



## EXTENDED RATINGS

### Cooling Performance

KUL09HPL132IA / KUL09HPL132OA  
KUL12HPL132IA / KUL12HPL132OA  
KUL09HPJ132IA / KUL09HPJ132OA  
KUL12HPJ132IA / KUL12HPJ132OA  
KUL18HPJ132IA / KUL18HPJ132OA  
KUL24HPJ132IA / KUL24HPJ132OA

### Heating Performance

KUL09HPL132IA / KUL09HPL132OA  
KUL12HPL132IA / KUL12HPL132OA  
KUL09HPJ132IA / KUL09HPJ132OA  
KUL12HPJ132IA / KUL12HPJ132OA  
KUL18HPJ132IA / KUL18HPJ132OA  
KUL24HPJ132IA / KUL24HPJ132OA

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| COOLING PERFORMANCE              |       |                        |            |       |       |                 |                       |            |       |                |                 |                       |            |      |                |                 |                       |            |      |                |                 |
|----------------------------------|-------|------------------------|------------|-------|-------|-----------------|-----------------------|------------|-------|----------------|-----------------|-----------------------|------------|------|----------------|-----------------|-----------------------|------------|------|----------------|-----------------|
| 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 (Btu/h)             | SC (Btu/h) | SHR   | EER   | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR   | EER(Btu/(h·W)) | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR  | EER(Btu/(h·W)) | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR  | EER(Btu/(h·W)) | Power Input (W) |
| MAX OUTPUT*                      | -20°F | 7261                   | 5264       | 73%   | 11.10 | 654             | 7780                  | 5640       | 73%   | 11.51          | 676             | 8039                  | 5828       | 73%  | 11.35          | 709             | 8817                  | 6392       | 73%  | 11.56          | 763             |
|                                  | -15°F | 7650                   | 5546       | 73%   | 11.44 | 669             | 8169                  | 5922       | 72%   | 11.60          | 704             | 8428                  | 6110       | 73%  | 11.37          | 741             | 9206                  | 6674       | 73%  | 11.27          | 817             |
|                                  | -10°F | 7974                   | 5801       | 73%   | 11.66 | 684             | 8493                  | 6178       | 73%   | 11.80          | 720             | 8752                  | 6367       | 73%  | 11.55          | 758             | 9530                  | 6933       | 73%  | 11.41          | 835             |
|                                  | -5°F  | 8298                   | 6058       | 73%   | 11.88 | 698             | 8817                  | 6436       | 73%   | 11.99          | 735             | 9076                  | 6626       | 73%  | 11.73          | 774             | 9854                  | 7194       | 73%  | 11.55          | 853             |
|                                  | 0°F   | 8428                   | 6173       | 73%   | 11.82 | 713             | 8947                  | 6553       | 73%   | 11.92          | 751             | 9206                  | 6743       | 73%  | 11.65          | 790             | 9984                  | 7313       | 73%  | 11.46          | 871             |
|                                  | 5°F   | 8558                   | 6290       | 74%   | 11.76 | 728             | 9076                  | 6671       | 74%   | 11.84          | 766             | 9336                  | 6862       | 74%  | 11.57          | 807             | 10113                 | 7433       | 74%  | 11.37          | 889             |
|                                  | 10°F  | 8752                   | 6455       | 74%   | 11.78 | 743             | 9271                  | 6837       | 74%   | 11.86          | 782             | 9530                  | 7028       | 74%  | 11.58          | 823             | 10308                 | 7602       | 74%  | 11.36          | 907             |
|                                  | 15°F  | 8947                   | 6620       | 74%   | 11.81 | 757             | 9465                  | 7004       | 74%   | 11.87          | 797             | 9725                  | 7196       | 74%  | 11.59          | 839             | 10502                 | 7772       | 74%  | 11.35          | 925             |
