | 25605                  | 19844      | 78% | 16.8 | 1.5              | 27326                 | 21260      | 78% | 17.4 | 1.6              | 30738                 | 24098      | 78% | 18.4 | 1.7              | 34887                 | 27387      | 79% | 19.9 | 1.8              |
|                    | 14°F                             | 27239                  | 21110      | 78% | 16.8 | 1.6              | 29070                 | 22617      | 78% | 17.4 | 1.7              | 32700                 | 25637      | 78% | 18.4 | 1.8              | 37114                 | 29135      | 79% | 19.9 | 1.9              |
|                    | 23°F                             | 28978                  | 22458      | 78% | 16.8 | 1.7              | 30926                 | 24060      | 78% | 17.4 | 1.8              | 34787                 | 27273      | 78% | 18.4 | 1.9              | 39483                 | 30994      | 79% | 19.9 | 2.0              |
|                    | 32°F                             | 30827                  | 23891      | 78% | 16.8 | 1.8              | 32900                 | 25596      | 78% | 17.4 | 1.9              | 37008                 | 29014      | 78% | 18.4 | 2.0              | 42004                 | 32973      | 79% | 19.9 | 2.1              |
|                    | 41°F                             | 32795                  | 25416      | 78% | 16.8 | 2.0              | 35000                 | 27230      | 78% | 17.4 | 2.0              | 39370                 | 30866      | 78% | 18.4 | 2.1              | 44685                 | 35077      | 79% | 19.9 | 2.2              |
|                    | 50°F                             | 34888                  | 27038      | 78% | 16.8 | 2.1              | 37234                 | 28968      | 78% | 17.4 | 2.1              | 41883                 | 32836      | 78% | 18.4 | 2.3              | 47537                 | 37316      | 79% | 19.9 | 2.4              |
|                    | 59°F                             | 37115                  | 28764      | 78% | 16.8 | 2.2              | 39610                 | 30817      | 78% | 17.4 | 2.3              | 44556                 | 34932      | 78% | 18.4 | 2.4              | 50571                 | 39698      | 79% | 19.9 | 2.5              |
|                    | 68°F                             | 39484                  | 30600      | 78% | 16.8 | 2.3              | 42139                 | 32784      | 78% | 17.4 | 2.4              | 47400                 | 37162      | 78% | 18.4 | 2.6              | 53799                 | 42232      | 79% | 19.9 | 2.7              |
|                    | 77°F                             | 37985                  | 29438      | 78% | 15.2 | 2.5              | 40538                 | 31539      | 78% | 15.7 | 2.6              | 45600                 | 35750      | 78% | 16.6 | 2.7              | 51756                 | 40628      | 79% | 18.0 | 2.9              |
|                    | 86°F                             | 36485                  | 28276      | 78% | 13.7 | 2.7              | 38938                 | 30294      | 78% | 14.2 | 2.7              | 43800                 | 34339      | 78% | 15.0 | 2.9              | 49713                 | 39025      | 79% | 16.2 | 3.1              |
|                    | 95°F                             | 34986                  | 27114      | 78% | 12.4 | 2.8              | 37338                 | 29049      | 78% | 12.8 | 2.9              | 42000                 | 32928      | 78% | 13.5 | 3.1              | 47670                 | 37421      | 79% | 14.6 | 3.3              |
|                    | 104°F                            | 33487                  | 25952      | 78% | 10.6 | 3.2              | 35738                 | 27804      | 78% | 10.9 | 3.3              | 40200                 | 31517      | 78% | 11.6 | 3.5              | 45627                 | 35817      | 79% | 12.5 | 3.7              |
| 120%               | 113°F                            | 31987                  | 24790      | 78% | 9.1  | 3.5              | 34138                 | 26559      | 78% | 9.4  | 3.6              | 38400                 | 30106      | 78% | 10.0 | 3.9              | 43584                 | 34213      | 79% | 10.8 | 4.1              |
|                    | 118°F                            | 31088                  | 24093      | 78% | 7.9  | 3.9              | 33177                 | 25812      | 78% | 8.2  | 4.1              | 37320                 | 29259      | 78% | 8.7  | 4.3              | 42358                 | 33251      | 79% | 9.4  | 4.5              |
|                    | -22°F                            | 22624                  | 17534      | 78% | 16.8 | 1.3              | 24145                 | 18785      | 78% | 17.4 | 1.4              | 27160                 | 21293      | 78% | 18.4 | 1.5              | 30827                 | 24199      | 79% | 19.9 | 1.6              |
|                    | -4°F                             | 24068                  | 18653      | 78% | 16.8 | 1.4              | 25686                 | 19984      | 78% | 17.4 | 1.5              | 28894                 | 22653      | 78% | 18.4 | 1.6              | 32794                 | 25743      | 79% | 19.9 | 1.7              |
|                    | 5°F                              | 25605                  | 19844      | 78% | 16.8 | 1.5              | 27326                 | 21260      | 78% | 17.4 | 1.6              | 30738                 | 24098      | 78% | 18.4 | 1.7              | 34887                 | 27387      | 79% | 19.9 | 1.8              |
|                    | 14°F                             | 27239                  | 21110      | 78% | 16.8 | 1.6              | 29070                 | 22617      | 78% | 17.4 | 1.7              | 32700                 | 25637      | 78% | 18.4 | 1.8              | 37114                 | 29135      | 79% | 19.9 | 1.9              |
|                    | 23°F                             | 28978                  | 22458      | 78% | 16.8 | 1.7              | 30926                 | 24060      | 78% | 17.4 | 1.8              | 34787                 | 27273      | 78% | 18.4 | 1.9              | 39483                 | 30994      | 79% | 19.9 | 2.0              |
|                    | 32°F                             | 30827                  | 23891      | 78% | 16.8 | 1.8              | 32900                 | 25596      | 78% | 17.4 | 1.9              | 37008                 | 29014      | 78% | 18.4 | 2.0              | 42004                 | 32973      | 79% | 19.9 | 2.1              |
|                    | 41°F                             | 32795                  | 25416      | 78% | 16.8 | 2.0              | 35000                 | 27230      | 78% | 17.4 | 2.0              | 39370                 | 30866      | 78% | 18.4 | 2.1              | 44685                 | 35077      | 79% | 19.9 | 2.2              |
|                    | 50°F                             | 34888                  | 27038      | 78% | 16.8 | 2.1              | 37234                 | 28968      | 78% | 17.4 | 2.1              | 41883                 | 32836      | 78% | 18.4 | 2.3              | 47537                 | 37316      | 79% | 19.9 | 2.4              |
|                    | 59°F                             | 37115                  | 28764      | 78% | 16.8 | 2.2              | 39610                 | 30817      | 78% | 17.4 | 2.3              | 44556                 | 34932      | 78% | 18.4 | 2.4              | 50571                 | 39698      | 79% | 19.9 | 2.5              |
|                    | 68°F                             | 39484                  | 30600      | 78% | 16.8 | 2.3              | 42139                 | 32784      | 78% | 17.4 | 2.4              | 47400                 | 37162      | 78% | 18.4 | 2.6              | 53799                 | 42232      | 79% | 19.9 | 2.7              |
|                    | 77°F                             | 37985                  | 29438      | 78% | 15.2 | 2.5              | 40538                 | 31539      | 78% | 15.7 | 2.6              | 45600                 | 35750      | 78% | 16.6 | 2.7              | 51756                 | 40628      | 79% | 18.0 | 2.9              |
|                    | 86°F                             | 36485                  | 28276      | 78% | 13.7 | 2.7              | 38938                 | 30294      | 78% | 14.2 | 2.7              | 43800                 | 34339      | 78% | 15.0 | 2.9              | 49713                 | 39025      | 79% | 16.2 | 3.1              |
|                    | 95°F                             | 34986                  | 27114      | 78% | 12.4 | 2.8              | 37338                 | 29049      | 78% | 12.8 | 2.9              | 42000                 | 32928      | 78% | 13.5 | 3.1              | 47670                 | 37421      | 79% | 14.6 | 3.3              |
|                    | 104°F                            | 33487                  | 25952      | 78% | 10.6 | 3.2              | 35738                 | 27804      | 78% | 10.9 | 3.3              | 40200                 | 31517      | 78% | 11.6 | 3.5              | 45627                 | 35817      | 79% | 12.5 | 3.7              |
|                    | 113°F                            | 31987                  | 24790      | 78% | 9.1  | 3.5              | 34138                 | 26559      | 78% | 9.4  | 3.6              | 38400                 | 30106      | 78% | 10.0 | 3.9              | 43584                 | 34213      | 79% | 10.8 | 4.1              |
|                    | 118°F                            | 31088                  | 24093      | 78% | 7.9  | 3.9              | 33177                 | 25812      | 78% | 8.2  | 4.1              | 37320                 | 29259      | 78% | 8.7  | 4.3              | 42358                 | 33251      | 79% | 9.4  | 4.5              |



## EXTENDED RATINGS

MUL42HPJ132OA

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 110%               | -22°F                            | 22624                  | 17534      | 78% | 16.8 | 1.3              | 24145                 | 18785      | 78% | 17.4 | 1.4              | 27160                 | 21293      | 78% | 18.4 | 1.5              | 30827                 | 24199      | 79% | 19.9 | 1.6              |
|                    | -4°F                             | 24068                  | 18653      | 78% | 16.8 | 1.4              | 25686                 | 19984      | 78% | 17.4 | 1.5              | 28894                 | 22653      | 78% | 18.4 | 1.6              | 32794                 | 25743      | 79% | 19.9 | 1.7              |
|                    | 5°F                              | 25605                  | 19844      | 78% | 16.8 | 1.5              | 27326                 | 21260      | 78% | 17.4 | 1.6              | 30738                 | 24098      | 78% | 18.4 | 1.7              | 34887                 | 27387      | 79% | 19.9 | 1.8              |
|                    | 14°F                             | 27239                  | 21110      | 78% | 16.8 | 1.6              | 29070                 | 22617      | 78% | 17.4 | 1.7              | 32700                 | 25637      | 78% | 18.4 | 1.8              | 37114                 | 29135      | 79% | 19.9 | 1.9              |
|                    | 23°F                             | 28978                  | 22458      | 78% | 16.8 | 1.7              | 30926                 | 24060      | 78% | 17.4 | 1.8              | 34787                 | 27273      | 78% | 18.4 | 1.9              | 39483                 | 30994      | 79% | 19.9 | 2.0              |
|                    | 32°F                             | 30827                  | 23891      | 78% | 16.8 | 1.8              | 32900                 | 25596      | 78% | 17.4 | 1.9              | 37008                 | 29014      | 78% | 18.4 | 2.0              | 42004                 | 32973      | 79% | 19.9 | 2.1              |
|                    | 41°F                             | 32795                  | 25416      | 78% | 16.8 | 2.0              | 35000                 | 27230      | 78% | 17.4 | 2.0              | 39370                 | 30866      | 78% | 18.4 | 2.1              | 44685                 | 35077      | 79% | 19.9 | 2.2              |
|                    | 50°F                             | 34888                  | 27038      | 78% | 16.8 | 2.1              | 37234                 | 28968      | 78% | 17.4 | 2.1              | 41883                 | 32836      | 78% | 18.4 | 2.3              | 47537                 | 37316      | 79% | 19.9 | 2.4              |
|                    | 59°F                             | 37115                  | 28764      | 78% | 16.8 | 2.2              | 39610                 | 30817      | 78% | 17.4 | 2.3              | 44556                 | 34932      | 78% | 18.4 | 2.4              | 50571                 | 39698      | 79% | 19.9 | 2.5              |
|                    | 68°F                             | 39484                  | 30600      | 78% | 16.8 | 2.3              | 42139                 | 32784      | 78% | 17.4 | 2.4              | 47400                 | 37162      | 78% | 18.4 | 2.6              | 53799                 | 42232      | 79% | 19.9 | 2.7              |
|                    | 77°F                             | 37985                  | 29438      | 78% | 15.2 | 2.5              | 40538                 | 31539      | 78% | 15.7 | 2.6              | 45600                 | 35750      | 78% | 16.6 | 2.7              | 51756                 | 40628      | 79% | 18.0 | 2.9              |
|                    | 86°F                             | 36485                  | 28276      | 78% | 13.7 | 2.7              | 38938                 | 30294      | 78% | 14.2 | 2.7              | 43800                 | 34339      | 78% | 15.0 | 2.9              | 49713                 | 39025      | 79% | 16.2 | 3.1              |
|                    | 95°F                             | 34986                  | 27114      | 78% | 12.4 | 2.8              | 37338                 | 29049      | 78% | 12.8 | 2.9              | 42000                 | 32928      | 78% | 13.5 | 3.1              | 47670                 | 37421      | 79% | 14.6 | 3.3              |
|                    | 104°F                            | 33487                  | 25952      | 78% | 10.6 | 3.2              | 35738                 | 27804      | 78% | 10.9 | 3.3              | 40200                 | 31517      | 78% | 11.6 | 3.5              | 45627                 | 35817      | 79% | 12.5 | 3.7              |
| 100%               | 113°F                            | 31987                  | 24790      | 78% | 9.1  | 3.5              | 34138                 | 26559      | 78% | 9.4  | 3.6              | 38400                 | 30106      | 78% | 10.0 | 3.9              | 43584                 | 34213      | 79% | 10.8 | 4.1              |
|                    | 118°F                            | 31088                  | 24093      | 78% | 7.9  | 3.9              | 33177                 | 25812      | 78% | 8.2  | 4.1              | 37320                 | 29259      | 78% | 8.7  | 4.3              | 42358                 | 33251      | 79% | 9.4  | 4.5              |
|                    | -22°F                            | 22624                  | 17534      | 78% | 16.8 | 1                | 24145                 | 18785      | 78% | 17.4 | 1                | 27160                 | 21293      | 78% | 18.4 | 1                | 30827                 | 24199      | 79% | 19.9 | 2                |
|                    | -4°F                             | 24068                  | 18653      | 78% | 16.8 | 1                | 25686                 | 19984      | 78% | 17.4 | 1                | 28894                 | 22653      | 78% | 18.4 | 2                | 32794                 | 25743      | 79% | 19.9 | 2                |
|                    | 5°F                              | 25605                  | 19844      | 78% | 16.8 | 2                | 27326                 | 21260      | 78% | 17.4 | 2                | 30738                 | 24098      | 78% | 18.4 | 2                | 34887                 | 27387      | 79% | 19.9 | 2                |
|                    | 14°F                             | 27239                  | 21110      | 78% | 16.8 | 2                | 29070                 | 22617      | 78% | 17.4 | 2                | 32700                 | 25637      | 78% | 18.4 | 2                | 37114                 | 29135      | 79% | 19.9 | 2                |
|                    | 23°F                             | 28978                  | 22458      | 78% | 16.8 | 2                | 30926                 | 24060      | 78% | 17.4 | 2                | 34787                 | 27273      | 78% | 18.4 | 2                | 39483                 | 30994      | 79% | 19.9 | 2                |
|                    | 32°F                             | 30827                  | 23891      | 78% | 16.8 | 2                | 32900                 | 25596      | 78% | 17.4 | 2                | 37008                 | 29014      | 78% | 18.4 | 2                | 42004                 | 32973      | 79% | 19.9 | 2                |
|                    | 41°F                             | 32795                  | 25416      | 78% | 16.8 | 2                | 35000                 | 27230      | 78% | 17.4 | 2                | 39370                 | 30866      | 78% | 18.4 | 2                | 44685                 | 35077      | 79% | 19.9 | 2                |
|                    | 50°F                             | 34888                  | 27038      | 78% | 16.8 | 2                | 37234                 | 28968      | 78% | 17.4 | 2                | 41883                 | 32836      | 78% | 18.4 | 2                | 47537                 | 37316      | 79% | 19.9 | 2                |
|                    | 59°F                             | 37115                  | 28764      | 78% | 16.8 | 2                | 39610                 | 30817      | 78% | 17.4 | 2                | 44556                 | 34932      | 78% | 18.4 | 2                | 50571                 | 39698      | 79% | 19.9 | 3                |
|                    | 68°F                             | 39484                  | 30600      | 78% | 16.8 | 2                | 42139                 | 32784      | 78% | 17.4 | 2                | 47400                 | 37162      | 78% | 18.4 | 3                | 53799                 | 42232      | 79% | 19.9 | 3                |
|                    | 77°F                             | 37985                  | 29438      | 78% | 15.2 | 2                | 40538                 | 31539      | 78% | 15.7 | 3                | 45600                 | 35750      | 78% | 16.6 | 3                | 51756                 | 40628      | 79% | 18.0 | 3                |
|                    | 86°F                             | 36485                  | 28276      | 78% | 13.7 | 3                | 38938                 | 30294      | 78% | 14.2 | 3                | 43800                 | 34339      | 78% | 15.0 | 3                | 49713                 | 39025      | 79% | 16.2 | 3                |
|                    | 95°F                             | 34986                  | 27114      | 78% | 12.4 | 3                | 37338                 | 29049      | 78% | 12.8 | 3                | 42000                 | 32928      | 78% | 13.5 | 3                | 47670                 | 37421      | 79% | 14.6 | 3                |
|                    | 104°F                            | 33487                  | 25952      | 78% | 10.6 | 3                | 35738                 | 27804      | 78% | 10.9 | 3                | 40200                 | 31517      | 78% | 11.6 | 3                | 45627                 | 35817      | 79% | 12.5 | 4                |
|                    | 113°F                            | 31987                  | 24790      | 78% | 9.1  | 4                | 34138                 | 26559      | 78% | 9.4  | 4                | 38400                 | 30106      | 78% | 10.0 | 4                | 43584                 | 34213      | 79% | 10.8 | 4                |
|                    | 118°F                            | 31088                  | 24093      | 78% | 7.9  | 4                | 33177                 | 25812      | 78% | 8.2  | 4                | 37320                 | 29259      | 78% | 8.7  | 4                | 42358                 | 33251      | 79% | 9.4  | 5                |


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## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 90%                | -22°F                            | 21267                  | 16482      | 78% | 16.6 | 1.3              | 22696                 | 17658      | 78% | 17.2 | 1.3              | 25530                 | 20016      | 78% | 18.2 | 1.4              | 28977                 | 22747      | 79% | 19.7 | 1.5              |
|                    | -4°F                             | 22624                  | 17534      | 78% | 16.6 | 1.4              | 24145                 | 18785      | 78% | 17.2 | 1.4              | 27160                 | 21293      | 78% | 18.2 | 1.5              | 30827                 | 24199      | 79% | 19.7 | 1.6              |
|                    | 5°F                              | 24068                  | 18653      | 78% | 16.6 | 1.4              | 25686                 | 19984      | 78% | 17.2 | 1.5              | 28894                 | 22653      | 78% | 18.2 | 1.6              | 32794                 | 25743      | 79% | 19.7 | 1.7              |
|                    | 14°F                             | 25605                  | 19844      | 78% | 16.6 | 1.5              | 27326                 | 21260      | 78% | 17.2 | 1.6              | 30738                 | 24098      | 78% | 18.2 | 1.7              | 34887                 | 27387      | 79% | 19.7 | 1.8              |
|                    | 23°F                             | 27239                  | 21110      | 78% | 16.6 | 1.6              | 29070                 | 22617      | 78% | 17.2 | 1.7              | 32700                 | 25637      | 78% | 18.2 | 1.8              | 37114                 | 29135      | 79% | 19.7 | 1.9              |
|                    | 32°F                             | 28978                  | 22458      | 78% | 16.6 | 1.7              | 30926                 | 24060      | 78% | 17.2 | 1.8              | 34787                 | 27273      | 78% | 18.2 | 1.9              | 39483                 | 30994      | 79% | 19.7 | 2.0              |
|                    | 41°F                             | 30827                  | 23891      | 78% | 16.6 | 1.9              | 32900                 | 25596      | 78% | 17.2 | 1.9              | 37008                 | 29014      | 78% | 18.2 | 2.0              | 42004                 | 32973      | 79% | 19.7 | 2.1              |
|                    | 50°F                             | 32795                  | 25416      | 78% | 16.6 | 2.0              | 35000                 | 27230      | 78% | 17.2 | 2.0              | 39370                 | 30866      | 78% | 18.2 | 2.2              | 44685                 | 35077      | 79% | 19.7 | 2.3              |
|                    | 59°F                             | 34888                  | 27038      | 78% | 16.6 | 2.1              | 37234                 | 28968      | 78% | 17.2 | 2.2              | 41883                 | 32836      | 78% | 18.2 | 2.3              | 47537                 | 37316      | 79% | 19.7 | 2.4              |
|                    | 68°F                             | 37115                  | 28764      | 78% | 16.6 | 2.2              | 39610                 | 30817      | 78% | 17.2 | 2.3              | 44556                 | 34932      | 78% | 18.2 | 2.4              | 50571                 | 39698      | 79% | 19.7 | 2.6              |
|                    | 77°F                             | 35706                  | 27672      | 78% | 15.1 | 2.4              | 38106                 | 29647      | 78% | 15.5 | 2.5              | 42864                 | 33605      | 78% | 16.5 | 2.6              | 48651                 | 38191      | 79% | 17.8 | 2.7              |
|                    | 86°F                             | 34296                  | 26580      | 78% | 13.6 | 2.5              | 36602                 | 28476      | 78% | 14.0 | 2.6              | 41172                 | 32279      | 78% | 14.9 | 2.8              | 46730                 | 36683      | 79% | 16.1 | 2.9              |
|                    | 95°F                             | 32887                  | 25487      | 78% | 12.2 | 2.7              | 35098                 | 27306      | 78% | 12.6 | 2.8              | 39480                 | 30952      | 78% | 13.4 | 2.9              | 44810                 | 35176      | 79% | 14.5 | 3.1              |
|                    | 104°F                            | 31477                  | 24395      | 78% | 10.5 | 3.0              | 33594                 | 26136      | 78% | 10.8 | 3.1              | 37788                 | 29626      | 78% | 11.5 | 3.3              | 42889                 | 33668      | 79% | 12.4 | 3.5              |
| 80%                | 113°F                            | 30068                  | 23303      | 78% | 9.0  | 3.3              | 32089                 | 24966      | 78% | 9.3  | 3.4              | 36096                 | 28299      | 78% | 9.9  | 3.7              | 40969                 | 32161      | 79% | 10.7 | 3.8              |
|                    | 118°F                            | 29222                  | 22647      | 78% | 7.8  | 3.7              | 31187                 | 24263      | 78% | 8.1  | 3.9              | 35081                 | 27503      | 78% | 8.6  | 4.1              | 39817                 | 31256      | 79% | 9.3  | 4.3              |
|                    | -22°F                            | 18552                  | 14378      | 78% | 16.2 | 1.1              | 19799                 | 15404      | 78% | 16.7 | 1.2              | 22271                 | 17461      | 78% | 17.8 | 1.3              | 25278                 | 19843      | 79% | 19.2 | 1.3              |
|                    | -4°F                             | 19736                  | 15295      | 78% | 16.2 | 1.2              | 21063                 | 16387      | 78% | 16.7 | 1.3              | 23693                 | 18575      | 78% | 17.8 | 1.3              | 26891                 | 21110      | 79% | 19.2 | 1.4              |
|                    | 5°F                              | 20996                  | 16272      | 78% | 16.2 | 1.3              | 22407                 | 17433      | 78% | 16.7 | 1.3              | 25205                 | 19761      | 78% | 17.8 | 1.4              | 28608                 | 22457      | 79% | 19.2 | 1.5              |
|                    | 14°F                             | 22336                  | 17310      | 78% | 16.2 | 1.4              | 23838                 | 18546      | 78% | 16.7 | 1.4              | 26814                 | 21022      | 78% | 17.8 | 1.5              | 30434                 | 23890      | 79% | 19.2 | 1.6              |
|                    | 23°F                             | 23762                  | 18415      | 78% | 16.2 | 1.5              | 25359                 | 19729      | 78% | 16.7 | 1.5              | 28525                 | 22364      | 78% | 17.8 | 1.6              | 32376                 | 25415      | 79% | 19.2 | 1.7              |
|                    | 32°F                             | 25278                  | 19591      | 78% | 16.2 | 1.6              | 26978                 | 20989      | 78% | 16.7 | 1.6              | 30346                 | 23791      | 78% | 17.8 | 1.7              | 34443                 | 27038      | 79% | 19.2 | 1.8              |
|                    | 41°F                             | 26892                  | 20841      | 78% | 16.2 | 1.7              | 28700                 | 22328      | 78% | 16.7 | 1.7              | 32283                 | 25310      | 78% | 17.8 | 1.8              | 36641                 | 28763      | 79% | 19.2 | 1.9              |
|                    | 50°F                             | 28608                  | 22171      | 78% | 16.2 | 1.8              | 30532                 | 23754      | 78% | 16.7 | 1.8              | 34344                 | 26926      | 78% | 17.8 | 1.9              | 38980                 | 30599      | 79% | 19.2 | 2.0              |
|                    | 59°F                             | 30434                  | 23587      | 78% | 16.2 | 1.9              | 32480                 | 25270      | 78% | 16.7 | 1.9              | 36536                 | 28644      | 78% | 17.8 | 2.1              | 41468                 | 32553      | 79% | 19.2 | 2.2              |
|                    | 68°F                             | 32377                  | 25092      | 78% | 16.2 | 2.0              | 34554                 | 26883      | 78% | 16.7 | 2.1              | 38868                 | 30473      | 78% | 17.8 | 2.2              | 44115                 | 34630      | 79% | 19.2 | 2.3              |
|                    | 77°F                             | 31148                  | 24139      | 78% | 14.7 | 2.1              | 33241                 | 25862      | 78% | 15.1 | 2.2              | 37392                 | 29315      | 78% | 16.1 | 2.3              | 42440                 | 33315      | 79% | 17.3 | 2.4              |
|                    | 86°F                             | 29918                  | 23186      | 78% | 13.2 | 2.3              | 31929                 | 24841      | 78% | 13.7 | 2.3              | 35916                 | 28158      | 78% | 14.5 | 2.5              | 40765                 | 32000      | 79% | 15.6 | 2.6              |
|                    | 95°F                             | 28689                  | 22234      | 78% | 11.9 | 2.4              | 30617                 | 23820      | 78% | 12.3 | 2.5              | 34440                 | 27001      | 78% | 13.1 | 2.6              | 39089                 | 30685      | 79% | 14.1 | 2.8              |
|                    | 104°F                            | 27459                  | 21281      | 78% | 10.2 | 2.7              | 29305                 | 22799      | 78% | 10.5 | 2.8              | 32964                 | 25844      | 78% | 11.2 | 3.0              | 37414                 | 29370      | 79% | 12.0 | 3.1              |
|                    | 113°F                            | 26230                  | 20328      | 78% | 8.8  | 3.0              | 27993                 | 21778      | 78% | 9.1  | 3.1              | 31488                 | 24687      | 78% | 9.6  | 3.3              | 35739                 | 28055      | 79% | 10.4 | 3.4              |
|                    | 118°F                            | 25492                  | 19756      | 78% | 7.7  | 3.3              | 27206                 | 21166      | 78% | 7.9  | 3.4              | 30602                 | 23992      | 78% | 8.4  | 3.7              | 34734                 | 27266      | 79% | 9.0  | 3.8              |



## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 70%                | -22°F                            | 16289                  | 12624      | 78% | 16.1 | 1.0              | 17385                 | 13525      | 78% | 16.7 | 1.0              | 19555                 | 15331      | 78% | 17.7 | 1.1              | 22195                 | 17423      | 79% | 19.1 | 1.2              |
|                    | -4°F                             | 17329                  | 13430      | 78% | 16.1 | 1.1              | 18494                 | 14388      | 78% | 16.7 | 1.1              | 20803                 | 16310      | 78% | 17.7 | 1.2              | 23612                 | 18535      | 79% | 19.1 | 1.2              |
|                    | 5°F                              | 18435                  | 14287      | 78% | 16.1 | 1.1              | 19675                 | 15307      | 78% | 16.7 | 1.2              | 22131                 | 17351      | 78% | 17.7 | 1.3              | 25119                 | 19718      | 79% | 19.1 | 1.3              |
|                    | 14°F                             | 19612                  | 15199      | 78% | 16.1 | 1.2              | 20931                 | 16284      | 78% | 16.7 | 1.3              | 23544                 | 18458      | 78% | 17.7 | 1.3              | 26722                 | 20977      | 79% | 19.1 | 1.4              |
|                    | 23°F                             | 20864                  | 16170      | 78% | 16.1 | 1.3              | 22266                 | 17323      | 78% | 16.7 | 1.3              | 25047                 | 19637      | 78% | 17.7 | 1.4              | 28428                 | 22316      | 79% | 19.1 | 1.5              |
|                    | 32°F                             | 22196                  | 17202      | 78% | 16.1 | 1.4              | 23688                 | 18429      | 78% | 16.7 | 1.4              | 26645                 | 20890      | 78% | 17.7 | 1.5              | 30243                 | 23740      | 79% | 19.1 | 1.6              |
|                    | 41°F                             | 23612                  | 18300      | 78% | 16.1 | 1.5              | 25200                 | 19605      | 78% | 16.7 | 1.5              | 28346                 | 22223      | 78% | 17.7 | 1.6              | 32173                 | 25256      | 79% | 19.1 | 1.7              |
|                    | 50°F                             | 25120                  | 19468      | 78% | 16.1 | 1.6              | 26808                 | 20857      | 78% | 16.7 | 1.6              | 30156                 | 23642      | 78% | 17.7 | 1.7              | 34226                 | 26868      | 79% | 19.1 | 1.8              |
|                    | 59°F                             | 26723                  | 20710      | 78% | 16.1 | 1.7              | 28519                 | 22188      | 78% | 16.7 | 1.7              | 32080                 | 25151      | 78% | 17.7 | 1.8              | 36411                 | 28583      | 79% | 19.1 | 1.9              |
|                    | 68°F                             | 28429                  | 22032      | 78% | 16.1 | 1.8              | 30340                 | 23604      | 78% | 16.7 | 1.8              | 34128                 | 26756      | 78% | 17.7 | 1.9              | 38735                 | 30407      | 79% | 19.1 | 2.0              |
|                    | 77°F                             | 27349                  | 21196      | 78% | 14.6 | 1.9              | 29188                 | 22708      | 78% | 15.1 | 1.9              | 32832                 | 25740      | 78% | 16.0 | 2.1              | 37264                 | 29252      | 79% | 17.2 | 2.2              |
|                    | 86°F                             | 26269                  | 20359      | 78% | 13.2 | 2.0              | 28036                 | 21812      | 78% | 13.6 | 2.1              | 31536                 | 24724      | 78% | 14.4 | 2.2              | 35793                 | 28098      | 79% | 15.6 | 2.3              |
|                    | 95°F                             | 25190                  | 19522      | 78% | 11.9 | 2.1              | 26883                 | 20915      | 78% | 12.3 | 2.2              | 30240                 | 23708      | 78% | 13.0 | 2.3              | 34322                 | 26943      | 79% | 14.0 | 2.4              |
|                    | 104°F                            | 24110                  | 18686      | 78% | 10.1 | 2.4              | 25731                 | 20019      | 78% | 10.5 | 2.5              | 28944                 | 22692      | 78% | 11.1 | 2.6              | 32851                 | 25788      | 79% | 12.0 | 2.7              |
| 60%                | 113°F                            | 23031                  | 17849      | 78% | 8.8  | 2.6              | 24579                 | 19123      | 78% | 9.0  | 2.7              | 27648                 | 21676      | 78% | 9.6  | 2.9              | 31380                 | 24634      | 79% | 10.3 | 3.0              |
|                    | 118°F                            | 22383                  | 17347      | 78% | 7.6  | 2.9              | 23888                 | 18585      | 78% | 7.9  | 3.0              | 26870                 | 21066      | 78% | 8.3  | 3.2              | 30498                 | 23941      | 79% | 9.0  | 3.4              |
|                    | -22°F                            | 14027                  | 10871      | 78% | 16.0 | 0.9              | 14970                 | 11647      | 78% | 16.6 | 0.9              | 16839                 | 13202      | 78% | 17.6 | 1.0              | 19112                 | 15003      | 79% | 18.9 | 1.0              |
|                    | -4°F                             | 14922                  | 11565      | 78% | 16.0 | 0.9              | 15926                 | 12390      | 78% | 16.6 | 1.0              | 17914                 | 14045      | 78% | 17.6 | 1.0              | 20332                 | 15961      | 79% | 18.9 | 1.1              |
|                    | 5°F                              | 15875                  | 12303      | 78% | 16.0 | 1.0              | 16942                 | 13181      | 78% | 16.6 | 1.0              | 19057                 | 14941      | 78% | 17.6 | 1.1              | 21630                 | 16980      | 79% | 18.9 | 1.1              |
|                    | 14°F                             | 16888                  | 13088      | 78% | 16.0 | 1.1              | 18023                 | 14022      | 78% | 16.6 | 1.1              | 20274                 | 15895      | 78% | 17.6 | 1.2              | 23011                 | 18064      | 79% | 18.9 | 1.2              |
|                    | 23°F                             | 17966                  | 13924      | 78% | 16.0 | 1.1              | 19174                 | 14917      | 78% | 16.6 | 1.2              | 21568                 | 16909      | 78% | 17.6 | 1.2              | 24480                 | 19217      | 79% | 18.9 | 1.3              |
|                    | 32°F                             | 19113                  | 14812      | 78% | 16.0 | 1.2              | 20398                 | 15869      | 78% | 16.6 | 1.2              | 22945                 | 17989      | 78% | 17.6 | 1.3              | 26042                 | 20443      | 79% | 18.9 | 1.4              |
|                    | 41°F                             | 20333                  | 15758      | 78% | 16.0 | 1.3              | 21700                 | 16882      | 78% | 16.6 | 1.3              | 24409                 | 19137      | 78% | 17.6 | 1.4              | 27704                 | 21748      | 79% | 18.9 | 1.5              |
|                    | 50°F                             | 21631                  | 16764      | 78% | 16.0 | 1.3              | 23085                 | 17960      | 78% | 16.6 | 1.4              | 25967                 | 20358      | 78% | 17.6 | 1.5              | 29473                 | 23136      | 79% | 18.9 | 1.6              |
|                    | 59°F                             | 23011                  | 17834      | 78% | 16.0 | 1.4              | 24558                 | 19106      | 78% | 16.6 | 1.5              | 27625                 | 21658      | 78% | 17.6 | 1.6              | 31354                 | 24613      | 79% | 18.9 | 1.7              |
|                    | 68°F                             | 24480                  | 18972      | 78% | 16.0 | 1.5              | 26126                 | 20326      | 78% | 16.6 | 1.6              | 29388                 | 23040      | 78% | 17.6 | 1.7              | 33355                 | 26184      | 79% | 18.9 | 1.8              |
|                    | 77°F                             | 23551                  | 18252      | 78% | 14.5 | 1.6              | 25134                 | 19554      | 78% | 15.0 | 1.7              | 28272                 | 22165      | 78% | 15.9 | 1.8              | 32089                 | 25190      | 79% | 17.1 | 1.9              |
|                    | 86°F                             | 22621                  | 17531      | 78% | 13.1 | 1.7              | 24142                 | 18782      | 78% | 13.5 | 1.8              | 27156                 | 21290      | 78% | 14.3 | 1.9              | 30822                 | 24195      | 79% | 15.5 | 2.0              |
|                    | 95°F                             | 21691                  | 16811      | 78% | 11.8 | 1.8              | 23150                 | 18010      | 78% | 12.2 | 1.9              | 26040                 | 20415      | 78% | 12.9 | 2.0              | 29555                 | 23201      | 79% | 13.9 | 2.1              |
|                    | 104°F                            | 20762                  | 16090      | 78% | 10.1 | 2.1              | 22157                 | 17238      | 78% | 10.4 | 2.1              | 24924                 | 19540      | 78% | 11.0 | 2.3              | 28289                 | 22207      | 79% | 11.9 | 2.4              |
|                    | 113°F                            | 19832                  | 15370      | 78% | 8.7  | 2.3              | 21165                 | 16467      | 78% | 9.0  | 2.4              | 23808                 | 18665      | 78% | 9.5  | 2.5              | 27022                 | 21212      | 79% | 10.3 | 2.6              |
|                    | 118°F                            | 19274                  | 14938      | 78% | 7.6  | 2.5              | 20570                 | 16003      | 78% | 7.8  | 2.6              | 23138                 | 18141      | 78% | 8.3  | 2.8              | 26262                 | 20616      | 79% | 8.9  | 2.9              |



## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 50%                | -22°F                            | 11765                  | 9118       | 78% | 15.9 | 0.7              | 12556                 | 9768       | 78% | 16.4 | 0.8              | 14123                 | 11073      | 78% | 17.4 | 0.8              | 16030                 | 12583      | 79% | 18.8 | 0.9              |
|                    | -4°F                             | 12516                  | 9700       | 78% | 15.9 | 0.8              | 13357                 | 10392      | 78% | 16.4 | 0.8              | 15025                 | 11779      | 78% | 17.4 | 0.9              | 17053                 | 13387      | 79% | 18.8 | 0.9              |
|                    | 5°F                              | 13314                  | 10319      | 78% | 15.9 | 0.8              | 14209                 | 11055      | 78% | 16.4 | 0.9              | 15984                 | 12531      | 78% | 17.4 | 0.9              | 18141                 | 14241      | 79% | 18.8 | 1.0              |
|                    | 14°F                             | 14164                  | 10977      | 78% | 15.9 | 0.9              | 15116                 | 11761      | 78% | 16.4 | 0.9              | 17004                 | 13331      | 78% | 17.4 | 1.0              | 19299                 | 15150      | 79% | 18.8 | 1.0              |
|                    | 23°F                             | 15068                  | 11678      | 78% | 15.9 | 0.9              | 16081                 | 12511      | 78% | 16.4 | 1.0              | 18089                 | 14182      | 78% | 17.4 | 1.0              | 20531                 | 16117      | 79% | 18.8 | 1.1              |
|                    | 32°F                             | 16030                  | 12423      | 78% | 15.9 | 1.0              | 17108                 | 13310      | 78% | 16.4 | 1.0              | 19244                 | 15087      | 78% | 17.4 | 1.1              | 21842                 | 17146      | 79% | 18.8 | 1.2              |
|                    | 41°F                             | 17053                  | 13216      | 78% | 15.9 | 1.1              | 18200                 | 14159      | 78% | 16.4 | 1.1              | 20472                 | 16050      | 78% | 17.4 | 1.2              | 23236                 | 18240      | 79% | 18.8 | 1.2              |
|                    | 50°F                             | 18142                  | 14060      | 78% | 15.9 | 1.1              | 19362                 | 15063      | 78% | 16.4 | 1.2              | 21779                 | 17075      | 78% | 17.4 | 1.3              | 24719                 | 19405      | 79% | 18.8 | 1.3              |
|                    | 59°F                             | 19300                  | 14957      | 78% | 15.9 | 1.2              | 20597                 | 16025      | 78% | 16.4 | 1.3              | 23169                 | 18165      | 78% | 17.4 | 1.3              | 26297                 | 20643      | 79% | 18.8 | 1.4              |
|                    | 68°F                             | 20532                  | 15912      | 78% | 15.9 | 1.3              | 21912                 | 17048      | 78% | 16.4 | 1.3              | 24648                 | 19324      | 78% | 17.4 | 1.4              | 27975                 | 21961      | 79% | 18.8 | 1.5              |
|                    | 77°F                             | 19752                  | 15308      | 78% | 14.4 | 1.4              | 21080                 | 16400      | 78% | 14.8 | 1.4              | 23712                 | 18590      | 78% | 15.7 | 1.5              | 26913                 | 21127      | 79% | 17.0 | 1.6              |
|                    | 86°F                             | 18972                  | 14704      | 78% | 13.0 | 1.5              | 20248                 | 15753      | 78% | 13.4 | 1.5              | 22776                 | 17856      | 78% | 14.2 | 1.6              | 25851                 | 20293      | 79% | 15.3 | 1.7              |
|                    | 95°F                             | 18193                  | 14099      | 78% | 11.7 | 1.6              | 19416                 | 15105      | 78% | 12.1 | 1.6              | 21840                 | 17123      | 78% | 12.8 | 1.7              | 24788                 | 19459      | 79% | 13.8 | 1.8              |
|                    | 104°F                            | 17413                  | 13495      | 78% | 10.0 | 1.7              | 18584                 | 14458      | 78% | 10.3 | 1.8              | 20904                 | 16389      | 78% | 10.9 | 1.9              | 23726                 | 18625      | 79% | 11.8 | 2.0              |
|                    | 113°F                            | 16633                  | 12891      | 78% | 8.6  | 1.9              | 17752                 | 13811      | 78% | 8.9  | 2.0              | 19968                 | 15655      | 78% | 9.4  | 2.1              | 22664                 | 17791      | 79% | 10.2 | 2.2              |
|                    | 118°F                            | 16166                  | 12528      | 78% | 7.5  | 2.2              | 17252                 | 13422      | 78% | 7.7  | 2.2              | 19406                 | 15215      | 78% | 8.2  | 2.4              | 22026                 | 17291      | 79% | 8.9  | 2.5              |





## EXTENDED RATINGS

MUL42HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 135%               | -22°F                       | -22.5°F | 28000                  | 1.6      | 5.0              | 27636      | 1.6      | 5                | 26936      | 1.5      | 5.2              |
|                    | -5°F                        | -6°F    | 33880                  | 2.0      | 5.1              | 33440      | 1.9      | 5                | 32593      | 1.8      | 5.3              |
|                    | 0°F                         | -1°F    | 35840                  | 2.1      | 5.1              | 35374      | 2.0      | 5                | 34478      | 1.9      | 5.4              |
|                    | 5°F                         | 3°F     | 37800                  | 2.2      | 5.2              | 37309      | 2.1      | 5                | 36364      | 2.0      | 5.4              |
|                    | 7°F                         | 5°F     | 38114                  | 2.2      | 5.0              | 37619      | 2.1      | 5                | 36666      | 2.0      | 5.2              |
|                    | 17°F                        | 15°F    | 40000                  | 2.8      | 4.3              | 39480      | 2.7      | 4                | 38480      | 2.5      | 4.4              |
|                    | 28°F                        | 26°F    | 40750                  | 3.1      | 3.8              | 40220      | 3.0      | 4                | 39202      | 2.9      | 4.0              |
|                    | 38°F                        | 35°F    | 41375                  | 3.5      | 3.5              | 40837      | 3.4      | 4                | 39803      | 3.2      | 3.7              |
|                    | 47°F                        | 43°F    | 42000                  | 3.9      | 3.2              | 41454      | 3.8      | 3                | 40404      | 3.6      | 3.3              |
|                    | 57°F                        | 52°F    | 43260                  | 4.2      | 3.0              | 42698      | 4.1      | 3                | 41616      | 3.9      | 3.1              |
|                    | 68°F                        | 63°F    | 44940                  | 4.4      | 3.0              | 44356      | 4.3      | 3                | 43232      | 4.1      | 3.1              |
| 120%               | 77°F                        | 71°F    | 46200                  | 4.7      | 2.9              | 45599      | 4.5      | 3                | 44444      | 4.3      | 3.0              |
|                    | -22°F                       | -22.5°F | 28000                  | 1.6      | 5.0              | 27636      | 1.6      | 5                | 26936      | 1.5      | 5.2              |
|                    | -5°F                        | -6°F    | 33880                  | 2.0      | 5.1              | 33440      | 1.9      | 5                | 32593      | 1.8      | 5.3              |
|                    | 0°F                         | -1°F    | 35840                  | 2.1      | 5.1              | 35374      | 2.0      | 5                | 34478      | 1.9      | 5.4              |
|                    | 5°F                         | 3°F     | 37800                  | 2.2      | 5.2              | 37309      | 2.1      | 5                | 36364      | 2.0      | 5.4              |
|                    | 7°F                         | 5°F     | 38114                  | 2.2      | 5.0              | 37619      | 2.1      | 5                | 36666      | 2.0      | 5.2              |
|                    | 17°F                        | 15°F    | 40000                  | 2.8      | 4.3              | 39480      | 2.7      | 4                | 38480      | 2.5      | 4.4              |
|                    | 28°F                        | 26°F    | 40750                  | 3.1      | 3.8              | 40220      | 3.0      | 4                | 39202      | 2.9      | 4.0              |
|                    | 38°F                        | 35°F    | 41375                  | 3.5      | 3.5              | 40837      | 3.4      | 4                | 39803      | 3.2      | 3.7              |
|                    | 47°F                        | 43°F    | 42000                  | 3.9      | 3.2              | 41454      | 3.8      | 3                | 40404      | 3.6      | 3.3              |
|                    | 57°F                        | 52°F    | 43260                  | 4.2      | 3.0              | 42698      | 4.1      | 3                | 41616      | 3.9      | 3.1              |
|                    | 68°F                        | 63°F    | 44940                  | 4.4      | 3.0              | 44356      | 4.3      | 3                | 43232      | 4.1      | 3.1              |
|                    | 77°F                        | 71°F    | 46200                  | 4.7      | 2.9              | 45599      | 4.5      | 3                | 44444      | 4.3      | 3.0              |