|                                  | 20°F  | 9076                   | 6739       | 74%   | 11.75 | 772             | 9595                  | 7124       | 74%   | 11.80          | 813             | 9854                  | 7317       | 74%  | 11.52          | 856             | 10632                 | 7894       | 74%  | 11.27          | 943             |
|                                  | 25°F  | 9206                   | 6858       | 75%   | 11.70 | 787             | 9725                  | 7245       | 74%   | 11.74          | 828             | 9984                  | 7438       | 75%  | 11.45          | 872             | 10762                 | 8018       | 75%  | 11.19          | 961             |
|                                  | 30°F  | 9530                   | 7124       | 75%   | 11.89 | 802             | 10049                 | 7511       | 75%   | 11.91          | 844             | 10308                 | 7705       | 75%  | 11.60          | 888             | 11086                 | 8287       | 75%  | 11.32          | 979             |
|                                  | 35°F  | 9854                   | 7391       | 75%   | 12.07 | 816             | 10373                 | 7780       | 75%   | 12.07          | 859             | 10632                 | 7974       | 75%  | 11.75          | 905             | 11410                 | 8558       | 75%  | 11.44          | 997             |
|                                  | 40°F  | 10049                  | 7562       | 75%   | 12.09 | 831             | 10567                 | 7952       | 75%   | 12.08          | 875             | 10827                 | 8147       | 75%  | 11.75          | 921             | 11605                 | 8732       | 75%  | 11.43          | 1015            |
|                                  | 45°F  | 10243                  | 7734       | 75%   | 12.11 | 846             | 10762                 | 8125       | 75%   | 12.08          | 891             | 11021                 | 8321       | 75%  | 11.76          | 937             | 11799                 | 8908       | 76%  | 11.42          | 1033            |
|                                  | 50°F  | 10567                  | 8005       | 76%   | 12.28 | 861             | 11086                 | 8398       | 76%   | 12.24          | 906             | 11345                 | 8594       | 76%  | 11.90          | 954             | 12123                 | 9183       | 76%  | 11.53          | 1052            |
|                                  | 55°F  | 10891                  | 8277       | 76%   | 12.44 | 876             | 11410                 | 8672       | 76%   | 12.38          | 922             | 11669                 | 8869       | 76%  | 12.03          | 970             | 12447                 | 9460       | 76%  | 11.64          | 1070            |
|                                  | 60°F  | 11216                  | 8552       | 76%   | 12.60 | 890             | 11734                 | 8947       | 76%   | 12.52          | 937             | 11994                 | 9145       | 76%  | 12.16          | 986             | 12772                 | 9738       | 76%  | 11.74          | 1088            |
|                                  | 65°F  | 11540                  | 8828       | 76%   | 12.75 | 905             | 12058                 | 9225       | 76%   | 12.66          | 953             | 12318                 | 9423       | 76%  | 12.28          | 1003            | 13096                 | 10018      | 77%  | 11.84          | 1106            |
|                                  | 70°F  | 12058                  | 9255       | 77%   | 13.11 | 920             | 12577                 | 9653       | 77%   | 12.99          | 968             | 12836                 | 9852       | 77%  | 12.60          | 1019            | 13614                 | 10449      | 77%  | 12.12          | 1124            |
|                                  | 75°F  | 12577                  | 9684       | 77%   | 13.46 | 935             | 13096                 | 10084      | 77%   | 13.31          | 984             | 13355                 | 10283      | 77%  | 12.90          | 1036            | 14133                 | 10882      | 77%  | 12.38          | 1142            |