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# EXTENDED RATINGS

MUL42HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 110%               | -22°F                       | -22.5°F | 28000                  | 1.6      | 5.0              | 27636      | 1.6      | 5.1              | 26936      | 1.5      | 5.2              |
|                    | -5°F                        | -6°F    | 33880                  | 2.0      | 5.1              | 33440      | 1.9      | 5.2              | 32593      | 1.8      | 5.3              |
|                    | 0°F                         | -1°F    | 35840                  | 2.1      | 5.1              | 35374      | 2.0      | 5.2              | 34478      | 1.9      | 5.4              |
|                    | 5°F                         | 3°F     | 37800                  | 2.2      | 5.2              | 37309      | 2.1      | 5.3              | 36364      | 2.0      | 5.4              |
|                    | 7°F                         | 5°F     | 38114                  | 2.2      | 5.0              | 37619      | 2.1      | 5.1              | 36666      | 2.0      | 5.2              |
|                    | 17°F                        | 15°F    | 40000                  | 2.8      | 4.3              | 39480      | 2.7      | 4.3              | 38480      | 2.5      | 4.4              |
|                    | 28°F                        | 26°F    | 40750                  | 3.1      | 3.8              | 40220      | 3.0      | 3.9              | 39202      | 2.9      | 4.0              |
|                    | 38°F                        | 35°F    | 41375                  | 3.5      | 3.5              | 40837      | 3.4      | 3.6              | 39803      | 3.2      | 3.7              |
|                    | 47°F                        | 43°F    | 42000                  | 3.9      | 3.2              | 41454      | 3.8      | 3.2              | 40404      | 3.6      | 3.3              |
|                    | 57°F                        | 52°F    | 43260                  | 4.2      | 3.0              | 42698      | 4.1      | 3.1              | 41616      | 3.9      | 3.1              |
|                    | 68°F                        | 63°F    | 44940                  | 4.4      | 3.0              | 44356      | 4.3      | 3.0              | 43232      | 4.1      | 3.1              |
| 100%               | 77°F                        | 71°F    | 46200                  | 4.7      | 2.9              | 45599      | 4.5      | 3.0              | 44444      | 4.3      | 3.0              |
|                    | -22°F                       | -22.5°F | 28000                  | 1.6      | 5.0              | 27636      | 1.6      | 5.1              | 26936      | 1.5      | 5.2              |
|                    | -5°F                        | -6°F    | 33880                  | 2.0      | 5.1              | 33440      | 1.9      | 5.2              | 32593      | 1.8      | 5.3              |
|                    | 0°F                         | -1°F    | 35840                  | 2.1      | 5.1              | 35374      | 2.0      | 5.2              | 34478      | 1.9      | 5.4              |
|                    | 5°F                         | 3°F     | 37800                  | 2.2      | 5.2              | 37309      | 2.1      | 5.3              | 36364      | 2.0      | 5.4              |
|                    | 7°F                         | 5°F     | 38114                  | 2.2      | 5.0              | 37619      | 2.1      | 5.1              | 36666      | 2.0      | 5.2              |
|                    | 17°F                        | 15°F    | 40000                  | 2.8      | 4.3              | 39480      | 2.7      | 4.3              | 38480      | 2.5      | 4.4              |
|                    | 28°F                        | 26°F    | 40750                  | 3.1      | 3.8              | 40220      | 3.0      | 3.9              | 39202      | 2.9      | 4.0              |
|                    | 38°F                        | 35°F    | 41375                  | 3.5      | 3.5              | 40837      | 3.4      | 3.6              | 39803      | 3.2      | 3.7              |
|                    | 47°F                        | 43°F    | 42000                  | 3.9      | 3.2              | 41454      | 3.8      | 3.2              | 40404      | 3.6      | 3.3              |
|                    | 57°F                        | 52°F    | 43260                  | 4.2      | 3.0              | 42698      | 4.1      | 3.1              | 41616      | 3.9      | 3.1              |
|                    | 68°F                        | 63°F    | 44940                  | 4.4      | 3.0              | 44356      | 4.3      | 3.0              | 43232      | 4.1      | 3.1              |
|                    | 77°F                        | 71°F    | 46200                  | 4.7      | 2.9              | 45599      | 4.5      | 3.0              | 44444      | 4.3      | 3.0              |



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# EXTENDED RATINGS

MUL42HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 90%                | -22°F                       | -22.5°F | 26600                  | 1.6      | 5                | 26254      | 1.6      | 5                | 25589      | 1.5      | 5                |
|                    | -5°F                        | -6°F    | 32186                  | 1.9      | 5                | 31768      | 1.9      | 5                | 30963      | 1.8      | 5                |
|                    | 0°F                         | -1°F    | 34048                  | 2.0      | 5                | 33605      | 2.0      | 5                | 32754      | 1.9      | 5                |
|                    | 5°F                         | 3°F     | 35910                  | 2.1      | 5                | 35443      | 2.1      | 5                | 34545      | 2.0      | 5                |
|                    | 7°F                         | 5°F     | 36209                  | 2.2      | 5                | 35738      | 2.1      | 5                | 34833      | 2.0      | 5                |
|                    | 17°F                        | 15°F    | 38000                  | 2.7      | 4                | 37506      | 2.6      | 4                | 36556      | 2.5      | 4                |
|                    | 28°F                        | 26°F    | 38713                  | 3.1      | 4                | 38209      | 3.0      | 4                | 37241      | 2.8      | 4                |
|                    | 38°F                        | 35°F    | 39306                  | 3.4      | 3                | 38795      | 3.3      | 3                | 37813      | 3.2      | 4                |
|                    | 47°F                        | 43°F    | 39900                  | 3.9      | 3                | 39381      | 3.7      | 3                | 38384      | 3.6      | 3                |
|                    | 57°F                        | 52°F    | 41097                  | 4.2      | 3                | 40563      | 4.0      | 3                | 39535      | 3.8      | 3                |
|                    | 68°F                        | 63°F    | 42693                  | 4.4      | 3                | 42138      | 4.3      | 3                | 41071      | 4.1      | 3                |
|                    | 77°F                        | 71°F    | 43890                  | 4.6      | 3                | 43319      | 4.5      | 3                | 42222      | 4.3      | 3                |
| 80%                | -22°F                       | -22.5°F | 23240                  | 1.6      | 4                | 22938      | 1.6      | 4                | 22357      | 1.5      | 4                |
|                    | -5°F                        | -6°F    | 28120                  | 1.9      | 4                | 27755      | 1.8      | 4                | 27052      | 1.8      | 5                |
|                    | 0°F                         | -1°F    | 29747                  | 2.0      | 4                | 29360      | 1.9      | 4                | 28617      | 1.8      | 5                |
|                    | 5°F                         | 3°F     | 31374                  | 2.1      | 4                | 30966      | 2.0      | 4                | 30182      | 1.9      | 5                |
|                    | 7°F                         | 5°F     | 31635                  | 2.2      | 4                | 31224      | 2.1      | 4                | 30433      | 2.0      | 4                |
|                    | 17°F                        | 15°F    | 33200                  | 2.7      | 4                | 32768      | 2.6      | 4                | 31938      | 2.5      | 4                |
|                    | 28°F                        | 26°F    | 33823                  | 3.0      | 3                | 33383      | 2.9      | 3                | 32537      | 2.8      | 3                |
|                    | 38°F                        | 35°F    | 34341                  | 3.4      | 3                | 33895      | 3.3      | 3                | 33036      | 3.1      | 3                |
|                    | 47°F                        | 43°F    | 34860                  | 3.8      | 3                | 34407      | 3.7      | 3                | 33535      | 3.5      | 3                |
|                    | 57°F                        | 52°F    | 35906                  | 4.1      | 3                | 35439      | 4.0      | 3                | 34541      | 3.8      | 3                |
|                    | 68°F                        | 63°F    | 37300                  | 4.3      | 3                | 36815      | 4.2      | 3                | 35883      | 4.0      | 3                |
|                    | 77°F                        | 71°F    | 38346                  | 4.6      | 2                | 37848      | 4.4      | 3                | 36889      | 4.2      | 3                |



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## EXTENDED RATINGS

MUL42HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 70%                | -22°F                       | -22.5°F | 20160                  | 1.6      | 3.8              | 19898      | 1.5      | 4                | 19394      | 1.5      | 3.9              |
|                    | -5°F                        | -6°F    | 24394                  | 1.9      | 3.8              | 24076      | 1.8      | 4                | 23467      | 1.7      | 4.0              |
|                    | 0°F                         | -1°F    | 25805                  | 2.0      | 3.8              | 25469      | 1.9      | 4                | 24824      | 1.8      | 4.0              |
|                    | 5°F                         | 3°F     | 27216                  | 2.1      | 3.9              | 26862      | 2.0      | 4                | 26182      | 1.9      | 4.0              |
|                    | 7°F                         | 5°F     | 27442                  | 2.1      | 3.8              | 27086      | 2.1      | 4                | 26399      | 2.0      | 3.9              |
|                    | 17°F                        | 15°F    | 28800                  | 2.7      | 3.2              | 28426      | 2.6      | 3                | 27706      | 2.4      | 3.3              |
|                    | 28°F                        | 26°F    | 29340                  | 3.0      | 2.9              | 28959      | 2.9      | 3                | 28225      | 2.8      | 3.0              |
|                    | 38°F                        | 35°F    | 29790                  | 3.3      | 2.6              | 29403      | 3.2      | 3                | 28658      | 3.1      | 2.7              |
|                    | 47°F                        | 43°F    | 30240                  | 3.8      | 2.4              | 29847      | 3.6      | 2                | 29091      | 3.5      | 2.5              |
|                    | 57°F                        | 52°F    | 31147                  | 4.0      | 2.3              | 30742      | 3.9      | 2                | 29964      | 3.7      | 2.4              |
|                    | 68°F                        | 63°F    | 32357                  | 4.3      | 2.2              | 31936      | 4.1      | 2                | 31127      | 3.9      | 2.3              |
|                    | 77°F                        | 71°F    | 33264                  | 4.5      | 2.2              | 32832      | 4.3      | 2                | 32000      | 4.1      | 2.3              |
| 60%                | -22°F                       | -22.5°F | 17360                  | 1.6      | 3.3              | 17134      | 1.5      | 3                | 16700      | 1.4      | 3.4              |
|                    | -5°F                        | -6°F    | 21006                  | 1.9      | 3.3              | 20733      | 1.8      | 3                | 20207      | 1.7      | 3.5              |
|                    | 0°F                         | -1°F    | 22221                  | 2.0      | 3.3              | 21932      | 1.9      | 3                | 21376      | 1.8      | 3.5              |
|                    | 5°F                         | 3°F     | 23436                  | 2.1      | 3.3              | 23131      | 2.0      | 3                | 22545      | 1.9      | 3.5              |
|                    | 7°F                         | 5°F     | 23631                  | 2.1      | 3.3              | 23324      | 2.1      | 3                | 22733      | 2.0      | 3.4              |
|                    | 17°F                        | 15°F    | 24800                  | 2.6      | 2.8              | 24478      | 2.5      | 3                | 23858      | 2.4      | 2.9              |
|                    | 28°F                        | 26°F    | 25265                  | 3.0      | 2.5              | 24937      | 2.9      | 3                | 24305      | 2.7      | 2.6              |
|                    | 38°F                        | 35°F    | 25653                  | 3.3      | 2.3              | 25319      | 3.2      | 2                | 24678      | 3.1      | 2.4              |
|                    | 47°F                        | 43°F    | 26040                  | 3.7      | 2.0              | 25701      | 3.6      | 2                | 25050      | 3.4      | 2.1              |
|                    | 57°F                        | 52°F    | 26821                  | 4.0      | 2.0              | 26473      | 3.9      | 2                | 25802      | 3.7      | 2.0              |
|                    | 68°F                        | 63°F    | 27863                  | 4.2      | 1.9              | 27501      | 4.1      | 2                | 26804      | 3.9      | 2.0              |
|                    | 77°F                        | 71°F    | 28644                  | 4.5      | 1.9              | 28272      | 4.3      | 2                | 27556      | 4.1      | 2.0              |


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## EXTENDED RATINGS

MUL42HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 50%                | -22°F                       | -22.5°F | 14560                  | 1.6      | 2.8              | 14371      | 1.5      | 2.8              | 14007      | 1.4      | 2.9              |
|                    | -5°F                        | -6°F    | 17618                  | 1.8      | 2.8              | 17389      | 1.8      | 2.9              | 16948      | 1.7      | 2.9              |
|                    | 0°F                         | -1°F    | 18637                  | 1.9      | 2.8              | 18395      | 1.9      | 2.9              | 17929      | 1.8      | 2.9              |
|                    | 5°F                         | 3°F     | 19656                  | 2.0      | 2.8              | 19400      | 2.0      | 2.9              | 18909      | 1.9      | 3.0              |
|                    | 7°F                         | 5°F     | 19819                  | 2.1      | 2.8              | 19562      | 2.0      | 2.8              | 19066      | 1.9      | 2.9              |
|                    | 17°F                        | 15°F    | 20800                  | 2.6      | 2.3              | 20530      | 2.5      | 2.4              | 20010      | 2.4      | 2.4              |
|                    | 28°F                        | 26°F    | 21190                  | 2.9      | 2.1              | 20915      | 2.8      | 2.2              | 20385      | 2.7      | 2.2              |
|                    | 38°F                        | 35°F    | 21515                  | 3.3      | 1.9              | 21235      | 3.2      | 2.0              | 20697      | 3.0      | 2.0              |
|                    | 47°F                        | 43°F    | 21840                  | 3.7      | 1.7              | 21556      | 3.6      | 1.8              | 21010      | 3.4      | 1.8              |
|                    | 57°F                        | 52°F    | 22495                  | 4.0      | 1.7              | 22203      | 3.9      | 1.7              | 21640      | 3.7      | 1.7              |
|                    | 68°F                        | 63°F    | 23369                  | 4.2      | 1.6              | 23065      | 4.1      | 1.7              | 22481      | 3.9      | 1.7              |
|                    | 77°F                        | 71°F    | 24024                  | 4.4      | 1.6              | 23712      | 4.3      | 1.6              | 23111      | 4.1      | 1.7              |


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## EXTENDED RATINGS

## MUL48HPJ132OA

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 135%               | -22°F                            | 29784                  | 23082      | 78% | 16.8 | 1736.0           | 31786                 | 24730      | 78% | 17.4 | 1795.0           | 35755                 | 28032      | 78% | 18.4 | 1904.0           | 40582                 | 31857      | 79% | 19.9 | 2003.0           |
|                    | -4°F                             | 31685                  | 24556      | 78% | 16.8 | 1847.0           | 33815                 | 26308      | 78% | 17.4 | 1910.0           | 38037                 | 29821      | 78% | 18.4 | 2025.0           | 43172                 | 33890      | 79% | 19.9 | 2131.0           |
|                    | 5°F                              | 33707                  | 26123      | 78% | 16.8 | 1965.0           | 35973                 | 27987      | 78% | 17.4 | 2032.0           | 40465                 | 31725      | 78% | 18.4 | 2154.0           | 45928                 | 36053      | 79% | 19.9 | 2266.0           |
|                    | 14°F                             | 35859                  | 27791      | 78% | 16.8 | 2090.0           | 38270                 | 29774      | 78% | 17.4 | 2161.0           | 43048                 | 33750      | 78% | 18.4 | 2292.0           | 48859                 | 38355      | 79% | 19.9 | 2411.0           |
|                    | 23°F                             | 38148                  | 29565      | 78% | 16.8 | 2224.0           | 40712                 | 31674      | 78% | 17.4 | 2299.0           | 45796                 | 35904      | 78% | 18.4 | 2438.0           | 51978                 | 40803      | 79% | 19.9 | 2565.0           |
|                    | 32°F                             | 40583                  | 31452      | 78% | 16.8 | 2366.0           | 43311                 | 33696      | 78% | 17.4 | 2446.0           | 48719                 | 38195      | 78% | 18.4 | 2594.0           | 55296                 | 43407      | 79% | 19.9 | 2729.0           |
|                    | 41°F                             | 43173                  | 33459      | 78% | 16.8 | 2517.0           | 46075                 | 35847      | 78% | 17.4 | 2602.0           | 51828                 | 40633      | 78% | 18.4 | 2759.0           | 58825                 | 46178      | 79% | 19.9 | 2903.0           |
|                    | 50°F                             | 45929                  | 35595      | 78% | 16.8 | 2677.0           | 49016                 | 38135      | 78% | 17.4 | 2768.0           | 55137                 | 43227      | 78% | 18.4 | 2936.0           | 62580                 | 49125      | 79% | 19.9 | 3088.0           |
|                    | 59°F                             | 48860                  | 37867      | 78% | 16.8 | 2848.0           | 52145                 | 40569      | 78% | 17.4 | 2945.0           | 58656                 | 45986      | 78% | 18.4 | 3123.0           | 66575                 | 52261      | 79% | 19.9 | 3285.0           |
|                    | 68°F                             | 51979                  | 40284      | 78% | 16.8 | 3030.0           | 55474                 | 43158      | 78% | 17.4 | 3133.0           | 62400                 | 48922      | 78% | 18.4 | 3322.0           | 70824                 | 55597      | 79% | 19.9 | 3495.0           |
|                    | 77°F                             | 47981                  | 37185      | 78% | 15.2 | 3223.0           | 51206                 | 39839      | 78% | 15.7 | 3333.0           | 57600                 | 45158      | 78% | 16.7 | 3534.0           | 65376                 | 51320      | 79% | 18.0 | 3718.0           |
|                    | 86°F                             | 43982                  | 34086      | 78% | 13.7 | 3429.0           | 46939                 | 36519      | 78% | 14.2 | 3546.0           | 52800                 | 41395      | 78% | 15.0 | 3760.0           | 59928                 | 47043      | 79% | 16.2 | 3956.0           |
|                    | 95°F                             | 39984                  | 30988      | 78% | 12.4 | 3648.0           | 42672                 | 33199      | 78% | 12.8 | 3772.0           | 48000                 | 37632      | 78% | 13.6 | 4000.0           | 54480                 | 42767      | 79% | 14.6 | 4208.0           |
|                    | 104°F                            | 35986                  | 27889      | 78% | 10.6 | 3580.0           | 38405                 | 29879      | 78% | 10.9 | 3701.0           | 43200                 | 33869      | 78% | 11.6 | 3925.0           | 49032                 | 38490      | 79% | 12.5 | 4129.0           |
| 120%               | 113°F                            | 31987                  | 24790      | 78% | 9.1  | 3511.0           | 34138                 | 26559      | 78% | 9.4  | 3631.0           | 38400                 | 30106      | 78% | 10.0 | 3850.0           | 43584                 | 34213      | 79% | 10.8 | 4050.0           |
|                    | 118°F                            | 29588                  | 22931      | 78% | 7.9  | 3922.0           | 31577                 | 24567      | 78% | 8.2  | 4055.0           | 35520                 | 27848      | 78% | 8.7  | 4300.0           | 40315                 | 31647      | 79% | 9.4  | 4524.0           |
|                    | -22°F                            | 29784                  | 23082      | 78% | 16.8 | 1736.0           | 31786                 | 24730      | 78% | 17.4 | 1795.0           | 35755                 | 28032      | 78% | 18.4 | 1904.0           | 40582                 | 31857      | 79% | 19.9 | 2003.0           |
|                    | -4°F                             | 31685                  | 24556      | 78% | 16.8 | 1847.0           | 33815                 | 26308      | 78% | 17.4 | 1910.0           | 38037                 | 29821      | 78% | 18.4 | 2025.0           | 43172                 | 33890      | 79% | 19.9 | 2131.0           |
|                    | 5°F                              | 33707                  | 26123      | 78% | 16.8 | 1965.0           | 35973                 | 27987      | 78% | 17.4 | 2032.0           | 40465                 | 31725      | 78% | 18.4 | 2154.0           | 45928                 | 36053      | 79% | 19.9 | 2266.0           |
|                    | 14°F                             | 35859                  | 27791      | 78% | 16.8 | 2090.0           | 38270                 | 29774      | 78% | 17.4 | 2161.0           | 43048                 | 33750      | 78% | 18.4 | 2292.0           | 48859                 | 38355      | 79% | 19.9 | 2411.0           |
|                    | 23°F                             | 38148                  | 29565      | 78% | 16.8 | 2224.0           | 40712                 | 31674      | 78% | 17.4 | 2299.0           | 45796                 | 35904      | 78% | 18.4 | 2438.0           | 51978                 | 40803      | 79% | 19.9 | 2565.0           |
|                    | 32°F                             | 40583                  | 31452      | 78% | 16.8 | 2366.0           | 43311                 | 33696      | 78% | 17.4 | 2446.0           | 48719                 | 38195      | 78% | 18.4 | 2594.0           | 55296                 | 43407      | 79% | 19.9 | 2729.0           |
|                    | 41°F                             | 43173                  | 33459      | 78% | 16.8 | 2517.0           | 46075                 | 35847      | 78% | 17.4 | 2602.0           | 51828                 | 40633      | 78% | 18.4 | 2759.0           | 58825                 | 46178      | 79% | 19.9 | 2903.0           |
|                    | 50°F                             | 45929                  | 35595      | 78% | 16.8 | 2677.0           | 49016                 | 38135      | 78% | 17.4 | 2768.0           | 55137                 | 43227      | 78% | 18.4 | 2936.0           | 62580                 | 49125      | 79% | 19.9 | 3088.0           |
|                    | 59°F                             | 48860                  | 37867      | 78% | 16.8 | 2848.0           | 52145                 | 40569      | 78% | 17.4 | 2945.0           | 58656                 | 45986      | 78% | 18.4 | 3123.0           | 66575                 | 52261      | 79% | 19.9 | 3285.0           |
|                    | 68°F                             | 51979                  | 40284      | 78% | 16.8 | 3030.0           | 55474                 | 43158      | 78% | 17.4 | 3133.0           | 62400                 | 48922      | 78% | 18.4 | 3322.0           | 70824                 | 55597      | 79% | 19.9 | 3495.0           |
|                    | 77°F                             | 47981                  | 37185      | 78% | 15.2 | 3223.0           | 51206                 | 39839      | 78% | 15.7 | 3333.0           | 57600                 | 45158      | 78% | 16.7 | 3534.0           | 65376                 | 51320      | 79% | 18.0 | 3718.0           |
|                    | 86°F                             | 43982                  | 34086      | 78% | 13.7 | 3429.0           | 46939                 | 36519      | 78% | 14.2 | 3546.0           | 52800                 | 41395      | 78% | 15.0 | 3760.0           | 59928                 | 47043      | 79% | 16.2 | 3956.0           |
|                    | 95°F                             | 39984                  | 30988      | 78% | 12.4 | 3648.0           | 42672                 | 33199      | 78% | 12.8 | 3772.0           | 48000                 | 37632      | 78% | 13.6 | 4000.0           | 54480                 | 42767      | 79% | 14.6 | 4208.0           |
|                    | 104°F                            | 35986                  | 27889      | 78% | 10.6 | 3580.0           | 38405                 | 29879      | 78% | 10.9 | 3701.0           | 43200                 | 33869      | 78% | 11.6 | 3925.0           | 49032                 | 38490      | 79% | 12.5 | 4129.0           |
|                    | 113°F                            | 31987                  | 24790      | 78% | 9.1  | 3511.0           | 34138                 | 26559      | 78% | 9.4  | 3631.0           | 38400                 | 30106      | 78% | 10.0 | 3850.0           | 43584                 | 34213      | 79% | 10.8 | 4050.0           |
|                    | 118°F                            | 29588                  | 22931      | 78% | 7.9  | 3922.0           | 31577                 | 24567      | 78% | 8.2  | 4055.0           | 35520                 | 27848      | 78% | 8.7  | 4300.0           | 40315                 | 31647      | 79% | 9.4  | 4524.0           |


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## EXTENDED RATINGS

MUL48HPJ1320A

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 110%               | -22°F                            | 29784                  | 23082      | 78% | 16.8 | 1736.0           | 31786                 | 24730      | 78% | 17.4 | 1795.0           | 35755                 | 28032      | 78% | 18.4 | 1904.0           | 40582                 | 31857      | 79% | 19.9 | 2003.0           |
|                    | -4°F                             | 31685                  | 24556      | 78% | 16.8 | 1847.0           | 33815                 | 26308      | 78% | 17.4 | 1910.0           | 38037                 | 29821      | 78% | 18.4 | 2025.0           | 43172                 | 33890      | 79% | 19.9 | 2131.0           |
|                    | 5°F                              | 33707                  | 26123      | 78% | 16.8 | 1965.0           | 35973                 | 27987      | 78% | 17.4 | 2032.0           | 40465                 | 31725      | 78% | 18.4 | 2154.0           | 45928                 | 36053      | 79% | 19.9 | 2266.0           |
|                    | 14°F                             | 35859                  | 27791      | 78% | 16.8 | 2090.0           | 38270                 | 29774      | 78% | 17.4 | 2161.0           | 43048                 | 33750      | 78% | 18.4 | 2292.0           | 48859                 | 38355      | 79% | 19.9 | 2411.0           |
|                    | 23°F                             | 38148                  | 29565      | 78% | 16.8 | 2224.0           | 40712                 | 31674      | 78% | 17.4 | 2299.0           | 45796                 | 35904      | 78% | 18.4 | 2438.0           | 51978                 | 40803      | 79% | 19.9 | 2565.0           |
|                    | 32°F                             | 40583                  | 31452      | 78% | 16.8 | 2366.0           | 43311                 | 33696      | 78% | 17.4 | 2446.0           | 48719                 | 38195      | 78% | 18.4 | 2594.0           | 55296                 | 43407      | 79% | 19.9 | 2729.0           |
|                    | 41°F                             | 43173                  | 33459      | 78% | 16.8 | 2517.0           | 46075                 | 35847      | 78% | 17.4 | 2602.0           | 51828                 | 40633      | 78% | 18.4 | 2759.0           | 58825                 | 46178      | 79% | 19.9 | 2903.0           |
|                    | 50°F                             | 45929                  | 35595      | 78% | 16.8 | 2677.0           | 49016                 | 38135      | 78% | 17.4 | 2768.0           | 55137                 | 43227      | 78% | 18.4 | 2936.0           | 62580                 | 49125      | 79% | 19.9 | 3088.0           |
|                    | 59°F                             | 48860                  | 37867      | 78% | 16.8 | 2848.0           | 52145                 | 40569      | 78% | 17.4 | 2945.0           | 58656                 | 45986      | 78% | 18.4 | 3123.0           | 66575                 | 52261      | 79% | 19.9 | 3285.0           |
|                    | 68°F                             | 51979                  | 40284      | 78% | 16.8 | 3030.0           | 55474                 | 43158      | 78% | 17.4 | 3133.0           | 62400                 | 48922      | 78% | 18.4 | 3322.0           | 70824                 | 55597      | 79% | 19.9 | 3495.0           |
|                    | 77°F                             | 47981                  | 37185      | 78% | 15.2 | 3223.0           | 51206                 | 39839      | 78% | 15.7 | 3333.0           | 57600                 | 45158      | 78% | 16.7 | 3534.0           | 65376                 | 51320      | 79% | 18.0 | 3718.0           |
|                    | 86°F                             | 43982                  | 34086      | 78% | 13.7 | 3429.0           | 46939                 | 36519      | 78% | 14.2 | 3546.0           | 52800                 | 41395      | 78% | 15.0 | 3760.0           | 59928                 | 47043      | 79% | 16.2 | 3956.0           |
|                    | 95°F                             | 39984                  | 30988      | 78% | 12.4 | 3648.0           | 42672                 | 33199      | 78% | 12.8 | 3772.0           | 48000                 | 37632      | 78% | 13.6 | 4000.0           | 54480                 | 42767      | 79% | 14.6 | 4208.0           |
|                    | 104°F                            | 35986                  | 27889      | 78% | 10.6 | 3580.0           | 38405                 | 29879      | 78% | 10.9 | 3701.0           | 43200                 | 33869      | 78% | 11.6 | 3925.0           | 49032                 | 38490      | 79% | 12.5 | 4129.0           |
| 100%               | 113°F                            | 31987                  | 24790      | 78% | 9.1  | 3511.0           | 34138                 | 26559      | 78% | 9.4  | 3631.0           | 38400                 | 30106      | 78% | 10.0 | 3850.0           | 43584                 | 34213      | 79% | 10.8 | 4050.0           |
|                    | 118°F                            | 29588                  | 22931      | 78% | 7.9  | 3922.0           | 31577                 | 24567      | 78% | 8.2  | 4055.0           | 35520                 | 27848      | 78% | 8.7  | 4300.0           | 40315                 | 31647      | 79% | 9.4  | 4524.0           |
|                    | -22°F                            | 29784                  | 23082      | 78% | 16.8 | 1736             | 31786                 | 24730      | 78% | 17.4 | 1795             | 35755                 | 28032      | 78% | 18.4 | 1904             | 40582                 | 31857      | 79% | 19.9 | 2003             |
|                    | -4°F                             | 31685                  | 24556      | 78% | 16.8 | 1847             | 33815                 | 26308      | 78% | 17.4 | 1910             | 38037                 | 29821      | 78% | 18.4 | 2025             | 43172                 | 33890      | 79% | 19.9 | 2131             |
|                    | 5°F                              | 33707                  | 26123      | 78% | 16.8 | 1965             | 35973                 | 27987      | 78% | 17.4 | 2032             | 40465                 | 31725      | 78% | 18.4 | 2154             | 45928                 | 36053      | 79% | 19.9 | 2266             |
|                    | 14°F                             | 35859                  | 27791      | 78% | 16.8 | 2090             | 38270                 | 29774      | 78% | 17.4 | 2161             | 43048                 | 33750      | 78% | 18.4 | 2292             | 48859                 | 38355      | 79% | 19.9 | 2411             |
|                    | 23°F                             | 38148                  | 29565      | 78% | 16.8 | 2224             | 40712                 | 31674      | 78% | 17.4 | 2299             | 45796                 | 35904      | 78% | 18.4 | 2438             | 51978                 | 40803      | 79% | 19.9 | 2565             |
|                    | 32°F                             | 40583                  | 31452      | 78% | 16.8 | 2366             | 43311                 | 33696      | 78% | 17.4 | 2446             | 48719                 | 38195      | 78% | 18.4 | 2594             | 55296                 | 43407      | 79% | 19.9 | 2729             |
|                    | 41°F                             | 43173                  | 33459      | 78% | 16.8 | 2517             | 46075                 | 35847      | 78% | 17.4 | 2602             | 51828                 | 40633      | 78% | 18.4 | 2759             | 58825                 | 46178      | 79% | 19.9 | 2903             |
|                    | 50°F                             | 45929                  | 35595      | 78% | 16.8 | 2677             | 49016                 | 38135      | 78% | 17.4 | 2768             | 55137                 | 43227      | 78% | 18.4 | 2936             | 62580                 | 49125      | 79% | 19.9 | 3088             |
|                    | 59°F                             | 48860                  | 37867      | 78% | 16.8 | 2848             | 52145                 | 40569      | 78% | 17.4 | 2945             | 58656                 | 45986      | 78% | 18.4 | 3123             | 66575                 | 52261      | 79% | 19.9 | 3285             |
|                    | 68°F                             | 51979                  | 40284      | 78% | 16.8 | 3030             | 55474                 | 43158      | 78% | 17.4 | 3133             | 62400                 | 48922      | 78% | 18.4 | 3322             | 70824                 | 55597      | 79% | 19.9 | 3495             |
|                    | 77°F                             | 47981                  | 37185      | 78% | 15.2 | 3223             | 51206                 | 39839      | 78% | 15.7 | 3333             | 57600                 | 45158      | 78% | 16.7 | 3534             | 65376                 | 51320      | 79% | 18.0 | 3718             |
|                    | 86°F                             | 43982                  | 34086      | 78% | 13.7 | 3429             | 46939                 | 36519      | 78% | 14.2 | 3546             | 52800                 | 41395      | 78% | 15.0 | 3760             | 59928                 | 47043      | 79% | 16.2 | 3956             |
|                    | 95°F                             | 39984                  | 30988      | 78% | 12.4 | 3648             | 42672                 | 33199      | 78% | 12.8 | 3772             | 48000                 | 37632      | 78% | 13.6 | 4000             | 54480                 | 42767      | 79% | 14.6 | 4208             |
|                    | 104°F                            | 35986                  | 27889      | 78% | 10.6 | 3580             | 38405                 | 29879      | 78% | 10.9 | 3701             | 43200                 | 33869      | 78% | 11.6 | 3925             | 49032                 | 38490      | 79% | 12.5 | 4129             |
|                    | 113°F                            | 31987                  | 24790      | 78% | 9.1  | 3511             | 34138                 | 26559      | 78% | 9.4  | 3631             | 38400                 | 30106      | 78% | 10.0 | 3850             | 43584                 | 34213      | 79% | 10.8 | 4050             |
|                    | 118°F                            | 29588                  | 22931      | 78% | 7.9  | 3922             | 31577                 | 24567      | 78% | 8.2  | 4055             | 35520                 | 27848      | 78% | 8.7  | 4300             | 40315                 | 31647      | 79% | 9.4  | 4524             |


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## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 90%                | -22°F                            | 27997                  | 21697      | 78% | 17.0 | 1649.0           | 29879                 | 23246      | 78% | 17.5 | 1705.0           | 33610                 | 26350      | 78% | 18.6 | 1809.0           | 38147                 | 29946      | 79% | 20.1 | 1903.0           |
|                    | -4°F                             | 29784                  | 23083      | 78% | 17.0 | 1755.0           | 31786                 | 24730      | 78% | 17.5 | 1815.0           | 35755                 | 28032      | 78% | 18.6 | 1924.0           | 40582                 | 31857      | 79% | 20.1 | 2024.0           |
|                    | 5°F                              | 31685                  | 24556      | 78% | 17.0 | 1867.0           | 33815                 | 26308      | 78% | 17.5 | 1930.0           | 38037                 | 29822      | 78% | 18.6 | 2046.0           | 43172                 | 33890      | 79% | 20.1 | 2153.0           |
|                    | 14°F                             | 33707                  | 26124      | 78% | 17.0 | 1986.0           | 35974                 | 27988      | 78% | 17.5 | 2053.0           | 40465                 | 31725      | 78% | 18.6 | 2177.0           | 45927                 | 36054      | 79% | 20.1 | 2290.0           |
|                    | 23°F                             | 35859                  | 27791      | 78% | 17.0 | 2113.0           | 38269                 | 29774      | 78% | 17.5 | 2184.0           | 43048                 | 33750      | 78% | 18.6 | 2316.0           | 48859                 | 38355      | 79% | 20.1 | 2437.0           |
|                    | 32°F                             | 38148                  | 29565      | 78% | 17.0 | 2248.0           | 40712                 | 31674      | 78% | 17.5 | 2324.0           | 45796                 | 35903      | 78% | 18.6 | 2464.0           | 51978                 | 40803      | 79% | 20.1 | 2593.0           |
|                    | 41°F                             | 40583                  | 31451      | 78% | 17.0 | 2391.0           | 43311                 | 33696      | 78% | 17.5 | 2472.0           | 48718                 | 38195      | 78% | 18.6 | 2621.0           | 55296                 | 43407      | 79% | 20.1 | 2758.0           |
|                    | 50°F                             | 43173                  | 33459      | 78% | 17.0 | 2543.0           | 46075                 | 35847      | 78% | 17.5 | 2630.0           | 51829                 | 40633      | 78% | 18.6 | 2789.0           | 58825                 | 46178      | 79% | 20.1 | 2934.0           |
|                    | 59°F                             | 45928                  | 35595      | 78% | 17.0 | 2706.0           | 49016                 | 38135      | 78% | 17.5 | 2798.0           | 55137                 | 43227      | 78% | 18.6 | 2967.0           | 62581                 | 49125      | 79% | 20.1 | 3121.0           |
|                    | 68°F                             | 48860                  | 37867      | 78% | 17.0 | 2879.0           | 52146                 | 40569      | 78% | 17.5 | 2976.0           | 58656                 | 45987      | 78% | 18.6 | 3156.0           | 66575                 | 52261      | 79% | 20.1 | 3320.0           |
|                    | 77°F                             | 45102                  | 34954      | 78% | 14.7 | 3062.0           | 48134                 | 37449      | 78% | 15.2 | 3166.0           | 54144                 | 42449      | 78% | 16.1 | 3357.0           | 61453                 | 48241      | 79% | 17.4 | 3532.0           |
|                    | 86°F                             | 41343                  | 32041      | 78% | 12.7 | 3258.0           | 44123                 | 34328      | 78% | 13.1 | 3369.0           | 49632                 | 38911      | 78% | 13.9 | 3572.0           | 56332                 | 44220      | 79% | 15.0 | 3758.0           |
|                    | 95°F                             | 37585                  | 29129      | 78% | 10.9 | 3466.0           | 40112                 | 31207      | 78% | 11.2 | 3583.0           | 45120                 | 35374      | 78% | 11.9 | 3800.0           | 51211                 | 40201      | 79% | 12.8 | 3998.0           |
|                    | 104°F                            | 33827                  | 26216      | 78% | 10.0 | 3401.0           | 36101                 | 28086      | 78% | 10.3 | 3516.0           | 40608                 | 31837      | 78% | 10.9 | 3729.0           | 46090                 | 36181      | 79% | 11.8 | 3923.0           |
|                    | 113°F                            | 30068                  | 23303      | 78% | 9.0  | 3335.0           | 32090                 | 24965      | 78% | 9.3  | 3449.0           | 36096                 | 28300      | 78% | 9.9  | 3658.0           | 40969                 | 32160      | 79% | 10.7 | 3848.0           |
|                    | 118°F                            | 27813                  | 21555      | 78% | 7.5  | 3726.0           | 29682                 | 23093      | 78% | 7.7  | 3852.0           | 33389                 | 26177      | 78% | 8.2  | 4085.0           | 37896                 | 29748      | 79% | 8.8  | 4298.0           |
| 80%                | -22°F                            | 24423                  | 18927      | 78% | 16.6 | 1476.0           | 26065                 | 20279      | 78% | 17.1 | 1526.0           | 29319                 | 22986      | 78% | 18.1 | 1618.0           | 33277                 | 26123      | 79% | 19.6 | 1703.0           |
|                    | -4°F                             | 25982                  | 20136      | 78% | 16.6 | 1570.0           | 27728                 | 21573      | 78% | 17.1 | 1624.0           | 31190                 | 24453      | 78% | 18.1 | 1721.0           | 35401                 | 27790      | 79% | 19.5 | 1811.0           |
|                    | 5°F                              | 27640                  | 21421      | 78% | 16.6 | 1670.0           | 29498                 | 22949      | 78% | 17.1 | 1727.0           | 33181                 | 26015      | 78% | 18.1 | 1831.0           | 37661                 | 29563      | 79% | 19.6 | 1926.0           |
|                    | 14°F                             | 29404                  | 22789      | 78% | 16.6 | 1777.0           | 31381                 | 24415      | 78% | 17.1 | 1837.0           | 35299                 | 27675      | 78% | 18.1 | 1948.0           | 40064                 | 31451      | 79% | 19.6 | 2049.0           |
|                    | 23°F                             | 31281                  | 24243      | 78% | 16.6 | 1890.0           | 33384                 | 25973      | 78% | 17.1 | 1954.0           | 37553                 | 29441      | 78% | 18.1 | 2072.0           | 42622                 | 33458      | 79% | 19.6 | 2180.0           |
|                    | 32°F                             | 33278                  | 25791      | 78% | 16.6 | 2011.0           | 35515                 | 27631      | 78% | 17.1 | 2079.0           | 39950                 | 31320      | 78% | 18.1 | 2205.0           | 45343                 | 35594      | 79% | 19.6 | 2320.0           |
|                    | 41°F                             | 35402                  | 27436      | 78% | 16.6 | 2139.0           | 37782                 | 29395      | 78% | 17.1 | 2212.0           | 42499                 | 33319      | 78% | 18.1 | 2345.0           | 48237                 | 37866      | 79% | 19.6 | 2468.0           |
|                    | 50°F                             | 37662                  | 29188      | 78% | 16.6 | 2275.0           | 40193                 | 31271      | 78% | 17.1 | 2353.0           | 45212                 | 35446      | 78% | 18.1 | 2496.0           | 51316                 | 40283      | 79% | 19.6 | 2625.0           |
|                    | 59°F                             | 40065                  | 31051      | 78% | 16.6 | 2421.0           | 42759                 | 33267      | 78% | 17.1 | 2503.0           | 48098                 | 37709      | 78% | 18.1 | 2655.0           | 54592                 | 42854      | 79% | 19.6 | 2792.0           |
|                    | 68°F                             | 42623                  | 33033      | 78% | 16.6 | 2576.0           | 45489                 | 35390      | 78% | 17.1 | 2663.0           | 51168                 | 40116      | 78% | 18.1 | 2824.0           | 58076                 | 45590      | 79% | 19.6 | 2971.0           |
|                    | 77°F                             | 39344                  | 30492      | 78% | 14.4 | 2740.0           | 41989                 | 32668      | 78% | 14.8 | 2833.0           | 47232                 | 37030      | 78% | 15.7 | 3004.0           | 53608                 | 42082      | 79% | 17.0 | 3160.0           |
|                    | 86°F                             | 36065                  | 27951      | 78% | 12.4 | 2915.0           | 38490                 | 29946      | 78% | 12.8 | 3014.0           | 43296                 | 33944      | 78% | 13.6 | 3196.0           | 49141                 | 38575      | 79% | 14.6 | 3363.0           |
|                    | 95°F                             | 32787                  | 25410      | 78% | 10.6 | 3101.0           | 34991                 | 27223      | 78% | 10.9 | 3206.0           | 39360                 | 30858      | 78% | 11.6 | 3400.0           | 44674                 | 35069      | 79% | 12.5 | 3577.0           |
|                    | 104°F                            | 29509                  | 22869      | 78% | 9.7  | 3043.0           | 31492                 | 24501      | 78% | 10.0 | 3146.0           | 35424                 | 27773      | 78% | 10.6 | 3336.0           | 40206                 | 31562      | 79% | 11.5 | 3510.0           |
|                    | 113°F                            | 26229                  | 20328      | 78% | 8.8  | 2984.0           | 27993                 | 21778      | 78% | 9.1  | 3086.0           | 31488                 | 24687      | 78% | 9.6  | 3273.0           | 35739                 | 28055      | 79% | 10.4 | 3443.0           |
|                    | 118°F                            | 24262                  | 18803      | 78% | 7.3  | 3334.0           | 25893                 | 20145      | 78% | 7.5  | 3447.0           | 29126                 | 22835      | 78% | 8.0  | 3655.0           | 33058                 | 25951      | 79% | 8.6  | 3845.0           |





## EXTENDED RATINGS

MUL48HPJ132OA

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 70%                | -22°F                            | 21444                  | 16619      | 78% | 16.5 | 1302.0           | 22886                 | 17806      | 78% | 17.0 | 1346.0           | 25744                 | 20183      | 78% | 18.0 | 1428.0           | 29219                 | 22937      | 79% | 19.5 | 1502.0           |
|                    | -4°F                             | 22813                  | 17680      | 78% | 16.5 | 1385.0           | 24347                 | 18942      | 78% | 17.0 | 1433.0           | 27387                 | 21471      | 78% | 18.0 | 1519.0           | 31084                 | 24401      | 79% | 19.5 | 1598.0           |
|                    | 5°F                              | 24269                  | 18809      | 78% | 16.5 | 1474.0           | 25901                 | 20151      | 78% | 17.0 | 1524.0           | 29135                 | 22842      | 78% | 18.0 | 1616.0           | 33068                 | 25958      | 79% | 19.5 | 1700.0           |
|                    | 14°F                             | 25818                  | 20010      | 78% | 16.5 | 1568.0           | 27554                 | 21437      | 78% | 17.0 | 1621.0           | 30995                 | 24300      | 78% | 18.0 | 1719.0           | 35178                 | 27616      | 79% | 19.5 | 1808.0           |
|                    | 23°F                             | 27467                  | 21287      | 78% | 16.5 | 1668.0           | 29313                 | 22805      | 78% | 17.0 | 1724.0           | 32973                 | 25851      | 78% | 18.0 | 1829.0           | 37424                 | 29378      | 79% | 19.5 | 1924.0           |
|                    | 32°F                             | 29220                  | 22645      | 78% | 16.5 | 1775.0           | 31184                 | 24261      | 78% | 17.0 | 1835.0           | 35078                 | 27500      | 78% | 18.0 | 1946.0           | 39813                 | 31253      | 79% | 19.5 | 2047.0           |
|                    | 41°F                             | 31085                  | 24090      | 78% | 16.5 | 1888.0           | 33174                 | 25810      | 78% | 17.0 | 1952.0           | 37316                 | 29256      | 78% | 18.0 | 2069.0           | 42354                 | 33248      | 79% | 19.5 | 2177.0           |
|                    | 50°F                             | 33069                  | 25628      | 78% | 16.5 | 2008.0           | 35292                 | 27457      | 78% | 17.0 | 2076.0           | 39699                 | 31123      | 78% | 18.0 | 2202.0           | 45058                 | 35370      | 79% | 19.5 | 2316.0           |
|                    | 59°F                             | 35179                  | 27264      | 78% | 16.5 | 2136.0           | 37544                 | 29210      | 78% | 17.0 | 2209.0           | 42232                 | 33110      | 78% | 18.0 | 2342.0           | 47934                 | 37628      | 79% | 19.5 | 2464.0           |
|                    | 68°F                             | 37425                  | 29004      | 78% | 16.5 | 2273.0           | 39941                 | 31074      | 78% | 17.0 | 2350.0           | 44928                 | 35224      | 78% | 18.0 | 2492.0           | 50993                 | 40030      | 79% | 19.5 | 2621.0           |
|                    | 77°F                             | 34546                  | 26773      | 78% | 14.3 | 2417.0           | 36868                 | 28684      | 78% | 14.8 | 2500.0           | 41472                 | 32514      | 78% | 15.7 | 2651.0           | 47071                 | 36950      | 79% | 16.9 | 2789.0           |
|                    | 86°F                             | 31667                  | 24542      | 78% | 12.3 | 2572.0           | 33796                 | 26294      | 78% | 12.7 | 2660.0           | 38016                 | 29804      | 78% | 13.5 | 2820.0           | 43148                 | 33871      | 79% | 14.5 | 2967.0           |
|                    | 95°F                             | 28788                  | 22311      | 78% | 10.5 | 2736.0           | 30724                 | 23903      | 78% | 10.9 | 2829.0           | 34560                 | 27095      | 78% | 11.5 | 3000.0           | 39226                 | 30792      | 79% | 12.4 | 3156.0           |
|                    | 104°F                            | 25910                  | 20080      | 78% | 9.7  | 2685.0           | 27652                 | 21513      | 78% | 10.0 | 2776.0           | 31104                 | 24386      | 78% | 10.6 | 2944.0           | 35303                 | 27713      | 79% | 11.4 | 3097.0           |
| 60%                | 113°F                            | 23031                  | 17849      | 78% | 8.8  | 2633.0           | 24579                 | 19122      | 78% | 9.0  | 2723.0           | 27648                 | 21676      | 78% | 9.6  | 2888.0           | 31380                 | 24633      | 79% | 10.3 | 3038.0           |
|                    | 118°F                            | 21303                  | 16510      | 78% | 7.2  | 2942.0           | 22735                 | 17688      | 78% | 7.5  | 3041.0           | 25574                 | 20051      | 78% | 7.9  | 3225.0           | 29027                 | 22786      | 79% | 8.6  | 3393.0           |
|                    | -22°F                            | 18466                  | 14311      | 78% | 16.4 | 1128.0           | 19707                 | 15333      | 78% | 16.9 | 1167.0           | 22168                 | 17380      | 78% | 17.9 | 1238.0           | 25161                 | 19751      | 79% | 19.3 | 1302.0           |
|                    | -4°F                             | 19645                  | 15225      | 78% | 16.4 | 1201.0           | 20965                 | 16311      | 78% | 16.9 | 1242.0           | 23583                 | 18489      | 78% | 17.9 | 1316.0           | 26767                 | 21012      | 79% | 19.3 | 1385.0           |
|                    | 5°F                              | 20898                  | 16196      | 78% | 16.4 | 1277.0           | 22303                 | 17352      | 78% | 16.9 | 1321.0           | 25088                 | 19670      | 78% | 17.9 | 1400.0           | 28475                 | 22353      | 79% | 19.3 | 1473.0           |
|                    | 14°F                             | 22233                  | 17230      | 78% | 16.4 | 1359.0           | 23727                 | 18460      | 78% | 16.9 | 1405.0           | 26690                 | 20925      | 78% | 17.9 | 1490.0           | 30293                 | 23780      | 79% | 19.3 | 1567.0           |
|                    | 23°F                             | 23652                  | 18330      | 78% | 16.4 | 1446.0           | 25241                 | 19638      | 78% | 16.9 | 1494.0           | 28394                 | 22260      | 78% | 17.9 | 1585.0           | 32226                 | 25298      | 79% | 19.3 | 1667.0           |
|                    | 32°F                             | 25161                  | 19500      | 78% | 16.4 | 1538.0           | 26853                 | 20892      | 78% | 16.9 | 1590.0           | 30206                 | 23681      | 78% | 17.9 | 1686.0           | 34284                 | 26912      | 79% | 19.3 | 1774.0           |
|                    | 41°F                             | 26767                  | 20745      | 78% | 16.4 | 1636.0           | 28567                 | 22225      | 78% | 16.9 | 1691.0           | 32133                 | 25192      | 78% | 17.9 | 1793.0           | 36472                 | 28630      | 79% | 19.3 | 1887.0           |
|                    | 50°F                             | 28476                  | 22069      | 78% | 16.4 | 1740.0           | 30390                 | 23644      | 78% | 16.9 | 1799.0           | 34185                 | 26801      | 78% | 17.9 | 1908.0           | 38800                 | 30458      | 79% | 19.3 | 2007.0           |
|                    | 59°F                             | 30293                  | 23478      | 78% | 16.4 | 1851.0           | 32330                 | 25153      | 78% | 16.9 | 1914.0           | 36367                 | 28511      | 78% | 17.9 | 2030.0           | 41277                 | 32402      | 79% | 19.3 | 2135.0           |
|                    | 68°F                             | 32227                  | 24976      | 78% | 16.4 | 1970.0           | 34394                 | 26758      | 78% | 16.9 | 2036.0           | 38688                 | 30332      | 78% | 17.9 | 2159.0           | 43911                 | 34470      | 79% | 19.3 | 2272.0           |
|                    | 77°F                             | 29748                  | 23055      | 78% | 14.2 | 2095.0           | 31748                 | 24700      | 78% | 14.7 | 2166.0           | 35712                 | 27998      | 78% | 15.6 | 2297.0           | 40533                 | 31818      | 79% | 16.8 | 2417.0           |
|                    | 86°F                             | 27269                  | 21133      | 78% | 12.2 | 2229.0           | 29102                 | 22642      | 78% | 12.6 | 2305.0           | 32736                 | 25665      | 78% | 13.4 | 2444.0           | 37155                 | 29167      | 79% | 14.5 | 2571.0           |
|                    | 95°F                             | 24790                  | 19213      | 78% | 10.5 | 2371.0           | 26457                 | 20583      | 78% | 10.8 | 2452.0           | 29760                 | 23332      | 78% | 11.5 | 2600.0           | 33778                 | 26516      | 79% | 12.4 | 2735.0           |
|                    | 104°F                            | 22311                  | 17291      | 78% | 9.6  | 2327.0           | 23811                 | 18525      | 78% | 9.9  | 2406.0           | 26784                 | 20999      | 78% | 10.5 | 2551.0           | 30400                 | 23864      | 79% | 11.3 | 2684.0           |
|                    | 113°F                            | 19832                  | 15370      | 78% | 8.7  | 2282.0           | 21166                 | 16467      | 78% | 9.0  | 2360.0           | 23808                 | 18666      | 78% | 9.5  | 2503.0           | 27022                 | 21212      | 79% | 10.3 | 2633.0           |
|                    | 118°F                            | 18345                  | 14217      | 78% | 7.2  | 2549.0           | 19578                 | 15232      | 78% | 7.4  | 2636.0           | 22022                 | 17266      | 78% | 7.9  | 2795.0           | 24995                 | 19621      | 79% | 8.5  | 2941.0           |