|                                  | 80°F  | 12772                  | 9866       | 77%   | 13.45 | 949             | 13290                 | 10267      | 77%   | 13.30          | 999             | 13549                 | 10467      | 77%  | 12.88          | 1052            | 14327                 | 11068      | 77%  | 12.35          | 1160            |
|                                  | 85°F  | 12966                  | 10049      | 78%   | 13.45 | 964             | 13485                 | 10451      | 78%   | 13.29          | 1015            | 13744                 | 10652      | 78%  | 12.87          | 1068            | 14522                 | 11254      | 78%  | 12.33          | 1178            |
|                                  | 90°F  | 12577                  | 9779       | 78%   | 12.91 | 974             | 13096                 | 10182      | 78%   | 12.77          | 1025            | 13355                 | 10384      | 78%  | 12.38          | 1079            | 14133                 | 10988      | 78%  | 11.88          | 1190            |
|                                  | 95°F  | 12188                  | 9507       | 78%   | 12.39 | 984             | 12707                 | 9911       | 78%   | 12.27          | 1036            | 12966                 | 10113      | 78%  | 11.90          | 1090            | 13744                 | 10720      | 78%  | 11.44          | 1202            |
|                                  | 100°F | 11864                  | 9283       | 78%   | 11.77 | 1008            | 12383                 | 9689       | 78%   | 11.67          | 1061            | 12642                 | 9892       | 78%  | 11.32          | 1117            | 13420                 | 10501      | 78%  | 10.89          | 1232            |
|                                  | 105°F | 11540                  | 9059       | 79%   | 11.17 | 1033            | 12058                 | 9466       | 79%   | 11.09          | 1087            | 12318                 | 9669       | 78%  | 10.76          | 1145            | 13096                 | 10280      | 79%  | 10.38          | 1262            |
|                                  | 110°F | 11345                  | 8934       | 79%   | 10.73 | 1058            | 11864                 | 9343       | 79%   | 10.66          | 1113            | 12123                 | 9547       | 79%  | 10.35          | 1172            | 12901                 | 10160      | 79%  | 9.99           | 1292            |
| 115°F                            | 11151 | 8809                   | 79%        | 10.30 | 1082  | 11669           | 9219                  | 79%        | 10.24 | 1139           | 11929           | 9424                  | 79%        | 9.95 | 1199           | 12707           | 10038                 | 79%        | 9.61 | 1322           |                 |
| 120°F                            | 10697 | 8477                   | 79%        | 9.85  | 1086  | 11216           | 8888                  | 79%        | 9.63  | 1165           | 11475           | 9094                  | 79%        | 9.36 | 1226           | 12253           | 9710                  | 79%        | 9.06 | 1352           |                 |
| 122°F                            | 10243 | 8143                   | 80%        | 9.40  | 1090  | 10762           | 8556                  | 80%        | 9.04  | 1191           | 11021           | 8762                  | 79%        | 8.79 | 1254           | 11799           | 9380                  | 80%        | 8.54 | 1382           |                 |
| 125°F                            |       |                        |            |       |       |                 |                       |            |       |                |                 |                       |            |      |                |                 |                       |            |      |                |                 |
| 129°F                            |       |                        |            |       |       |                 |                       |            |       |                |                 |                       |            |      |                |                 |                       |            |      |                |                 |

\*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts  
DB - Dry Bulb  
TC - Total Capacity  
SC - Total Capacity  
SHR - Sensible Heat Ratio  
COP - Coeffecient of Performance

# EXTENDED RATINGS

KUL09HPL132IA / KUL09HPL132OA

## HEATING PERFORMANCE

| Outdoor Ambient Temperature |       |         | Return Air Temperature |          |                 |            |          |                 |            |          |                 |            |          |                 |
|-----------------------------|-------|---------|------------------------|----------|-----------------|------------|----------|-----------------|------------|----------|-----------------|------------|----------|-----------------|
|                             |       |         | 70°F (DB)              |          |                 | 75°F (DB)  |          |                 | 80°F (DB)  |          |                 | 90°F (DB)  |          |                 |
|                             |       |         | TC (Btu/h)             | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) |
| MAX OUTPUT*                 | DB    | WB      |                        |          |                 |            |          |                 |            |          |                 |            |          |                 |
|                             | -22°F | -22.5°F | 7257                   | 1.78     | 1193            | 6957       | 1.68     | 1217            | 6657       | 1.57     | 1241            | 6356       | 1.47     | 1266            |
|                             | -20°F | -20.5°F | 7482                   | 1.82     | 1205            | 7182       | 1.71     | 1229            | 6882       | 1.61     | 1254            | 6582       | 1.51     | 1279            |
|                             | -15°F | -16°F   | 7708                   | 1.86     | 1217            | 7407       | 1.75     | 1241            | 7107       | 1.64     | 1266            | 6807       | 1.54     | 1292            |
|                             | -10°F | -11°F   | 8233                   | 1.96     | 1230            | 7933       | 1.85     | 1254            | 7632       | 1.75     | 1279            | 7332       | 1.65     | 1305            |
|                             | -5°F  | -6°F    | 8759                   | 2.07     | 1242            | 8458       | 1.96     | 1267            | 8158       | 1.85     | 1292            | 7858       | 1.97     | 1318            |
|                             | 0°F   | -1°F    | 9209                   | 2.13     | 1267            | 8909       | 2.02     | 1293            | 8608       | 1.91     | 1318            | 8308       | 2.03     | 1345            |
|                             | 5°F   | 3°F     | 9659                   | 2.19     | 1293            | 9359       | 2.08     | 1319            | 9059       | 1.97     | 1345            | 8759       | 2.08     | 1372            |
|                             | 10°F  | 8°F     | 11260                  | 2.50     | 1320            | 10960      | 2.39     | 1346            | 10659      | 2.28     | 1373            | 10359      | 2.17     | 1400            |
|                             | 15°F  | 13°F    | 11485                  | 2.53     | 1333            | 11485      | 2.48     | 1360            | 11185      | 2.36     | 1387            | 10884      | 2.26     | 1415            |
|                             | 17°F  | 15°F    | 11710                  | 2.55     | 1346            | 12010      | 2.56     | 1373            | 11710      | 2.45     | 1401            | 11410      | 2.34     | 1429            |
|                             | 20°F  | 17°F    | 12311                  | 2.63     | 1374            | 12010      | 2.51     | 1401            | 11710      | 2.40     | 1429            | 11410      | 2.29     | 1458            |
|                             | 25°F  | 22°F    | 12761                  | 2.67     | 1402            | 12461      | 2.55     | 1430            | 12161      | 2.44     | 1459            | 11860      | 2.34     | 1488            |
|                             | 30°F  | 27°F    | 12986                  | 2.69     | 1416            | 12686      | 2.57     | 1445            | 12386      | 2.46     | 1474            | 12086      | 2.36     | 1503            |
|                             | 35°F  | 33°F    | 13211                  | 2.71     | 1431            | 12911      | 2.59     | 1459            | 12611      | 2.48     | 1488            | 12311      | 2.38     | 1518            |
|                             | 40°F  | 36°F    | 14262                  | 2.86     | 1460            | 13962      | 2.75     | 1489            | 13662      | 2.64     | 1519            | 13362      | 2.53     | 1549            |
|                             | 45°F  | 41°F    | 14713                  | 2.89     | 1490            | 14413      | 2.78     | 1519            | 14112      | 2.67     | 1550            | 13812      | 2.56     | 1581            |
|                             | 47°F  | 43°F    | 15013                  | 2.89     | 1520            | 14713      | 2.78     | 1550            | 14413      | 2.67     | 1581            | 14112      | 2.56     | 1613            |
|                             | 50°F  | 46°F    | 14863                  | 2.85     | 1528            | 14563      | 2.74     | 1558            | 14262      | 2.63     | 1589            | 13962      | 2.52     | 1621            |
|                             | 55°F  | 50°F    | 14713                  | 2.81     | 1535            | 14413      | 2.70     | 1566            | 14112      | 2.59     | 1597            | 13812      | 2.48     | 1629            |
|                             | 60°F  | 55°F    | 14563                  | 2.75     | 1550            | 14262      | 2.64     | 1581            | 13962      | 2.54     | 1613            | 13662      | 2.43     | 1645            |
|                             | 65°F  | 60°F    | 14262                  | 2.81     | 1490            | 13962      | 2.69     | 1519            | 13662      | 2.58     | 1550            | 13362      | 2.48     | 1581            |
|                             | 70°F  | 64°F    | 14112                  | 2.79     | 1482            | 13812      | 2.68     | 1512            | 13512      | 2.57     | 1542            | 13211      | 2.46     | 1573            |
|                             | 75°F  | 69°F    | 13962                  | 2.78     | 1474            | 13662      | 2.66     | 1504            | 13362      | 2.55     | 1534            | 13061      | 2.45     | 1565            |
| 80°F                        | 74°F  | 12761   | 2.62                   | 1429     | 12461           | 2.51       | 1457     | 12161           | 2.40       | 1487     | 11860           | 2.29       | 1516     |                 |
| 86°F                        | 80°F  | 11260   | 2.36                   | 1398     | 10960           | 2.25       | 1426     | 10659           | 2.15       | 1455     | 10359           | 2.05       | 1484     |                 |