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## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 50%                | -22°F                            | 15488                  | 12003      | 78% | 16.2 | 955.0            | 16529                 | 12860      | 78% | 16.7 | 987.0            | 18593                 | 14577      | 78% | 17.8 | 1047.0           | 21103                 | 16566      | 79% | 19.2 | 1102.0           |
|                    | -4°F                             | 16476                  | 12769      | 78% | 16.2 | 1016.0           | 17584                 | 13680      | 78% | 16.7 | 1051.0           | 19779                 | 15507      | 78% | 17.8 | 1114.0           | 22449                 | 17623      | 79% | 19.2 | 1172.0           |
|                    | 5°F                              | 17528                  | 13584      | 78% | 16.2 | 1081.0           | 18706                 | 14553      | 78% | 16.7 | 1118.0           | 21042                 | 16497      | 78% | 17.8 | 1185.0           | 23883                 | 18748      | 79% | 19.2 | 1246.0           |
|                    | 14°F                             | 18647                  | 14451      | 78% | 16.2 | 1150.0           | 19900                 | 15482      | 78% | 16.7 | 1189.0           | 22385                 | 17550      | 78% | 17.8 | 1261.0           | 25407                 | 19945      | 79% | 19.2 | 1326.0           |
|                    | 23°F                             | 19837                  | 15374      | 78% | 16.2 | 1223.0           | 21170                 | 16470      | 78% | 16.7 | 1264.0           | 23814                 | 18670      | 78% | 17.8 | 1341.0           | 27029                 | 21218      | 79% | 19.2 | 1411.0           |
|                    | 32°F                             | 21103                  | 16355      | 78% | 16.2 | 1301.0           | 22522                 | 17522      | 78% | 16.7 | 1345.0           | 25334                 | 19861      | 78% | 17.8 | 1427.0           | 28754                 | 22572      | 79% | 19.2 | 1501.0           |
|                    | 41°F                             | 22450                  | 17399      | 78% | 16.2 | 1384.0           | 23959                 | 18640      | 78% | 16.7 | 1431.0           | 26951                 | 21129      | 78% | 17.8 | 1517.0           | 30589                 | 24013      | 79% | 19.2 | 1597.0           |
|                    | 50°F                             | 23883                  | 18509      | 78% | 16.2 | 1472.0           | 25488                 | 19830      | 78% | 16.7 | 1522.0           | 28671                 | 22478      | 78% | 17.8 | 1615.0           | 32542                 | 25545      | 79% | 19.2 | 1698.0           |
|                    | 59°F                             | 25407                  | 19691      | 78% | 16.2 | 1566.0           | 27115                 | 21096      | 78% | 16.7 | 1620.0           | 30501                 | 23913      | 78% | 17.8 | 1718.0           | 34619                 | 27176      | 79% | 19.2 | 1807.0           |
|                    | 68°F                             | 27029                  | 20948      | 78% | 16.2 | 1667.0           | 28846                 | 22442      | 78% | 16.7 | 1723.0           | 32448                 | 25439      | 78% | 17.8 | 1827.0           | 36828                 | 28910      | 79% | 19.2 | 1922.0           |
|                    | 77°F                             | 24950                  | 19336      | 78% | 14.1 | 1773.0           | 26627                 | 20716      | 78% | 14.5 | 1833.0           | 29952                 | 23482      | 78% | 15.4 | 1944.0           | 33996                 | 26686      | 79% | 16.6 | 2045.0           |
|                    | 86°F                             | 22871                  | 17725      | 78% | 12.1 | 1886.0           | 24408                 | 18990      | 78% | 12.5 | 1950.0           | 27456                 | 21525      | 78% | 13.3 | 2068.0           | 31163                 | 24462      | 79% | 14.3 | 2176.0           |
|                    | 95°F                             | 20792                  | 16114      | 78% | 10.4 | 2006.0           | 22189                 | 17263      | 78% | 10.7 | 2075.0           | 24960                 | 19569      | 78% | 11.4 | 2200.0           | 28330                 | 22239      | 79% | 12.2 | 2314.0           |
|                    | 104°F                            | 18713                  | 14502      | 78% | 9.5  | 1969.0           | 19971                 | 15537      | 78% | 9.8  | 2036.0           | 22464                 | 17612      | 78% | 10.4 | 2159.0           | 25497                 | 20015      | 79% | 11.2 | 2271.0           |
|                    | 113°F                            | 16633                  | 12891      | 78% | 8.6  | 1931.0           | 17752                 | 13811      | 78% | 8.9  | 1997.0           | 19968                 | 15655      | 78% | 9.4  | 2118.0           | 22664                 | 17791      | 79% | 10.2 | 2228.0           |
|                    | 118°F                            | 15386                  | 11924      | 78% | 7.1  | 2157.0           | 16420                 | 12775      | 78% | 7.4  | 2230.0           | 18470                 | 14481      | 78% | 7.8  | 2365.0           | 20964                 | 16456      | 79% | 8.4  | 2488.0           |



# EXTENDED RATINGS

MUL48HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 135%               | -22°F                       | -22.5°F | 28000                  | 1.6      | 5000.0           | 27636      | 1.6      | 5110             | 26936      | 1.5      | 5225.0           |
|                    | -5°F                        | -6°F    | 33880                  | 1.9      | 5165.0           | 33440      | 1.9      | 5279             | 32593      | 1.8      | 5397.0           |
|                    | 0°F                         | -1°F    | 35840                  | 2.0      | 5220.0           | 35374      | 1.9      | 5335             | 34478      | 1.9      | 5455.0           |
|                    | 5°F                         | 3°F     | 37800                  | 2.1      | 5275.0           | 37309      | 2.0      | 5391             | 36364      | 1.9      | 5512.0           |
|                    | 7°F                         | 5°F     | 38114                  | 2.1      | 5219.0           | 37619      | 2.1      | 5334             | 36666      | 2.0      | 5454.0           |
|                    | 17°F                        | 15°F    | 40000                  | 2.4      | 4884.0           | 39480      | 2.3      | 4991             | 38480      | 2.2      | 5104.0           |
|                    | 28°F                        | 26°F    | 43000                  | 2.9      | 4403.0           | 42441      | 2.8      | 4499             | 41366      | 2.6      | 4601.0           |
|                    | 38°F                        | 35°F    | 45500                  | 3.3      | 4001.0           | 44909      | 3.2      | 4089             | 43771      | 3.1      | 4181.0           |
|                    | 47°F                        | 43°F    | 48000                  | 3.9      | 3600.0           | 47376      | 3.8      | 3679             | 46176      | 3.6      | 3762.0           |
|                    | 57°F                        | 52°F    | 49440                  | 4.2      | 3440.0           | 48797      | 4.1      | 3516             | 47561      | 3.9      | 3595.0           |
|                    | 68°F                        | 63°F    | 51360                  | 4.5      | 3385.0           | 50692      | 4.3      | 3459             | 49408      | 4.1      | 3537.0           |
| 120%               | 77°F                        | 71°F    | 52800                  | 4.7      | 3309.0           | 52114      | 4.5      | 3382             | 50794      | 4.3      | 3458.0           |
|                    | -22°F                       | -22.5°F | 28000                  | 1.6      | 5000.0           | 27636      | 1.6      | 5110             | 26936      | 1.5      | 5225.0           |
|                    | -5°F                        | -6°F    | 33880                  | 1.9      | 5165.0           | 33440      | 1.9      | 5279             | 32593      | 1.8      | 5397.0           |
|                    | 0°F                         | -1°F    | 35840                  | 2.0      | 5220.0           | 35374      | 1.9      | 5335             | 34478      | 1.9      | 5455.0           |
|                    | 5°F                         | 3°F     | 37800                  | 2.1      | 5275.0           | 37309      | 2.0      | 5391             | 36364      | 1.9      | 5512.0           |
|                    | 7°F                         | 5°F     | 38114                  | 2.1      | 5219.0           | 37619      | 2.1      | 5334             | 36666      | 2.0      | 5454.0           |
|                    | 17°F                        | 15°F    | 40000                  | 2.4      | 4884.0           | 39480      | 2.3      | 4991             | 38480      | 2.2      | 5104.0           |
|                    | 28°F                        | 26°F    | 43000                  | 2.9      | 4403.0           | 42441      | 2.8      | 4499             | 41366      | 2.6      | 4601.0           |
|                    | 38°F                        | 35°F    | 45500                  | 3.3      | 4001.0           | 44909      | 3.2      | 4089             | 43771      | 3.1      | 4181.0           |
|                    | 47°F                        | 43°F    | 48000                  | 3.9      | 3600.0           | 47376      | 3.8      | 3679             | 46176      | 3.6      | 3762.0           |
|                    | 57°F                        | 52°F    | 49440                  | 4.2      | 3440.0           | 48797      | 4.1      | 3516             | 47561      | 3.9      | 3595.0           |
|                    | 68°F                        | 63°F    | 51360                  | 4.5      | 3385.0           | 50692      | 4.3      | 3459             | 49408      | 4.1      | 3537.0           |
|                    | 77°F                        | 71°F    | 52800                  | 4.7      | 3309.0           | 52114      | 4.5      | 3382             | 50794      | 4.3      | 3458.0           |



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# EXTENDED RATINGS

MUL48HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 110%               | -22°F                       | -22.5°F | 28000                  | 1.6      | 5000.0           | 27636      | 1.6      | 5110.0           | 26936      | 1.5      | 5225.0           |
|                    | -5°F                        | -6°F    | 33880                  | 1.9      | 5165.0           | 33440      | 1.9      | 5279.0           | 32593      | 1.8      | 5397.0           |
|                    | 0°F                         | -1°F    | 35840                  | 2.0      | 5220.0           | 35374      | 1.9      | 5335.0           | 34478      | 1.9      | 5455.0           |
|                    | 5°F                         | 3°F     | 37800                  | 2.1      | 5275.0           | 37309      | 2.0      | 5391.0           | 36364      | 1.9      | 5512.0           |
|                    | 7°F                         | 5°F     | 38114                  | 2.1      | 5219.0           | 37619      | 2.1      | 5334.0           | 36666      | 2.0      | 5454.0           |
|                    | 17°F                        | 15°F    | 40000                  | 2.4      | 4884.0           | 39480      | 2.3      | 4991.0           | 38480      | 2.2      | 5104.0           |
|                    | 28°F                        | 26°F    | 43000                  | 2.9      | 4403.0           | 42441      | 2.8      | 4499.0           | 41366      | 2.6      | 4601.0           |
|                    | 38°F                        | 35°F    | 45500                  | 3.3      | 4001.0           | 44909      | 3.2      | 4089.0           | 43771      | 3.1      | 4181.0           |
|                    | 47°F                        | 43°F    | 48000                  | 3.9      | 3600.0           | 47376      | 3.8      | 3679.0           | 46176      | 3.6      | 3762.0           |
|                    | 57°F                        | 52°F    | 49440                  | 4.2      | 3440.0           | 48797      | 4.1      | 3516.0           | 47561      | 3.9      | 3595.0           |
|                    | 68°F                        | 63°F    | 51360                  | 4.5      | 3385.0           | 50692      | 4.3      | 3459.0           | 49408      | 4.1      | 3537.0           |
| 100%               | 77°F                        | 71°F    | 52800                  | 4.7      | 3309.0           | 52114      | 4.5      | 3382.0           | 50794      | 4.3      | 3458.0           |
|                    | -22°F                       | -22.5°F | 28000                  | 1.6      | 5000.0           | 27636      | 1.6      | 5110.0           | 26936      | 1.5      | 5225.0           |
|                    | -5°F                        | -6°F    | 33880                  | 1.9      | 5165.0           | 33440      | 1.9      | 5279.0           | 32593      | 1.8      | 5397.0           |
|                    | 0°F                         | -1°F    | 35840                  | 2.0      | 5220.0           | 35374      | 1.9      | 5335.0           | 34478      | 1.9      | 5455.0           |
|                    | 5°F                         | 3°F     | 37800                  | 2.1      | 5275.0           | 37309      | 2.0      | 5391.0           | 36364      | 1.9      | 5512.0           |
|                    | 7°F                         | 5°F     | 38114                  | 2.1      | 5219.0           | 37619      | 2.1      | 5334.0           | 36666      | 2.0      | 5454.0           |
|                    | 17°F                        | 15°F    | 40000                  | 2.4      | 4884.0           | 39480      | 2.3      | 4991.0           | 38480      | 2.2      | 5104.0           |
|                    | 28°F                        | 26°F    | 43000                  | 2.9      | 4403.0           | 42441      | 2.8      | 4499.0           | 41366      | 2.6      | 4601.0           |
|                    | 38°F                        | 35°F    | 45500                  | 3.3      | 4001.0           | 44909      | 3.2      | 4089.0           | 43771      | 3.1      | 4181.0           |
|                    | 47°F                        | 43°F    | 48000                  | 3.9      | 3600.0           | 47376      | 3.8      | 3679.0           | 46176      | 3.6      | 3762.0           |
|                    | 57°F                        | 52°F    | 49440                  | 4.2      | 3440.0           | 48797      | 4.1      | 3516.0           | 47561      | 3.9      | 3595.0           |
|                    | 68°F                        | 63°F    | 51360                  | 4.5      | 3385.0           | 50692      | 4.3      | 3459.0           | 49408      | 4.1      | 3537.0           |
|                    | 77°F                        | 71°F    | 52800                  | 4.7      | 3309.0           | 52114      | 4.5      | 3382.0           | 50794      | 4.3      | 3458.0           |



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# EXTENDED RATINGS

MUL48HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 90%                | -22°F                       | -22.5°F | 26600                  | 1.6      | 4800             | 26254      | 1.6      | 4906             | 25589      | 1.5      | 5016             |
|                    | -5°F                        | -6°F    | 32186                  | 1.9      | 4958             | 31768      | 1.8      | 5068             | 30963      | 1.8      | 5181             |
|                    | 0°F                         | -1°F    | 34048                  | 2.0      | 5011             | 33605      | 1.9      | 5122             | 32754      | 1.8      | 5237             |
|                    | 5°F                         | 3°F     | 35910                  | 2.1      | 5064             | 35443      | 2.0      | 5175             | 34545      | 1.9      | 5292             |
|                    | 7°F                         | 5°F     | 36208                  | 2.1      | 5010             | 35738      | 2.1      | 5121             | 34833      | 2.0      | 5236             |
|                    | 17°F                        | 15°F    | 38000                  | 2.4      | 4689             | 37506      | 2.3      | 4791             | 36556      | 2.2      | 4900             |
|                    | 28°F                        | 26°F    | 40850                  | 2.8      | 4227             | 40319      | 2.7      | 4319             | 39298      | 2.6      | 4417             |
|                    | 38°F                        | 35°F    | 43225                  | 3.3      | 3841             | 42663      | 3.2      | 3925             | 41582      | 3.0      | 4014             |
|                    | 47°F                        | 43°F    | 45600                  | 3.9      | 3456             | 45007      | 3.7      | 3532             | 43867      | 3.6      | 3612             |
|                    | 57°F                        | 52°F    | 46968                  | 4.2      | 3302             | 46357      | 4.0      | 3375             | 45183      | 3.8      | 3451             |
|                    | 68°F                        | 63°F    | 48792                  | 4.4      | 3250             | 48158      | 4.3      | 3321             | 46938      | 4.1      | 3396             |
| 80%                | 77°F                        | 71°F    | 50160                  | 4.6      | 3177             | 49508      | 4.5      | 3247             | 48254      | 4.3      | 3320             |
|                    | -22°F                       | -22.5°F | 23240                  | 1.6      | 4250             | 22938      | 1.6      | 4344             | 22357      | 1.5      | 4441             |
|                    | -5°F                        | -6°F    | 28120                  | 1.9      | 4390             | 27755      | 1.8      | 4487             | 27052      | 1.7      | 4587             |
|                    | 0°F                         | -1°F    | 29747                  | 2.0      | 4437             | 29360      | 1.9      | 4535             | 28617      | 1.8      | 4637             |
|                    | 5°F                         | 3°F     | 31374                  | 2.1      | 4484             | 30966      | 2.0      | 4582             | 30182      | 1.9      | 4685             |
|                    | 7°F                         | 5°F     | 31635                  | 2.1      | 4436             | 31224      | 2.0      | 4534             | 30433      | 1.9      | 4636             |
|                    | 17°F                        | 15°F    | 33200                  | 2.3      | 4151             | 32768      | 2.3      | 4242             | 31938      | 2.2      | 4338             |
|                    | 28°F                        | 26°F    | 35690                  | 2.8      | 3743             | 35226      | 2.7      | 3824             | 34334      | 2.6      | 3911             |
|                    | 38°F                        | 35°F    | 37765                  | 3.3      | 3401             | 37274      | 3.1      | 3476             | 36330      | 3.0      | 3554             |
|                    | 47°F                        | 43°F    | 39840                  | 3.8      | 3060             | 39322      | 3.7      | 3127             | 38326      | 3.5      | 3198             |
|                    | 57°F                        | 52°F    | 41035                  | 4.1      | 2924             | 40502      | 4.0      | 2989             | 39476      | 3.8      | 3056             |
|                    | 68°F                        | 63°F    | 42629                  | 4.3      | 2877             | 42075      | 4.2      | 2940             | 41009      | 4.0      | 3006             |
|                    | 77°F                        | 71°F    | 43824                  | 4.6      | 2813             | 43254      | 4.4      | 2875             | 42159      | 4.2      | 2939             |