\*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

SC - Total Capacity

SHR - Sensible Heat Ratio

COP - Coefficient of Performance



| COOLING PERFORMANCE              |       |                        |            |      |       |                 |                       |            |      |                |                 |                       |            |      |                |                 |                       |            |      |                |                 |
|----------------------------------|-------|------------------------|------------|------|-------|-----------------|-----------------------|------------|------|----------------|-----------------|-----------------------|------------|------|----------------|-----------------|-----------------------|------------|------|----------------|-----------------|
| 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 (Btu/h)             | SC (Btu/h) | SHR  | EER   | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR  | EER(Btu/(h·W)) | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR  | EER(Btu/(h·W)) | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR  | EER(Btu/(h·W)) | Power Input (W) |
| MAX OUTPUT*                      | -20°F | 8528                   | 6183       | 72%  | 10.15 | 840             | 9137                  | 6625       | 73%  | 10.53          | 868             | 9442                  | 6845       | 73%  | 10.38          | 910             | 10356                 | 7508       | 73%  | 10.57          | 980             |
|                                  | -15°F | 8985                   | 6514       | 72%  | 10.46 | 859             | 9594                  | 6956       | 73%  | 10.61          | 904             | 9899                  | 7177       | 73%  | 10.40          | 952             | 10813                 | 7839       | 73%  | 10.30          | 1050            |
|                                  | -10°F | 9366                   | 6814       | 73%  | 10.67 | 878             | 9975                  | 7257       | 73%  | 10.79          | 924             | 10280                 | 7478       | 73%  | 10.56          | 973             | 11193                 | 8143       | 73%  | 10.43          | 1073            |
|                                  | -5°F  | 9747                   | 7115       | 73%  | 10.86 | 897             | 10356                 | 7560       | 73%  | 10.97          | 944             | 10660                 | 7782       | 73%  | 10.72          | 994             | 11574                 | 8449       | 73%  | 10.56          | 1096            |
|                                  | 0°F   | 9899                   | 7251       | 73%  | 10.81 | 916             | 10508                 | 7697       | 73%  | 10.90          | 964             | 10813                 | 7920       | 73%  | 10.65          | 1015            | 11726                 | 8590       | 73%  | 10.48          | 1119            |
|                                  | 5°F   | 10051                  | 7388       | 74%  | 10.75 | 935             | 10660                 | 7835       | 73%  | 10.83          | 984             | 10965                 | 8059       | 74%  | 10.58          | 1036            | 11879                 | 8731       | 74%  | 10.40          | 1142            |
|                                  | 10°F  | 10280                  | 7581       | 74%  | 10.78 | 954             | 10889                 | 8030       | 74%  | 10.84          | 1004            | 11193                 | 8255       | 74%  | 10.59          | 1057            | 12107                 | 8929       | 74%  | 10.39          | 1165            |
|                                  | 15°F  | 10508                  | 7776       | 74%  | 10.80 | 973             | 11117                 | 8227       | 74%  | 10.86          | 1024            | 11422                 | 8452       | 74%  | 10.60          | 1078            | 12335                 | 9128       | 74%  | 10.38          | 1189            |
|                                  | 20°F  | 10660                  | 7915       | 74%  | 10.75 | 992             | 11269                 | 8368       | 74%  | 10.79          | 1044            | 11574                 | 8594       | 74%  | 10.53          | 1099            | 12488                 | 9272       | 74%  | 10.31          | 1212            |
|                                  | 25°F  | 10813                  | 8055       | 75%  | 10.70 | 1011            | 11422                 | 8509       | 74%  | 10.73          | 1064            | 11726                 | 8736       | 75%  | 10.47          | 1120            | 12640                 | 9417       | 74%  | 10.24          | 1235            |
|                                  | 30°F  | 11193                  | 8367       | 75%  | 10.87 | 1030            | 11802                 | 8822       | 75%  | 10.89          | 1084            | 12107                 | 9050       | 75%  | 10.61          | 1141            | 13021                 | 9733       | 75%  | 10.35          | 1258            |
|                                  | 35°F  | 11574                  | 8681       | 75%  | 11.04 | 1049            | 12183                 | 9137       | 75%  | 11.04          | 1104            | 12488                 | 9366       | 75%  | 10.75          | 1162            | 13402                 | 10051      | 75%  | 10.46          | 1281            |
|                                  | 40°F  | 11802                  | 8881       | 75%  | 11.05 | 1068            | 12412                 | 9340       | 75%  | 11.04          | 1124            | 12716                 | 9569       | 75%  | 10.75          | 1183            | 13630                 | 10257      | 75%  | 10.45          | 1304            |
|                                  | 45°F  | 12031                  | 9083       | 76%  | 11.07 | 1087            | 12640                 | 9543       | 75%  | 11.05          | 1144            | 12945                 | 9773       | 75%  | 10.75          | 1204            | 13858                 | 10463      | 75%  | 10.44          | 1327            |
|                                  | 50°F  | 12412                  | 9402       | 76%  | 11.23 | 1106            | 13021                 | 9863       | 76%  | 11.19          | 1164            | 13325                 | 10094      | 76%  | 10.88          | 1225            | 14239                 | 10786      | 76%  | 10.54          | 1351            |
|                                  | 55°F  | 12792                  | 9722       | 76%  | 11.38 | 1125            | 13402                 | 10185      | 76%  | 11.32          | 1184            | 13706                 | 10417      | 76%  | 11.00          | 1246            | 14620                 | 11111      | 76%  | 10.64          | 1374            |
|                                  | 60°F  | 13173                  | 10044      | 76%  | 11.52 | 1143            | 13782                 | 10509      | 76%  | 11.45          | 1204            | 14087                 | 10741      | 76%  | 11.12          | 1267            | 15001                 | 11438      | 76%  | 10.74          | 1397            |
|                                  | 65°F  | 13554                  | 10369      | 76%  | 11.66 | 1162            | 14163                 | 10835      | 76%  | 11.57          | 1224            | 14468                 | 11068      | 77%  | 11.23          | 1288            | 15381                 | 11767      | 77%  | 10.83          | 1420            |
|                                  | 70°F  | 14163                  | 10870      | 77%  | 11.99 | 1181            | 14772                 | 11338      | 77%  | 11.88          | 1244            | 15077                 | 11571      | 77%  | 11.52          | 1309            | 15990                 | 12273      | 77%  | 11.08          | 1443            |
|                                  | 75°F  | 14772                  | 11375      | 77%  | 12.31 | 1200            | 15381                 | 11844      | 77%  | 12.17          | 1264            | 15686                 | 12078      | 77%  | 11.79          | 1330            | 16600                 | 12782      | 77%  | 11.32          | 1466            |
|                                  | 80°F  | 15001                  | 11588      | 77%  | 12.30 | 1219            | 15610                 | 12059      | 77%  | 12.16          | 1283            | 15914                 | 12294      | 77%  | 11.78          | 1351            | 16828                 | 13000      | 77%  | 11.30          | 1489            |
|                                  | 85°F  | 15229                  | 11802      | 78%  | 12.30 | 1238            | 15838                 | 12275      | 77%  | 12.15          | 1303            | 16143                 | 12511      | 77%  | 11.77          | 1372            | 17056                 | 13219      | 77%  | 11.28          | 1513            |