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## EXTENDED RATINGS

MUL48HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 70%                | -22°F                       | -22.5°F | 20160                  | 1.6      | 3750.0           | 19898      | 1.5      | 3833             | 19394      | 1.5      | 3919.0           |
|                    | -5°F                        | -6°F    | 24394                  | 1.9      | 3874.0           | 24076      | 1.8      | 3959             | 23467      | 1.7      | 4048.0           |
|                    | 0°F                         | -1°F    | 25805                  | 1.9      | 3915.0           | 25469      | 1.9      | 4001             | 24824      | 1.8      | 4091.0           |
|                    | 5°F                         | 3°F     | 27216                  | 2.0      | 3956.0           | 26862      | 2.0      | 4043             | 26182      | 1.9      | 4134.0           |
|                    | 7°F                         | 5°F     | 27442                  | 2.1      | 3914.0           | 27086      | 2.0      | 4001             | 26399      | 1.9      | 4091.0           |
|                    | 17°F                        | 15°F    | 28800                  | 2.3      | 3663.0           | 28426      | 2.2      | 3743             | 27706      | 2.1      | 3828.0           |
|                    | 28°F                        | 26°F    | 30960                  | 2.8      | 3302.0           | 30558      | 2.7      | 3374             | 29784      | 2.5      | 3451.0           |
|                    | 38°F                        | 35°F    | 32760                  | 3.2      | 3001.0           | 32334      | 3.1      | 3067             | 31515      | 3.0      | 3136.0           |
|                    | 47°F                        | 43°F    | 34560                  | 3.8      | 2700.0           | 34111      | 3.6      | 2759             | 33247      | 3.5      | 2822.0           |
|                    | 57°F                        | 52°F    | 35597                  | 4.0      | 2580.0           | 35134      | 3.9      | 2637             | 34244      | 3.7      | 2696.0           |
|                    | 68°F                        | 63°F    | 36979                  | 4.3      | 2539.0           | 36498      | 4.1      | 2594             | 35574      | 3.9      | 2653.0           |
|                    | 77°F                        | 71°F    | 38016                  | 4.5      | 2482.0           | 37522      | 4.3      | 2537             | 36571      | 4.1      | 2594.0           |
| 60%                | -22°F                       | -22.5°F | 17360                  | 1.6      | 3250.0           | 17134      | 1.5      | 3322             | 16700      | 1.4      | 3396.0           |
|                    | -5°F                        | -6°F    | 21006                  | 1.8      | 3357.0           | 20733      | 1.8      | 3431             | 20207      | 1.7      | 3508.0           |
|                    | 0°F                         | -1°F    | 22221                  | 1.9      | 3393.0           | 21932      | 1.9      | 3468             | 21376      | 1.8      | 3546.0           |
|                    | 5°F                         | 3°F     | 23436                  | 2.0      | 3429.0           | 23131      | 1.9      | 3504             | 22545      | 1.8      | 3583.0           |
|                    | 7°F                         | 5°F     | 23631                  | 2.0      | 3392.0           | 23324      | 2.0      | 3467             | 22733      | 1.9      | 3545.0           |
|                    | 17°F                        | 15°F    | 24800                  | 2.3      | 3175.0           | 24478      | 2.2      | 3244             | 23858      | 2.1      | 3318.0           |
|                    | 28°F                        | 26°F    | 26660                  | 2.7      | 2862.0           | 26313      | 2.6      | 2924             | 25647      | 2.5      | 2991.0           |
|                    | 38°F                        | 35°F    | 28210                  | 3.2      | 2601.0           | 27843      | 3.1      | 2658             | 27138      | 2.9      | 2718.0           |
|                    | 47°F                        | 43°F    | 29760                  | 3.7      | 2340.0           | 29373      | 3.6      | 2391             | 28629      | 3.4      | 2445.0           |
|                    | 57°F                        | 52°F    | 30653                  | 4.0      | 2236.0           | 30254      | 3.9      | 2285             | 29488      | 3.7      | 2337.0           |
|                    | 68°F                        | 63°F    | 31843                  | 4.2      | 2200.0           | 31429      | 4.1      | 2248             | 30633      | 3.9      | 2299.0           |
|                    | 77°F                        | 71°F    | 32736                  | 4.5      | 2151.0           | 32310      | 4.3      | 2198             | 31492      | 4.1      | 2248.0           |


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# EXTENDED RATINGS

MUL48HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 50%                | -22°F                       | -22.5°F | 14560                  | 1.6      | 2750.0           | 14371      | 1.5      | 2811.0           | 14007      | 1.4      | 2874.0           |
|                    | -5°F                        | -6°F    | 17618                  | 1.8      | 2841.0           | 17389      | 1.8      | 2903.0           | 16948      | 1.7      | 2968.0           |
|                    | 0°F                         | -1°F    | 18637                  | 1.9      | 2871.0           | 18395      | 1.8      | 2934.0           | 17929      | 1.8      | 3000.0           |
|                    | 5°F                         | 3°F     | 19656                  | 2.0      | 2901.0           | 19400      | 1.9      | 2965.0           | 18909      | 1.8      | 3032.0           |
|                    | 7°F                         | 5°F     | 19819                  | 2.0      | 2870.0           | 19562      | 2.0      | 2934.0           | 19066      | 1.9      | 3000.0           |
|                    | 17°F                        | 15°F    | 20800                  | 2.3      | 2686.0           | 20530      | 2.2      | 2745.0           | 20010      | 2.1      | 2807.0           |
|                    | 28°F                        | 26°F    | 22360                  | 2.7      | 2422.0           | 22069      | 2.6      | 2474.0           | 21510      | 2.5      | 2531.0           |
|                    | 38°F                        | 35°F    | 23660                  | 3.2      | 2201.0           | 23352      | 3.0      | 2249.0           | 22761      | 2.9      | 2300.0           |
|                    | 47°F                        | 43°F    | 24960                  | 3.7      | 1980.0           | 24636      | 3.6      | 2023.0           | 24012      | 3.4      | 2069.0           |
|                    | 57°F                        | 52°F    | 25709                  | 4.0      | 1892.0           | 25375      | 3.9      | 1934.0           | 24732      | 3.7      | 1977.0           |
|                    | 68°F                        | 63°F    | 26707                  | 4.2      | 1862.0           | 26360      | 4.1      | 1902.0           | 25692      | 3.9      | 1945.0           |
|                    | 77°F                        | 71°F    | 27456                  | 4.4      | 1820.0           | 27099      | 4.3      | 1860.0           | 26413      | 4.1      | 1902.0           |



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## EXTENDED RATINGS

## MUL60HPJ132OA

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 135%               | -22°F                            | 30261                  | 23452      | 78% | 14.8 | 2.0              | 32295                 | 25126      | 78% | 15.3 | 2.1              | 36328                 | 28481      | 78% | 16.2 | 2.2              | 41232                 | 32367      | 79% | 17.5 | 2.4              |
|                    | -4°F                             | 32193                  | 24949      | 78% | 14.8 | 2.2              | 34357                 | 26730      | 78% | 15.3 | 2.2              | 38647                 | 30299      | 78% | 16.2 | 2.4              | 43864                 | 34433      | 79% | 17.5 | 2.5              |
|                    | 5°F                              | 34248                  | 26542      | 78% | 14.8 | 2.3              | 36550                 | 28436      | 78% | 15.3 | 2.4              | 41113                 | 32233      | 78% | 16.2 | 2.5              | 46664                 | 36631      | 79% | 17.5 | 2.7              |
|                    | 14°F                             | 36434                  | 28236      | 78% | 14.8 | 2.5              | 38883                 | 30251      | 78% | 15.3 | 2.5              | 43738                 | 34290      | 78% | 16.2 | 2.7              | 49642                 | 38969      | 79% | 17.5 | 2.8              |
|                    | 23°F                             | 38759                  | 30038      | 78% | 14.8 | 2.6              | 41365                 | 32182      | 78% | 15.3 | 2.7              | 46530                 | 36479      | 78% | 16.2 | 2.9              | 52811                 | 41457      | 79% | 17.5 | 3.0              |
|                    | 32°F                             | 41233                  | 31956      | 78% | 14.8 | 2.8              | 44005                 | 34236      | 78% | 15.3 | 2.9              | 49499                 | 38808      | 78% | 16.2 | 3.1              | 56182                 | 44103      | 79% | 17.5 | 3.2              |
|                    | 41°F                             | 43865                  | 33995      | 78% | 14.8 | 3.0              | 46814                 | 36421      | 78% | 15.3 | 3.1              | 52659                 | 41285      | 78% | 16.2 | 3.2              | 59768                 | 46918      | 79% | 17.5 | 3.4              |
|                    | 50°F                             | 46665                  | 36165      | 78% | 14.8 | 3.2              | 49802                 | 38746      | 78% | 15.3 | 3.3              | 56020                 | 43920      | 78% | 16.2 | 3.5              | 63583                 | 49913      | 79% | 17.5 | 3.6              |
|                    | 59°F                             | 49643                  | 38474      | 78% | 14.8 | 3.4              | 52981                 | 41219      | 78% | 15.3 | 3.5              | 59596                 | 46723      | 78% | 16.2 | 3.7              | 67641                 | 53099      | 79% | 17.5 | 3.9              |
|                    | 68°F                             | 52812                  | 40929      | 78% | 14.8 | 3.6              | 56363                 | 43850      | 78% | 15.3 | 3.7              | 63400                 | 49706      | 78% | 16.2 | 3.9              | 71959                 | 56488      | 79% | 17.5 | 4.1              |
|                    | 77°F                             | 50480                  | 39122      | 78% | 13.3 | 3.8              | 53873                 | 41914      | 78% | 13.8 | 3.9              | 60600                 | 47510      | 78% | 14.6 | 4.2              | 68781                 | 53993      | 79% | 15.7 | 4.4              |
|                    | 86°F                             | 48147                  | 37314      | 78% | 12.0 | 4.0              | 51384                 | 39977      | 78% | 12.3 | 4.2              | 57800                 | 45315      | 78% | 13.1 | 4.4              | 65603                 | 51498      | 79% | 14.1 | 4.7              |
|                    | 95°F                             | 45815                  | 35507      | 78% | 10.7 | 4.3              | 48895                 | 38040      | 78% | 11.0 | 4.4              | 55000                 | 43120      | 78% | 11.7 | 4.7              | 62425                 | 49004      | 79% | 12.6 | 4.9              |
|                    | 104°F                            | 43483                  | 33699      | 78% | 9.2  | 4.7              | 46406                 | 36104      | 78% | 9.5  | 4.9              | 52200                 | 40925      | 78% | 10.0 | 5.2              | 59247                 | 46509      | 79% | 10.8 | 5.5              |
|                    | 113°F                            | 41150                  | 31891      | 78% | 7.9  | 5.2              | 43917                 | 34167      | 78% | 8.2  | 5.4              | 49400                 | 38730      | 78% | 8.7  | 5.7              | 56069                 | 44014      | 79% | 9.4  | 6.0              |
|                    | 118°F                            | 39751                  | 30807      | 78% | 7.5  | 5.3              | 42423                 | 33005      | 78% | 7.8  | 5.5              | 47720                 | 37412      | 78% | 8.2  | 5.8              | 54162                 | 42517      | 79% | 8.9  | 6.1              |
| 120%               | -22°F                            | 30261                  | 23452      | 78% | 14.8 | 2.0              | 32295                 | 25126      | 78% | 15.3 | 2.1              | 36328                 | 28481      | 78% | 16.2 | 2.2              | 41232                 | 32367      | 79% | 17.5 | 2.4              |
|                    | -4°F                             | 32193                  | 24949      | 78% | 14.8 | 2.2              | 34357                 | 26730      | 78% | 15.3 | 2.2              | 38647                 | 30299      | 78% | 16.2 | 2.4              | 43864                 | 34433      | 79% | 17.5 | 2.5              |
|                    | 5°F                              | 34248                  | 26542      | 78% | 14.8 | 2.3              | 36550                 | 28436      | 78% | 15.3 | 2.4              | 41113                 | 32233      | 78% | 16.2 | 2.5              | 46664                 | 36631      | 79% | 17.5 | 2.7              |
|                    | 14°F                             | 36434                  | 28236      | 78% | 14.8 | 2.5              | 38883                 | 30251      | 78% | 15.3 | 2.5              | 43738                 | 34290      | 78% | 16.2 | 2.7              | 49642                 | 38969      | 79% | 17.5 | 2.8              |
|                    | 23°F                             | 38759                  | 30038      | 78% | 14.8 | 2.6              | 41365                 | 32182      | 78% | 15.3 | 2.7              | 46530                 | 36479      | 78% | 16.2 | 2.9              | 52811                 | 41457      | 79% | 17.5 | 3.0              |
|                    | 32°F                             | 41233                  | 31956      | 78% | 14.8 | 2.8              | 44005                 | 34236      | 78% | 15.3 | 2.9              | 49499                 | 38808      | 78% | 16.2 | 3.1              | 56182                 | 44103      | 79% | 17.5 | 3.2              |
|                    | 41°F                             | 43865                  | 33995      | 78% | 14.8 | 3.0              | 46814                 | 36421      | 78% | 15.3 | 3.1              | 52659                 | 41285      | 78% | 16.2 | 3.2              | 59768                 | 46918      | 79% | 17.5 | 3.4              |
|                    | 50°F                             | 46665                  | 36165      | 78% | 14.8 | 3.2              | 49802                 | 38746      | 78% | 15.3 | 3.3              | 56020                 | 43920      | 78% | 16.2 | 3.5              | 63583                 | 49913      | 79% | 17.5 | 3.6              |
|                    | 59°F                             | 49643                  | 38474      | 78% | 14.8 | 3.4              | 52981                 | 41219      | 78% | 15.3 | 3.5              | 59596                 | 46723      | 78% | 16.2 | 3.7              | 67641                 | 53099      | 79% | 17.5 | 3.9              |
|                    | 68°F                             | 52812                  | 40929      | 78% | 14.8 | 3.6              | 56363                 | 43850      | 78% | 15.3 | 3.7              | 63400                 | 49706      | 78% | 16.2 | 3.9              | 71959                 | 56488      | 79% | 17.5 | 4.1              |
|                    | 77°F                             | 50480                  | 39122      | 78% | 13.3 | 3.8              | 53873                 | 41914      | 78% | 13.8 | 3.9              | 60600                 | 47510      | 78% | 14.6 | 4.2              | 68781                 | 53993      | 79% | 15.7 | 4.4              |
|                    | 86°F                             | 48147                  | 37314      | 78% | 12.0 | 4.0              | 51384                 | 39977      | 78% | 12.3 | 4.2              | 57800                 | 45315      | 78% | 13.1 | 4.4              | 65603                 | 51498      | 79% | 14.1 | 4.7              |
|                    | 95°F                             | 45815                  | 35507      | 78% | 10.7 | 4.3              | 48895                 | 38040      | 78% | 11.0 | 4.4              | 55000                 | 43120      | 78% | 11.7 | 4.7              | 62425                 | 49004      | 79% | 12.6 | 4.9              |
|                    | 104°F                            | 43483                  | 33699      | 78% | 9.2  | 4.7              | 46406                 | 36104      | 78% | 9.5  | 4.9              | 52200                 | 40925      | 78% | 10.0 | 5.2              | 59247                 | 46509      | 79% | 10.8 | 5.5              |
|                    | 113°F                            | 41150                  | 31891      | 78% | 7.9  | 5.2              | 43917                 | 34167      | 78% | 8.2  | 5.4              | 49400                 | 38730      | 78% | 8.7  | 5.7              | 56069                 | 44014      | 79% | 9.4  | 6.0              |
|                    | 118°F                            | 39751                  | 30807      | 78% | 7.5  | 5.3              | 42423                 | 33005      | 78% | 7.8  | 5.5              | 47720                 | 37412      | 78% | 8.2  | 5.8              | 54162                 | 42517      | 79% | 8.9  | 6.1              |


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## EXTENDED RATINGS

## MUL60HPJ132OA

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |                       |            |     |      |                  |
|--------------------|----------------------------------|------------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|-----------------------|------------|-----|------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |      |                  | 75°F (DB) / 63°F (WB) |            |     |      |                  | 80°F (DB) / 67°F (WB) |            |     |      |                  | 90°F (DB) / 73°F (WB) |            |     |      |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER  | Power Input (KW) |
| 110%               | -22°F                            | 30261                  | 23452      | 78% | 14.8 | 2.0              | 32295                 | 25126      | 78% | 15.3 | 2.1              | 36328                 | 28481      | 78% | 16.2 | 2.2              | 41232                 | 32367      | 79% | 17.5 | 2.4              |
|                    | -4°F                             | 32193                  | 24949      | 78% | 14.8 | 2.2              | 34357                 | 26730      | 78% | 15.3 | 2.2              | 38647                 | 30299      | 78% | 16.2 | 2.4              | 43864                 | 34433      | 79% | 17.5 | 2.5              |
|                    | 5°F                              | 34248                  | 26542      | 78% | 14.8 | 2.3              | 36550                 | 28436      | 78% | 15.3 | 2.4              | 41113                 | 32233      | 78% | 16.2 | 2.5              | 46664                 | 36631      | 79% | 17.5 | 2.7              |
|                    | 14°F                             | 36434                  | 28236      | 78% | 14.8 | 2.5              | 38883                 | 30251      | 78% | 15.3 | 2.5              | 43738                 | 34290      | 78% | 16.2 | 2.7              | 49642                 | 38969      | 79% | 17.5 | 2.8              |
|                    | 23°F                             | 38759                  | 30038      | 78% | 14.8 | 2.6              | 41365                 | 32182      | 78% | 15.3 | 2.7              | 46530                 | 36479      | 78% | 16.2 | 2.9              | 52811                 | 41457      | 79% | 17.5 | 3.0              |
|                    | 32°F                             | 41233                  | 31956      | 78% | 14.8 | 2.8              | 44005                 | 34236      | 78% | 15.3 | 2.9              | 49499                 | 38808      | 78% | 16.2 | 3.1              | 56182                 | 44103      | 79% | 17.5 | 3.2              |
|                    | 41°F                             | 43865                  | 33995      | 78% | 14.8 | 3.0              | 46814                 | 36421      | 78% | 15.3 | 3.1              | 52659                 | 41285      | 78% | 16.2 | 3.2              | 59768                 | 46918      | 79% | 17.5 | 3.4              |
|                    | 50°F                             | 46665                  | 36165      | 78% | 14.8 | 3.2              | 49802                 | 38746      | 78% | 15.3 | 3.3              | 56020                 | 43920      | 78% | 16.2 | 3.5              | 63583                 | 49913      | 79% | 17.5 | 3.6              |
|                    | 59°F                             | 49643                  | 38474      | 78% | 14.8 | 3.4              | 52981                 | 41219      | 78% | 15.3 | 3.5              | 59596                 | 46723      | 78% | 16.2 | 3.7              | 67641                 | 53099      | 79% | 17.5 | 3.9              |
|                    | 68°F                             | 52812                  | 40929      | 78% | 14.8 | 3.6              | 56363                 | 43850      | 78% | 15.3 | 3.7              | 63400                 | 49706      | 78% | 16.2 | 3.9              | 71959                 | 56488      | 79% | 17.5 | 4.1              |
|                    | 77°F                             | 50480                  | 39122      | 78% | 13.3 | 3.8              | 53873                 | 41914      | 78% | 13.8 | 3.9              | 60600                 | 47510      | 78% | 14.6 | 4.2              | 68781                 | 53993      | 79% | 15.7 | 4.4              |
|                    | 86°F                             | 48147                  | 37314      | 78% | 12.0 | 4.0              | 51384                 | 39977      | 78% | 12.3 | 4.2              | 57800                 | 45315      | 78% | 13.1 | 4.4              | 65603                 | 51498      | 79% | 14.1 | 4.7              |
|                    | 95°F                             | 45815                  | 35507      | 78% | 10.7 | 4.3              | 48895                 | 38040      | 78% | 11.0 | 4.4              | 55000                 | 43120      | 78% | 11.7 | 4.7              | 62425                 | 49004      | 79% | 12.6 | 4.9              |
|                    | 104°F                            | 43483                  | 33699      | 78% | 9.2  | 4.7              | 46406                 | 36104      | 78% | 9.5  | 4.9              | 52200                 | 40925      | 78% | 10.0 | 5.2              | 59247                 | 46509      | 79% | 10.8 | 5.5              |
|                    | 113°F                            | 41150                  | 31891      | 78% | 7.9  | 5.2              | 43917                 | 34167      | 78% | 8.2  | 5.4              | 49400                 | 38730      | 78% | 8.7  | 5.7              | 56069                 | 44014      | 79% | 9.4  | 6.0              |
|                    | 118°F                            | 39751                  | 30807      | 78% | 7.5  | 5.3              | 42423                 | 33005      | 78% | 7.8  | 5.5              | 47720                 | 37412      | 78% | 8.2  | 5.8              | 54162                 | 42517      | 79% | 8.9  | 6.1              |
| 100%               | -22°F                            | 30261                  | 23452      | 78% | 14.8 | 2                | 32295                 | 25126      | 78% | 15.3 | 2                | 36328                 | 28481      | 78% | 16.2 | 2                | 41232                 | 32367      | 79% | 17.5 | 2                |
|                    | -4°F                             | 32193                  | 24949      | 78% | 14.8 | 2                | 34357                 | 26730      | 78% | 15.3 | 2                | 38647                 | 30299      | 78% | 16.2 | 2                | 43864                 | 34433      | 79% | 17.5 | 3                |
|                    | 5°F                              | 34248                  | 26542      | 78% | 14.8 | 2                | 36550                 | 28436      | 78% | 15.3 | 2                | 41113                 | 32233      | 78% | 16.2 | 3                | 46664                 | 36631      | 79% | 17.5 | 3                |
|                    | 14°F                             | 36434                  | 28236      | 78% | 14.8 | 2                | 38883                 | 30251      | 78% | 15.3 | 3                | 43738                 | 34290      | 78% | 16.2 | 3                | 49642                 | 38969      | 79% | 17.5 | 3                |
|                    | 23°F                             | 38759                  | 30038      | 78% | 14.8 | 3                | 41365                 | 32182      | 78% | 15.3 | 3                | 46530                 | 36479      | 78% | 16.2 | 3                | 52811                 | 41457      | 79% | 17.5 | 3                |
|                    | 32°F                             | 41233                  | 31956      | 78% | 14.8 | 3                | 44005                 | 34236      | 78% | 15.3 | 3                | 49499                 | 38808      | 78% | 16.2 | 3                | 56182                 | 44103      | 79% | 17.5 | 3                |
|                    | 41°F                             | 43865                  | 33995      | 78% | 14.8 | 3                | 46814                 | 36421      | 78% | 15.3 | 3                | 52659                 | 41285      | 78% | 16.2 | 3                | 59768                 | 46918      | 79% | 17.5 | 3                |
|                    | 50°F                             | 46665                  | 36165      | 78% | 14.8 | 3                | 49802                 | 38746      | 78% | 15.3 | 3                | 56020                 | 43920      | 78% | 16.2 | 3                | 63583                 | 49913      | 79% | 17.5 | 4                |
|                    | 59°F                             | 49643                  | 38474      | 78% | 14.8 | 3                | 52981                 | 41219      | 78% | 15.3 | 3                | 59596                 | 46723      | 78% | 16.2 | 4                | 67641                 | 53099      | 79% | 17.5 | 4                |
|                    | 68°F                             | 52812                  | 40929      | 78% | 14.8 | 4                | 56363                 | 43850      | 78% | 15.3 | 4                | 63400                 | 49706      | 78% | 16.2 | 4                | 71959                 | 56488      | 79% | 17.5 | 4                |
|                    | 77°F                             | 50480                  | 39122      | 78% | 13.3 | 4                | 53873                 | 41914      | 78% | 13.8 | 4                | 60600                 | 47510      | 78% | 14.6 | 4                | 68781                 | 53993      | 79% | 15.7 | 4                |
|                    | 86°F                             | 48147                  | 37314      | 78% | 12.0 | 4                | 51384                 | 39977      | 78% | 12.3 | 4                | 57800                 | 45315      | 78% | 13.1 | 4                | 65603                 | 51498      | 79% | 14.1 | 5                |
|                    | 95°F                             | 45815                  | 35507      | 78% | 10.7 | 4                | 48895                 | 38040      | 78% | 11.0 | 4                | 55000                 | 43120      | 78% | 11.7 | 5                | 62425                 | 49004      | 79% | 12.6 | 5                |
|                    | 104°F                            | 43483                  | 33699      | 78% | 9.2  | 5                | 46406                 | 36104      | 78% | 9.5  | 5                | 52200                 | 40925      | 78% | 10.0 | 5                | 59247                 | 46509      | 79% | 10.8 | 5                |
|                    | 113°F                            | 41150                  | 31891      | 78% | 7.9  | 5                | 43917                 | 34167      | 78% | 8.2  | 5                | 49400                 | 38730      | 78% | 8.7  | 6                | 56069                 | 44014      | 79% | 9.4  | 6                |
|                    | 118°F                            | 39751                  | 30807      | 78% | 7.5  | 5                | 42423                 | 33005      | 78% | 7.8  | 5                | 47720                 | 37412      | 78% | 8.2  | 6                | 54162                 | 42517      | 79% | 8.9  | 6                |


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## EXTENDED RATINGS

## MUL60HPJ1320A

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |         |                  |                       |            |     |         |                  |                       |            |     |         |                  |                       |            |     |         |                  |
|--------------------|----------------------------------|------------------------|------------|-----|---------|------------------|-----------------------|------------|-----|---------|------------------|-----------------------|------------|-----|---------|------------------|-----------------------|------------|-----|---------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |         |                  | 75°F (DB) / 63°F (WB) |            |     |         |                  | 80°F (DB) / 67°F (WB) |            |     |         |                  | 90°F (DB) / 73°F (WB) |            |     |         |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER     | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER     | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER     | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER     | Power Input (KW) |
| 90%                | -22°F                            | 28445                  | 22045      | 78% | 14677.8 | 2.0              | 30358                 | 23618      | 78% | 15149.6 | 2.0              | 34148                 | 26772      | 78% | 16069.9 | 2.0              | 38758                 | 30425      | 79% | 17337.7 | 2.0              |
|                    | -4°F                             | 30261                  | 23452      | 78% | 14677.8 | 2.0              | 32295                 | 25126      | 78% | 15149.6 | 2.0              | 36328                 | 28481      | 78% | 16069.9 | 2.0              | 41232                 | 32367      | 79% | 17337.7 | 2.0              |
|                    | 5°F                              | 32193                  | 24949      | 78% | 14677.8 | 2.0              | 34357                 | 26730      | 78% | 15149.6 | 2.0              | 38647                 | 30299      | 78% | 16069.9 | 2.0              | 43864                 | 34433      | 79% | 17337.7 | 3.0              |
|                    | 14°F                             | 34248                  | 26542      | 78% | 14677.8 | 2.0              | 36550                 | 28436      | 78% | 15149.6 | 2.0              | 41113                 | 32233      | 78% | 16069.9 | 3.0              | 46664                 | 36631      | 79% | 17337.7 | 3.0              |
|                    | 23°F                             | 36434                  | 28236      | 78% | 14677.8 | 2.0              | 38883                 | 30251      | 78% | 15149.6 | 3.0              | 43738                 | 34290      | 78% | 16069.9 | 3.0              | 49642                 | 38969      | 79% | 17337.7 | 3.0              |
|                    | 32°F                             | 38759                  | 30038      | 78% | 14677.8 | 3.0              | 41365                 | 32182      | 78% | 15149.6 | 3.0              | 46530                 | 36479      | 78% | 16069.9 | 3.0              | 52811                 | 41457      | 79% | 17337.7 | 3.0              |
|                    | 41°F                             | 41233                  | 31956      | 78% | 14677.8 | 3.0              | 44005                 | 34236      | 78% | 15149.6 | 3.0              | 49499                 | 38808      | 78% | 16069.9 | 3.0              | 56182                 | 44103      | 79% | 17337.7 | 3.0              |
|                    | 50°F                             | 43865                  | 33995      | 78% | 14677.8 | 3.0              | 46814                 | 36421      | 78% | 15149.6 | 3.0              | 52659                 | 41285      | 78% | 16069.9 | 3.0              | 59768                 | 46918      | 79% | 17337.7 | 3.0              |
|                    | 59°F                             | 46665                  | 36165      | 78% | 14677.8 | 3.0              | 49802                 | 38746      | 78% | 15149.6 | 3.0              | 56020                 | 43920      | 78% | 16069.9 | 3.0              | 63583                 | 49913      | 79% | 17337.7 | 4.0              |
|                    | 68°F                             | 49643                  | 38474      | 78% | 14677.8 | 3.0              | 52981                 | 41219      | 78% | 15149.6 | 3.0              | 59596                 | 46723      | 78% | 16069.9 | 4.0              | 67641                 | 53099      | 79% | 17337.7 | 4.0              |
|                    | 77°F                             | 47451                  | 36775      | 78% | 13187.8 | 4.0              | 50641                 | 39399      | 78% | 13611.7 | 4.0              | 56964                 | 44660      | 78% | 14438.5 | 4.0              | 64654                 | 50753      | 79% | 15577.7 | 4.0              |
|                    | 86°F                             | 45259                  | 35075      | 78% | 11823.8 | 4.0              | 48301                 | 37578      | 78% | 12203.8 | 4.0              | 54332                 | 42596      | 78% | 12945.1 | 4.0              | 61667                 | 48408      | 79% | 13966.5 | 4.0              |
|                    | 95°F                             | 43066                  | 33376      | 78% | 10576.0 | 4.0              | 45961                 | 35758      | 78% | 10915.9 | 4.0              | 51700                 | 40533      | 78% | 11579.0 | 4.0              | 58680                 | 46063      | 79% | 12492.5 | 5.0              |
|                    | 104°F                            | 40874                  | 31677      | 78% | 9072.4  | 5.0              | 43621                 | 33937      | 78% | 9364.0  | 5.0              | 49068                 | 38469      | 78% | 9932.8  | 5.0              | 55692                 | 43718      | 79% | 10716.5 | 5.0              |
|                    | 113°F                            | 38681                  | 29978      | 78% | 7832.6  | 5.0              | 41282                 | 32117      | 78% | 8084.4  | 5.0              | 46436                 | 36406      | 78% | 8575.4  | 5.0              | 52705                 | 41373      | 79% | 9252.0  | 6.0              |
|                    | 118°F                            | 37366                  | 28958      | 78% | 7435.8  | 5.0              | 39878                 | 31025      | 78% | 7674.8  | 5.0              | 44857                 | 35168      | 78% | 8141.0  | 6.0              | 50912                 | 39966      | 79% | 8783.3  | 6.0              |
| 80%                | -22°F                            | 24814                  | 19231      | 78% | 14310.4 | 2.0              | 26482                 | 20603      | 78% | 14770.4 | 2.0              | 29789                 | 23354      | 78% | 15667.6 | 2.0              | 33810                 | 26541      | 79% | 16903.7 | 2.0              |
|                    | -4°F                             | 26398                  | 20458      | 78% | 14310.4 | 2.0              | 28173                 | 21918      | 78% | 14770.4 | 2.0              | 31690                 | 24845      | 78% | 15667.6 | 2.0              | 35968                 | 28235      | 79% | 16903.7 | 2.0              |
|                    | 5°F                              | 28083                  | 21764      | 78% | 14310.4 | 2.0              | 29971                 | 23317      | 78% | 14770.4 | 2.0              | 33713                 | 26431      | 78% | 15667.6 | 2.0              | 38264                 | 30037      | 79% | 16903.7 | 2.0              |
|                    | 14°F                             | 29876                  | 23154      | 78% | 14310.4 | 2.0              | 31884                 | 24806      | 78% | 14770.4 | 2.0              | 35865                 | 28118      | 78% | 15667.6 | 2.0              | 40707                 | 31955      | 79% | 16903.7 | 2.0              |
|                    | 23°F                             | 31782                  | 24631      | 78% | 14310.4 | 2.0              | 33919                 | 26389      | 78% | 14770.4 | 2.0              | 38154                 | 29913      | 78% | 15667.6 | 2.0              | 43305                 | 33994      | 79% | 16903.7 | 3.0              |
|                    | 32°F                             | 33811                  | 26204      | 78% | 14310.4 | 2.0              | 36084                 | 28073      | 78% | 14770.4 | 2.0              | 40590                 | 31822      | 78% | 15667.6 | 3.0              | 46069                 | 36164      | 79% | 16903.7 | 3.0              |
|                    | 41°F                             | 35969                  | 27876      | 78% | 14310.4 | 3.0              | 38387                 | 29865      | 78% | 14770.4 | 3.0              | 43180                 | 33853      | 78% | 15667.6 | 3.0              | 49010                 | 38473      | 79% | 16903.7 | 3.0              |
|                    | 50°F                             | 38265                  | 29656      | 78% | 14310.4 | 3.0              | 40838                 | 31772      | 78% | 14770.4 | 3.0              | 45937                 | 36014      | 78% | 15667.6 | 3.0              | 52138                 | 40928      | 79% | 16903.7 | 3.0              |
|                    | 59°F                             | 40708                  | 31548      | 78% | 14310.4 | 3.0              | 43444                 | 33800      | 78% | 14770.4 | 3.0              | 48869                 | 38313      | 78% | 15667.6 | 3.0              | 55466                 | 43541      | 79% | 16903.7 | 3.0              |
|                    | 68°F                             | 43306                  | 33562      | 78% | 14310.4 | 3.0              | 46217                 | 35957      | 78% | 14770.4 | 3.0              | 51988                 | 40759      | 78% | 15667.6 | 3.0              | 59006                 | 46320      | 79% | 16903.7 | 3.0              |
|                    | 77°F                             | 41393                  | 32080      | 78% | 12857.7 | 3.0              | 44176                 | 34369      | 78% | 13271.0 | 3.0              | 49692                 | 38959      | 78% | 14077.1 | 4.0              | 56400                 | 44274      | 79% | 15187.8 | 4.0              |
|                    | 86°F                             | 39481                  | 30598      | 78% | 11527.8 | 3.0              | 42135                 | 32781      | 78% | 11898.4 | 4.0              | 47396                 | 37158      | 78% | 12621.1 | 4.0              | 53794                 | 42229      | 79% | 13616.9 | 4.0              |
|                    | 95°F                             | 37568                  | 29115      | 78% | 10311.2 | 4.0              | 40094                 | 31193      | 78% | 10642.7 | 4.0              | 45100                 | 35358      | 78% | 11289.1 | 4.0              | 51189                 | 40183      | 79% | 12179.8 | 4.0              |
|                    | 104°F                            | 35656                  | 27633      | 78% | 8845.3  | 4.0              | 38053                 | 29605      | 78% | 9129.6  | 4.0              | 42804                 | 33558      | 78% | 9684.2  | 4.0              | 48583                 | 38137      | 79% | 10448.2 | 5.0              |
|                    | 113°F                            | 33743                  | 26151      | 78% | 7636.6  | 4.0              | 36012                 | 28017      | 78% | 7882.0  | 5.0              | 40508                 | 31758      | 78% | 8360.8  | 5.0              | 45977                 | 36092      | 79% | 9020.4  | 5.0              |
|                    | 118°F                            | 32596                  | 25262      | 78% | 7249.7  | 4.0              | 34787                 | 27064      | 78% | 7482.7  | 5.0              | 39130                 | 30678      | 78% | 7937.2  | 5.0              | 44413                 | 34864      | 79% | 8563.4  | 5.0              |


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## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |         |                  |                       |            |     |         |                  |                       |            |     |         |                  |                       |            |     |         |                  |
|--------------------|----------------------------------|------------------------|------------|-----|---------|------------------|-----------------------|------------|-----|---------|------------------|-----------------------|------------|-----|---------|------------------|-----------------------|------------|-----|---------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |         |                  | 75°F (DB) / 63°F (WB) |            |     |         |                  | 80°F (DB) / 67°F (WB) |            |     |         |                  | 90°F (DB) / 73°F (WB) |            |     |         |                  |
|                    |                                  | TC (KBtu/h)            | SC (Btu/h) | SHR | EER     | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER     | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER     | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER     | Power Input (KW) |
| 70%                | -22°F                            | 21788                  | 16886      | 78% | 14240.6 | 2.0              | 23253                 | 18091      | 78% | 14698.4 | 2.0              | 26156                 | 20506      | 78% | 15591.2 | 2.0              | 29687                 | 23304      | 79% | 16821.3 | 2.0              |
|                    | -4°F                             | 23179                  | 17964      | 78% | 14240.6 | 2.0              | 24737                 | 19245      | 78% | 14698.4 | 2.0              | 27826                 | 21815      | 78% | 15591.2 | 2.0              | 31582                 | 24792      | 79% | 16821.3 | 2.0              |
|                    | 5°F                              | 24658                  | 19110      | 78% | 14240.6 | 2.0              | 26316                 | 20474      | 78% | 14698.4 | 2.0              | 29602                 | 23208      | 78% | 15591.2 | 2.0              | 33598                 | 26374      | 79% | 16821.3 | 2.0              |
|                    | 14°F                             | 26232                  | 20330      | 78% | 14240.6 | 2.0              | 27996                 | 21781      | 78% | 14698.4 | 2.0              | 31491                 | 24689      | 78% | 15591.2 | 2.0              | 35742                 | 28058      | 79% | 16821.3 | 2.0              |
|                    | 23°F                             | 27907                  | 21628      | 78% | 14240.6 | 2.0              | 29783                 | 23171      | 78% | 14698.4 | 2.0              | 33501                 | 26265      | 78% | 15591.2 | 2.0              | 38024                 | 29849      | 79% | 16821.3 | 2.0              |
|                    | 32°F                             | 29688                  | 23008      | 78% | 14240.6 | 2.0              | 31684                 | 24650      | 78% | 14698.4 | 2.0              | 35640                 | 27941      | 78% | 15591.2 | 2.0              | 40451                 | 31754      | 79% | 16821.3 | 2.0              |
|                    | 41°F                             | 31583                  | 24477      | 78% | 14240.6 | 2.0              | 33706                 | 26223      | 78% | 14698.4 | 2.0              | 37914                 | 29725      | 78% | 15591.2 | 2.0              | 43033                 | 33781      | 79% | 16821.3 | 3.0              |
|                    | 50°F                             | 33599                  | 26039      | 78% | 14240.6 | 2.0              | 35857                 | 27897      | 78% | 14698.4 | 2.0              | 40335                 | 31622      | 78% | 15591.2 | 3.0              | 45780                 | 35937      | 79% | 16821.3 | 3.0              |
|                    | 59°F                             | 35743                  | 27701      | 78% | 14240.6 | 3.0              | 38146                 | 29678      | 78% | 14698.4 | 3.0              | 42909                 | 33641      | 78% | 15591.2 | 3.0              | 48702                 | 38231      | 79% | 16821.3 | 3.0              |
|                    | 68°F                             | 38025                  | 29469      | 78% | 14240.6 | 3.0              | 40581                 | 31572      | 78% | 14698.4 | 3.0              | 45648                 | 35788      | 78% | 15591.2 | 3.0              | 51810                 | 40671      | 79% | 16821.3 | 3.0              |
|                    | 77°F                             | 36345                  | 28168      | 78% | 12795.0 | 3.0              | 38789                 | 30178      | 78% | 13206.3 | 3.0              | 43632                 | 34207      | 78% | 14008.5 | 3.0              | 49522                 | 38875      | 79% | 15113.7 | 3.0              |
|                    | 86°F                             | 34666                  | 26866      | 78% | 11471.6 | 3.0              | 36997                 | 28783      | 78% | 11840.3 | 3.0              | 41616                 | 32627      | 78% | 12559.5 | 3.0              | 47234                 | 37079      | 79% | 13550.4 | 3.0              |
|                    | 95°F                             | 32987                  | 25565      | 78% | 10260.9 | 3.0              | 35204                 | 27389      | 78% | 10590.7 | 3.0              | 39600                 | 31046      | 78% | 11234.0 | 4.0              | 44946                 | 35283      | 79% | 12120.4 | 4.0              |
|                    | 104°F                            | 31307                  | 24263      | 78% | 8802.2  | 4.0              | 33412                 | 25995      | 78% | 9085.1  | 4.0              | 37584                 | 29466      | 78% | 9636.9  | 4.0              | 42658                 | 33486      | 79% | 10397.3 | 4.0              |
|                    | 113°F                            | 29628                  | 22962      | 78% | 7599.3  | 4.0              | 31620                 | 24600      | 78% | 7843.6  | 4.0              | 35568                 | 27885      | 78% | 8320.0  | 4.0              | 40370                 | 31690      | 79% | 8976.4  | 4.0              |
|                    | 118°F                            | 28621                  | 22181      | 78% | 7214.3  | 4.0              | 30545                 | 23764      | 78% | 7446.2  | 4.0              | 34358                 | 26937      | 78% | 7898.5  | 4.0              | 38997                 | 30612      | 79% | 8521.7  | 5.0              |
| 60%                | -22°F                            | 18762                  | 14540      | 78% | 14149.3 | 1.0              | 20023                 | 15578      | 78% | 14604.2 | 1.0              | 22523                 | 17658      | 78% | 15491.2 | 1.0              | 25564                 | 20068      | 79% | 16713.5 | 2.0              |
|                    | -4°F                             | 19959                  | 15469      | 78% | 14149.3 | 1.0              | 21301                 | 16572      | 78% | 14604.2 | 1.0              | 23961                 | 18785      | 78% | 15491.2 | 2.0              | 27196                 | 21349      | 79% | 16713.5 | 2.0              |
|                    | 5°F                              | 21233                  | 16456      | 78% | 14149.3 | 2.0              | 22661                 | 17630      | 78% | 14604.2 | 2.0              | 25490                 | 19984      | 78% | 15491.2 | 2.0              | 28932                 | 22711      | 79% | 16713.5 | 2.0              |
|                    | 14°F                             | 22589                  | 17506      | 78% | 14149.3 | 2.0              | 24107                 | 18756      | 78% | 14604.2 | 2.0              | 27117                 | 21260      | 78% | 15491.2 | 2.0              | 30778                 | 24161      | 79% | 16713.5 | 2.0              |
|                    | 23°F                             | 24031                  | 18624      | 78% | 14149.3 | 2.0              | 25646                 | 19953      | 78% | 14604.2 | 2.0              | 28848                 | 22617      | 78% | 15491.2 | 2.0              | 32743                 | 25703      | 79% | 16713.5 | 2.0              |
|                    | 32°F                             | 25565                  | 19812      | 78% | 14149.3 | 2.0              | 27283                 | 21226      | 78% | 14604.2 | 2.0              | 30690                 | 24061      | 78% | 15491.2 | 2.0              | 34833                 | 27344      | 79% | 16713.5 | 2.0              |
|                    | 41°F                             | 27196                  | 21077      | 78% | 14149.3 | 2.0              | 29025                 | 22581      | 78% | 14604.2 | 2.0              | 32649                 | 25596      | 78% | 15491.2 | 2.0              | 37056                 | 29089      | 79% | 16713.5 | 2.0              |
|                    | 50°F                             | 28932                  | 22422      | 78% | 14149.3 | 2.0              | 30877                 | 24022      | 78% | 14604.2 | 2.0              | 34733                 | 27230      | 78% | 15491.2 | 2.0              | 39421                 | 30946      | 79% | 16713.5 | 2.0              |
|                    | 59°F                             | 30779                  | 23854      | 78% | 14149.3 | 2.0              | 32848                 | 25556      | 78% | 14604.2 | 2.0              | 36950                 | 28968      | 78% | 15491.2 | 2.0              | 41938                 | 32921      | 79% | 16713.5 | 3.0              |
|                    | 68°F                             | 32744                  | 25376      | 78% | 14149.3 | 2.0              | 34945                 | 27187      | 78% | 14604.2 | 2.0              | 39308                 | 30817      | 78% | 15491.2 | 3.0              | 44615                 | 35022      | 79% | 16713.5 | 3.0              |
|                    | 77°F                             | 31297                  | 24256      | 78% | 12713.0 | 2.0              | 33402                 | 25986      | 78% | 13121.6 | 3.0              | 37572                 | 29456      | 78% | 13918.7 | 3.0              | 42644                 | 33476      | 79% | 15016.8 | 3.0              |
|                    | 86°F                             | 29851                  | 23135      | 78% | 11398.1 | 3.0              | 31858                 | 24786      | 78% | 11764.4 | 3.0              | 35836                 | 28095      | 78% | 12479.0 | 3.0              | 40674                 | 31929      | 79% | 13463.6 | 3.0              |
|                    | 95°F                             | 28405                  | 22014      | 78% | 10195.1 | 3.0              | 30315                 | 23585      | 78% | 10522.9 | 3.0              | 34100                 | 26734      | 78% | 11162.0 | 3.0              | 38704                 | 30382      | 79% | 12042.7 | 3.0              |
|                    | 104°F                            | 26959                  | 20893      | 78% | 8745.7  | 3.0              | 28772                 | 22384      | 78% | 9026.8  | 3.0              | 32364                 | 25373      | 78% | 9575.2  | 3.0              | 36733                 | 28836      | 79% | 10330.6 | 4.0              |
|                    | 113°F                            | 25513                  | 19773      | 78% | 7550.6  | 3.0              | 27228                 | 21184      | 78% | 7793.3  | 3.0              | 30628                 | 24012      | 78% | 8266.7  | 4.0              | 34763                 | 27289      | 79% | 8918.9  | 4.0              |
|                    | 118°F                            | 24645                  | 19100      | 78% | 7168.1  | 3.0              | 26302                 | 20463      | 78% | 7398.5  | 4.0              | 29586                 | 23196      | 78% | 7847.9  | 4.0              | 33581                 | 26361      | 79% | 8467.0  | 4.0              |



## EXTENDED RATINGS

MUL60HPJ132OA

## COOLING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature (DB) | Return Air Temperature |            |     |         |                  |                       |            |     |         |                  |                       |            |     |         |                  |                       |            |     |         |                  |
|--------------------|----------------------------------|------------------------|------------|-----|---------|------------------|-----------------------|------------|-----|---------|------------------|-----------------------|------------|-----|---------|------------------|-----------------------|------------|-----|---------|------------------|
|                    |                                  | 70°F (DB) / 59°F (WB)  |            |     |         |                  | 75°F (DB) / 63°F (WB) |            |     |         |                  | 80°F (DB) / 67°F (WB) |            |     |         |                  | 90°F (DB) / 73°F (WB) |            |     |         |                  |
|                    |                                  | TC (Kbtu/h)            | SC (Btu/h) | SHR | EER     | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER     | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER     | Power Input (KW) | TC (Btu/h)            | SC (Btu/h) | SHR | EER     | Power Input (KW) |
| 50%                | -22°F                            | 15736                  | 12195      | 78% | 14024.9 | 1.0              | 16794                 | 13065      | 78% | 14475.7 | 1.0              | 18890                 | 14810      | 78% | 15355.0 | 1.0              | 21441                 | 16831      | 79% | 16566.4 | 1.0              |
|                    | -4°F                             | 16740                  | 12974      | 78% | 14024.9 | 1.0              | 17866                 | 13899      | 78% | 14475.7 | 1.0              | 20096                 | 15755      | 78% | 15355.0 | 1.0              | 22809                 | 17905      | 79% | 16566.4 | 1.0              |
|                    | 5°F                              | 17809                  | 13802      | 78% | 14024.9 | 1.0              | 19006                 | 14787      | 78% | 14475.7 | 1.0              | 21379                 | 16761      | 78% | 15355.0 | 1.0              | 24265                 | 19048      | 79% | 16566.4 | 1.0              |
|                    | 14°F                             | 18945                  | 14683      | 78% | 14024.9 | 1.0              | 20219                 | 15730      | 78% | 14475.7 | 1.0              | 22744                 | 17831      | 78% | 15355.0 | 1.0              | 25814                 | 20264      | 79% | 16566.4 | 2.0              |
|                    | 23°F                             | 20155                  | 15620      | 78% | 14024.9 | 1.0              | 21510                 | 16735      | 78% | 14475.7 | 1.0              | 24195                 | 18969      | 78% | 15355.0 | 2.0              | 27462                 | 21557      | 79% | 16566.4 | 2.0              |
|                    | 32°F                             | 21441                  | 16617      | 78% | 14024.9 | 2.0              | 22883                 | 17803      | 78% | 14475.7 | 2.0              | 25740                 | 20180      | 78% | 15355.0 | 2.0              | 29215                 | 22933      | 79% | 16566.4 | 2.0              |
|                    | 41°F                             | 22810                  | 17678      | 78% | 14024.9 | 2.0              | 24343                 | 18939      | 78% | 14475.7 | 2.0              | 27383                 | 21468      | 78% | 15355.0 | 2.0              | 31079                 | 24397      | 79% | 16566.4 | 2.0              |
|                    | 50°F                             | 24266                  | 18806      | 78% | 14024.9 | 2.0              | 25897                 | 20148      | 78% | 14475.7 | 2.0              | 29131                 | 22838      | 78% | 15355.0 | 2.0              | 33063                 | 25955      | 79% | 16566.4 | 2.0              |
|                    | 59°F                             | 25815                  | 20006      | 78% | 14024.9 | 2.0              | 27550                 | 21434      | 78% | 14475.7 | 2.0              | 30990                 | 24296      | 78% | 15355.0 | 2.0              | 35174                 | 27611      | 79% | 16566.4 | 2.0              |
|                    | 68°F                             | 27462                  | 21283      | 78% | 14024.9 | 2.0              | 29309                 | 22802      | 78% | 14475.7 | 2.0              | 32968                 | 25847      | 78% | 15355.0 | 2.0              | 37419                 | 29374      | 79% | 16566.4 | 2.0              |
|                    | 77°F                             | 26249                  | 20343      | 78% | 12601.1 | 2.0              | 28014                 | 21795      | 78% | 13006.2 | 2.0              | 31512                 | 24705      | 78% | 13796.2 | 2.0              | 35766                 | 28076      | 79% | 14884.7 | 2.0              |
|                    | 86°F                             | 25037                  | 19403      | 78% | 11297.8 | 2.0              | 26720                 | 20788      | 78% | 11660.9 | 2.0              | 30056                 | 23564      | 78% | 12369.2 | 2.0              | 34114                 | 26779      | 79% | 13345.1 | 3.0              |
|                    | 95°F                             | 23824                  | 18463      | 78% | 10105.5 | 2.0              | 25425                 | 19781      | 78% | 10430.3 | 2.0              | 28600                 | 22422      | 78% | 11063.8 | 3.0              | 32461                 | 25482      | 79% | 11936.7 | 3.0              |
|                    | 104°F                            | 22611                  | 17523      | 78% | 8668.8  | 3.0              | 24131                 | 18774      | 78% | 8947.4  | 3.0              | 27144                 | 21281      | 78% | 9490.9  | 3.0              | 30808                 | 24185      | 79% | 10239.7 | 3.0              |
|                    | 113°F                            | 21398                  | 16584      | 78% | 7484.2  | 3.0              | 22837                 | 17767      | 78% | 7724.7  | 3.0              | 25688                 | 20139      | 78% | 8193.9  | 3.0              | 29156                 | 22887      | 79% | 8840.4  | 3.0              |
|                    | 118°F                            | 20670                  | 16020      | 78% | 7105.0  | 3.0              | 22060                 | 17163      | 78% | 7333.4  | 3.0              | 24814                 | 19454      | 78% | 7778.8  | 3.0              | 28164                 | 22109      | 79% | 8392.5  | 3.0              |


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# EXTENDED RATINGS

MUL60HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 135%               | -22°F                       | -22.5°F | 28000                  | 1.6      | 5.0              | 27636      | 1.6      | 5.1              | 26936      | 1.5      | 5.2              |
|                    | -5°F                        | -6°F    | 33880                  | 2.0      | 5.1              | 33440      | 1.9      | 5.2              | 32593      | 1.8      | 5.3              |
|                    | 0°F                         | -1°F    | 35840                  | 2.1      | 5.1              | 35374      | 2.0      | 5.2              | 34478      | 1.9      | 5.4              |
|                    | 5°F                         | 3°F     | 37800                  | 2.2      | 5.2              | 37309      | 2.1      | 5.3              | 36364      | 2.0      | 5.4              |
|                    | 7°F                         | 5°F     | 38114                  | 2.2      | 5.0              | 37619      | 2.2      | 5.1              | 36666      | 2.1      | 5.2              |
|                    | 17°F                        | 15°F    | 40000                  | 2.8      | 4.3              | 39480      | 2.7      | 4.3              | 38480      | 2.5      | 4.4              |
|                    | 28°F                        | 26°F    | 40750                  | 3.1      | 3.8              | 40220      | 3.0      | 3.9              | 39202      | 2.9      | 4.0              |
|                    | 38°F                        | 35°F    | 41375                  | 3.5      | 3.5              | 40837      | 3.4      | 3.6              | 39803      | 3.2      | 3.7              |
|                    | 47°F                        | 43°F    | 42000                  | 3.9      | 3.2              | 41454      | 3.8      | 3.2              | 40404      | 3.6      | 3.3              |
|                    | 57°F                        | 52°F    | 43260                  | 4.2      | 3.0              | 42698      | 4.1      | 3.1              | 41616      | 3.9      | 3.1              |
|                    | 68°F                        | 63°F    | 44940                  | 4.5      | 3.0              | 44356      | 4.3      | 3.0              | 43232      | 4.1      | 3.1              |
| 120%               | 77°F                        | 71°F    | 46200                  | 4.7      | 2.9              | 45599      | 4.5      | 3.0              | 44444      | 4.3      | 3.0              |
|                    | -22°F                       | -22.5°F | 28000                  | 1.6      | 5.0              | 27636      | 1.6      | 5.1              | 26936      | 1.5      | 5.2              |
|                    | -5°F                        | -6°F    | 33880                  | 2.0      | 5.1              | 33440      | 1.9      | 5.2              | 32593      | 1.8      | 5.3              |
|                    | 0°F                         | -1°F    | 35840                  | 2.1      | 5.1              | 35374      | 2.0      | 5.2              | 34478      | 1.9      | 5.4              |
|                    | 5°F                         | 3°F     | 37800                  | 2.2      | 5.2              | 37309      | 2.1      | 5.3              | 36364      | 2.0      | 5.4              |
|                    | 7°F                         | 5°F     | 38114                  | 2.2      | 5.0              | 37619      | 2.2      | 5.1              | 36666      | 2.1      | 5.2              |
|                    | 17°F                        | 15°F    | 40000                  | 2.8      | 4.3              | 39480      | 2.7      | 4.3              | 38480      | 2.5      | 4.4              |
|                    | 28°F                        | 26°F    | 40750                  | 3.1      | 3.8              | 40220      | 3.0      | 3.9              | 39202      | 2.9      | 4.0              |
|                    | 38°F                        | 35°F    | 41375                  | 3.5      | 3.5              | 40837      | 3.4      | 3.6              | 39803      | 3.2      | 3.7              |
|                    | 47°F                        | 43°F    | 42000                  | 3.9      | 3.2              | 41454      | 3.8      | 3.2              | 40404      | 3.6      | 3.3              |
|                    | 57°F                        | 52°F    | 43260                  | 4.2      | 3.0              | 42698      | 4.1      | 3.1              | 41616      | 3.9      | 3.1              |
|                    | 68°F                        | 63°F    | 44940                  | 4.5      | 3.0              | 44356      | 4.3      | 3.0              | 43232      | 4.1      | 3.1              |
|                    | 77°F                        | 71°F    | 46200                  | 4.7      | 2.9              | 45599      | 4.5      | 3.0              | 44444      | 4.3      | 3.0              |



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# EXTENDED RATINGS

MUL60HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 110%               | -22°F                       | -22.5°F | 28000                  | 1.6      | 5.0              | 27636      | 1.6      | 5.1              | 26936      | 1.5      | 5.2              |
|                    | -5°F                        | -6°F    | 33880                  | 2.0      | 5.1              | 33440      | 1.9      | 5.2              | 32593      | 1.8      | 5.3              |
|                    | 0°F                         | -1°F    | 35840                  | 2.1      | 5.1              | 35374      | 2.0      | 5.2              | 34478      | 1.9      | 5.4              |
|                    | 5°F                         | 3°F     | 37800                  | 2.2      | 5.2              | 37309      | 2.1      | 5.3              | 36364      | 2.0      | 5.4              |
|                    | 7°F                         | 5°F     | 38114                  | 2.2      | 5.0              | 37619      | 2.2      | 5.1              | 36666      | 2.1      | 5.2              |
|                    | 17°F                        | 15°F    | 40000                  | 2.8      | 4.3              | 39480      | 2.7      | 4.3              | 38480      | 2.5      | 4.4              |
|                    | 28°F                        | 26°F    | 40750                  | 3.1      | 3.8              | 40220      | 3.0      | 3.9              | 39202      | 2.9      | 4.0              |
|                    | 38°F                        | 35°F    | 41375                  | 3.5      | 3.5              | 40837      | 3.4      | 3.6              | 39803      | 3.2      | 3.7              |
|                    | 47°F                        | 43°F    | 42000                  | 3.9      | 3.2              | 41454      | 3.8      | 3.2              | 40404      | 3.6      | 3.3              |
|                    | 57°F                        | 52°F    | 43260                  | 4.2      | 3.0              | 42698      | 4.1      | 3.1              | 41616      | 3.9      | 3.1              |
|                    | 68°F                        | 63°F    | 44940                  | 4.5      | 3.0              | 44356      | 4.3      | 3.0              | 43232      | 4.1      | 3.1              |
|                    | 77°F                        | 71°F    | 46200                  | 4.7      | 2.9              | 45599      | 4.5      | 3.0              | 44444      | 4.3      | 3.0              |
| 100%               | -22°F                       | -22.5°F | 28000                  | 1.6      | 5.1              | 27636      | 1.6      | 5.2              | 26936      | 1.5      | 5.3              |
|                    | -5°F                        | -6°F    | 33280                  | 1.8      | 5.4              | 32847      | 1.7      | 5.5              | 32015      | 1.7      | 5.6              |
|                    | 0°F                         | -1°F    | 35040                  | 1.9      | 5.5              | 34584      | 1.8      | 5.6              | 33708      | 1.7      | 5.7              |
|                    | 5°F                         | 3°F     | 36800                  | 1.9      | 5.6              | 36322      | 1.9      | 5.7              | 35402      | 1.8      | 5.9              |
|                    | 7°F                         | 5°F     | 38571                  | 2.0      | 5.6              | 38070      | 2.0      | 5.7              | 37106      | 1.9      | 5.8              |
|                    | 17°F                        | 15°F    | 49200                  | 2.6      | 5.5              | 48560      | 2.5      | 5.6              | 47330      | 2.4      | 5.7              |
|                    | 28°F                        | 26°F    | 51375                  | 3.0      | 5.1              | 50707      | 2.9      | 5.2              | 49423      | 2.7      | 5.3              |
|                    | 38°F                        | 35°F    | 53188                  | 3.3      | 4.7              | 52496      | 3.2      | 4.8              | 51166      | 3.1      | 4.9              |
|                    | 47°F                        | 43°F    | 55000                  | 3.8      | 4.3              | 54285      | 3.6      | 4.4              | 52910      | 3.5      | 4.5              |
|                    | 57°F                        | 52°F    | 56650                  | 4.0      | 4.1              | 55914      | 3.9      | 4.2              | 54497      | 3.7      | 4.3              |
|                    | 68°F                        | 63°F    | 58850                  | 4.3      | 4.0              | 58085      | 4.1      | 4.1              | 56614      | 3.9      | 4.2              |
|                    | 77°F                        | 71°F    | 60500                  | 4.5      | 4.0              | 59714      | 4.3      | 4.0              | 58201      | 4.1      | 4.1              |



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# EXTENDED RATINGS

MUL60HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 90%                | -22°F                       | -22.5°F | 26600                  | 1592.3   | 5.0              | 26254      | 1537.8   | 5.0              | 25589      | 1465.9   | 5.0              |
|                    | -5°F                        | -6°F    | 31616                  | 1787.5   | 5.0              | 31205      | 1726.2   | 5.0              | 30415      | 1645.5   | 5.0              |
|                    | 0°F                         | -1°F    | 33288                  | 1847.8   | 5.0              | 32855      | 1784.5   | 5.0              | 32023      | 1701.0   | 6.0              |
|                    | 5°F                         | 3°F     | 34960                  | 1905.9   | 5.0              | 34506      | 1840.6   | 5.0              | 33632      | 1754.5   | 6.0              |
|                    | 7°F                         | 5°F     | 36643                  | 2002.8   | 5.0              | 36167      | 1934.2   | 5.0              | 35250      | 1843.7   | 6.0              |
|                    | 17°F                        | 15°F    | 46740                  | 2594.5   | 5.0              | 46132      | 2505.6   | 5.0              | 44964      | 2388.4   | 6.0              |
|                    | 28°F                        | 26°F    | 48806                  | 2950.6   | 5.0              | 48172      | 2849.5   | 5.0              | 46952      | 2716.2   | 5.0              |
|                    | 38°F                        | 35°F    | 50528                  | 3299.7   | 4.0              | 49871      | 3186.7   | 5.0              | 48608      | 3037.6   | 5.0              |
|                    | 47°F                        | 43°F    | 52250                  | 3709.7   | 4.0              | 51571      | 3582.7   | 4.0              | 50265      | 3415.0   | 4.0              |
|                    | 57°F                        | 52°F    | 53818                  | 3998.4   | 4.0              | 53118      | 3861.5   | 4.0              | 51772      | 3680.8   | 4.0              |
|                    | 68°F                        | 63°F    | 55908                  | 4221.9   | 4.0              | 55181      | 4077.3   | 4.0              | 53783      | 3886.6   | 4.0              |
|                    | 77°F                        | 71°F    | 57475                  | 4439.8   | 4.0              | 56728      | 4287.8   | 4.0              | 55291      | 4087.2   | 4.0              |
| 80%                | -22°F                       | -22.5°F | 23240                  | 1571.2   | 4.0              | 22938      | 1517.4   | 4.0              | 22357      | 1446.4   | 5.0              |
|                    | -5°F                        | -6°F    | 27622                  | 1763.8   | 5.0              | 27263      | 1703.4   | 5.0              | 26573      | 1623.7   | 5.0              |
|                    | 0°F                         | -1°F    | 29083                  | 1823.3   | 5.0              | 28705      | 1760.8   | 5.0              | 27978      | 1678.5   | 5.0              |
|                    | 5°F                         | 3°F     | 30544                  | 1880.7   | 5.0              | 30147      | 1816.3   | 5.0              | 29383      | 1731.3   | 5.0              |
|                    | 7°F                         | 5°F     | 32014                  | 1976.2   | 5.0              | 31598      | 1908.6   | 5.0              | 30798      | 1819.3   | 5.0              |
|                    | 17°F                        | 15°F    | 40836                  | 2560.1   | 5.0              | 40305      | 2472.4   | 5.0              | 39284      | 2356.7   | 5.0              |
|                    | 28°F                        | 26°F    | 42641                  | 2911.5   | 4.0              | 42087      | 2811.8   | 4.0              | 41021      | 2680.2   | 4.0              |
|                    | 38°F                        | 35°F    | 44146                  | 3256.0   | 4.0              | 43572      | 3144.5   | 4.0              | 42468      | 2997.4   | 4.0              |
|                    | 47°F                        | 43°F    | 45650                  | 3660.5   | 4.0              | 45057      | 3535.2   | 4.0              | 43915      | 3369.8   | 4.0              |
|                    | 57°F                        | 52°F    | 47020                  | 3945.4   | 3.0              | 46408      | 3810.3   | 4.0              | 45233      | 3632.1   | 4.0              |
|                    | 68°F                        | 63°F    | 48846                  | 4166.0   | 3.0              | 48211      | 4023.3   | 4.0              | 46989      | 3835.1   | 4.0              |
|                    | 77°F                        | 71°F    | 50215                  | 4381.0   | 3.0              | 49562      | 4230.9   | 3.0              | 48307      | 4033.0   | 4.0              |



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# EXTENDED RATINGS

MUL60HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 70%                | -22°F                       | -22.5°F | 20160                  | 1544.7   | 4.0              | 19898      | 1491.8   | 4.0              | 19394      | 1422.0   | 4.0              |
|                    | -5°F                        | -6°F    | 23962                  | 1734.0   | 4.0              | 23650      | 1674.6   | 4.0              | 23051      | 1596.3   | 4.0              |
|                    | 0°F                         | -1°F    | 25229                  | 1792.5   | 4.0              | 24901      | 1731.1   | 4.0              | 24270      | 1650.2   | 4.0              |
|                    | 5°F                         | 3°F     | 26496                  | 1848.9   | 4.0              | 26152      | 1785.6   | 4.0              | 25489      | 1702.1   | 4.0              |
|                    | 7°F                         | 5°F     | 27771                  | 1942.9   | 4.0              | 27410      | 1876.4   | 4.0              | 26716      | 1788.6   | 4.0              |
|                    | 17°F                        | 15°F    | 35424                  | 2516.9   | 4.0              | 34963      | 2430.7   | 4.0              | 34078      | 2317.0   | 4.0              |
|                    | 28°F                        | 26°F    | 36990                  | 2862.4   | 4.0              | 36509      | 2764.3   | 4.0              | 35584      | 2635.0   | 4.0              |
|                    | 38°F                        | 35°F    | 38295                  | 3201.0   | 4.0              | 37797      | 3091.4   | 4.0              | 36840      | 2946.8   | 4.0              |
|                    | 47°F                        | 43°F    | 39600                  | 3598.8   | 3.0              | 39085      | 3475.5   | 3.0              | 38095      | 3313.0   | 3.0              |
|                    | 57°F                        | 52°F    | 40788                  | 3878.9   | 3.0              | 40258      | 3746.1   | 3.0              | 39238      | 3570.8   | 3.0              |
|                    | 68°F                        | 63°F    | 42372                  | 4095.7   | 3.0              | 41821      | 3955.4   | 3.0              | 40762      | 3770.4   | 3.0              |
|                    | 77°F                        | 71°F    | 43560                  | 4307.1   | 3.0              | 42994      | 4159.6   | 3.0              | 41905      | 3965.0   | 3.0              |
| 60%                | -22°F                       | -22.5°F | 17360                  | 1534.8   | 3.0              | 17134      | 1482.3   | 3.0              | 16700      | 1412.9   | 3.0              |
|                    | -5°F                        | -6°F    | 20634                  | 1722.9   | 4.0              | 20365      | 1663.9   | 4.0              | 19850      | 1586.1   | 4.0              |
|                    | 0°F                         | -1°F    | 21725                  | 1781.0   | 4.0              | 21442      | 1720.0   | 4.0              | 20899      | 1639.6   | 4.0              |
|                    | 5°F                         | 3°F     | 22816                  | 1837.1   | 4.0              | 22519      | 1774.2   | 4.0              | 21949      | 1691.2   | 4.0              |
|                    | 7°F                         | 5°F     | 23914                  | 1930.4   | 4.0              | 23603      | 1864.3   | 4.0              | 23006      | 1777.1   | 4.0              |
|                    | 17°F                        | 15°F    | 30504                  | 2500.8   | 4.0              | 30107      | 2415.1   | 4.0              | 29345      | 2302.1   | 4.0              |
|                    | 28°F                        | 26°F    | 31853                  | 2844.0   | 3.0              | 31438      | 2746.6   | 3.0              | 30642      | 2618.1   | 3.0              |
|                    | 38°F                        | 35°F    | 32976                  | 3180.5   | 3.0              | 32548      | 3071.6   | 3.0              | 31723      | 2927.9   | 3.0              |
|                    | 47°F                        | 43°F    | 34100                  | 3575.7   | 3.0              | 33657      | 3453.3   | 3.0              | 32804      | 3291.7   | 3.0              |
|                    | 57°F                        | 52°F    | 35123                  | 3854.0   | 3.0              | 34666      | 3722.0   | 3.0              | 33788      | 3547.9   | 3.0              |
|                    | 68°F                        | 63°F    | 36487                  | 4069.4   | 3.0              | 36013      | 3930.1   | 3.0              | 35100      | 3746.2   | 3.0              |
|                    | 77°F                        | 71°F    | 37510                  | 4279.5   | 3.0              | 37022      | 4132.9   | 3.0              | 36085      | 3939.6   | 3.0              |



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# EXTENDED RATINGS

MUL60HPJ132OA

## HEATING PERFORMANCE

| Connected Capacity | Outdoor Ambient Temperature |         | Return Air Temperature |          |                  |            |          |                  |            |          |                  |
|--------------------|-----------------------------|---------|------------------------|----------|------------------|------------|----------|------------------|------------|----------|------------------|
|                    |                             |         | 70°F (DB)              |          |                  | 75°F (DB)  |          |                  | 80°F (DB)  |          |                  |
|                    |                             |         | TC (Btu/h)             | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) | TC (Btu/h) | COP(W/W) | Power Input (KW) |
|                    | DB                          | WB      |                        |          |                  |            |          |                  |            |          |                  |
| 50%                | -22°F                       | -22.5°F | 14560                  | 1521.3   | 3.0              | 14371      | 1469.2   | 3.0              | 14007      | 1400.5   | 3.0              |
|                    | -5°F                        | -6°F    | 17306                  | 1707.7   | 3.0              | 17081      | 1649.3   | 3.0              | 16648      | 1572.1   | 3.0              |
|                    | 0°F                         | -1°F    | 18221                  | 1765.4   | 3.0              | 17984      | 1704.9   | 3.0              | 17528      | 1625.1   | 3.0              |
|                    | 5°F                         | 3°F     | 19136                  | 1820.9   | 3.0              | 18887      | 1758.6   | 3.0              | 18409      | 1676.3   | 3.0              |
|                    | 7°F                         | 5°F     | 20057                  | 1913.5   | 3.0              | 19796      | 1847.9   | 3.0              | 19295      | 1761.5   | 3.0              |
|                    | 17°F                        | 15°F    | 25584                  | 2478.8   | 3.0              | 25251      | 2393.9   | 3.0              | 24612      | 2281.9   | 3.0              |
|                    | 28°F                        | 26°F    | 26715                  | 2819.0   | 3.0              | 26368      | 2722.4   | 3.0              | 25700      | 2595.1   | 3.0              |
|                    | 38°F                        | 35°F    | 27658                  | 3152.5   | 3.0              | 27298      | 3044.6   | 3.0              | 26607      | 2902.1   | 3.0              |
|                    | 47°F                        | 43°F    | 28600                  | 3544.3   | 2.0              | 28228      | 3422.9   | 2.0              | 27513      | 3262.8   | 2.0              |
|                    | 57°F                        | 52°F    | 29458                  | 3820.1   | 2.0              | 29075      | 3689.3   | 2.0              | 28339      | 3516.7   | 2.0              |
|                    | 68°F                        | 63°F    | 30602                  | 4033.6   | 2.0              | 30204      | 3895.5   | 2.0              | 29439      | 3713.3   | 2.0              |
|                    | 77°F                        | 71°F    | 31460                  | 4241.8   | 2.0              | 31051      | 4096.5   | 2.0              | 30265      | 3904.9   | 2.0              |



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