|                                  | 90°F  | 14772                  | 11485      | 78%  | 11.81 | 1251            | 15381                 | 11959      | 78%  | 11.68          | 1317            | 15686                 | 12196      | 78%  | 11.32          | 1386            | 16600                 | 12906      | 78%  | 10.86          | 1528            |
|                                  | 95°F  | 14315                  | 11166      | 78%  | 11.33 | 1264            | 14924                 | 11641      | 78%  | 11.22          | 1330            | 15229                 | 11879      | 78%  | 10.88          | 1400            | 16143                 | 12591      | 78%  | 10.46          | 1544            |
|                                  | 100°F | 13554                  | 10606      | 78%  | 10.67 | 1270            | 14163                 | 11083      | 78%  | 10.60          | 1337            | 14315                 | 11202      | 78%  | 10.17          | 1407            | 15381                 | 12036      | 78%  | 9.92           | 1551            |
|                                  | 105°F | 12792                  | 10042      | 78%  | 10.02 | 1276            | 13402                 | 10520      | 78%  | 9.98           | 1343            | 13706                 | 10759      | 79%  | 9.69           | 1414            | 14620                 | 11477      | 78%  | 9.38           | 1559            |
|                                  | 110°F | 11650                  | 9175       | 79%  | 9.51  | 1226            | 12259                 | 9654       | 79%  | 9.50           | 1290            | 12564                 | 9894       | 79%  | 9.25           | 1358            | 13478                 | 10614      | 79%  | 9.00           | 1497            |
| 115°F                            | 10508 | 8301                   | 79%        | 8.94 | 1175  | 11117           | 8783                  | 79%        | 8.99 | 1237           | 11422           | 9023                  | 79%        | 8.77 | 1302           | 12335           | 9745                  | 79%        | 8.59 | 1435           |                 |
| 120°F                            | 10280 | 8147                   | 79%        | 8.66 | 1188  | 10889           | 8629                  | 79%        | 8.71 | 1250           | 11193           | 8871                  | 79%        | 8.51 | 1316           | 12107           | 9595                  | 79%        | 8.34 | 1451           |                 |
| 122°F                            | 10051 | 7991                   | 80%        | 8.37 | 1200  | 10660           | 8475                  | 80%        | 8.44 | 1264           | 10965           | 8717                  | 80%        | 8.24 | 1330           | 11879           | 9444                  | 79%        | 8.10 | 1466           |                 |
| 125°F                            |       |                        |            |      |       |                 |                       |            |      |                |                 |                       |            |      |                |                 |                       |            |      |                |                 |
| 129°F                            |       |                        |            |      |       |                 |                       |            |      |                |                 |                       |            |      |                |                 |                       |            |      |                |                 |

\*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts  
DB - Dry Bulb  
TC - Total Capacity  
SC - Total Capacity  
SHR - Sensible Heat Ratio  
COP - Coeffecient of Performance

# EXTENDED RATINGS

# KUL12HPL132IA / KUL12HPL132OA

## HEATING PERFORMANCE

| Outdoor Ambient Temperature |       |         | Return Air Temperature |          |                 |            |          |                 |            |          |                 |            |          |                 |
|-----------------------------|-------|---------|------------------------|----------|-----------------|------------|----------|-----------------|------------|----------|-----------------|------------|----------|-----------------|
|                             |       |         | 70°F (DB)              |          |                 | 75°F (DB)  |          |                 | 80°F (DB)  |          |                 | 90°F (DB)  |          |                 |
|                             |       |         | TC (Btu/h)             | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) |
| MAX OUTPUT*                 | DB    | WB      |                        |          |                 |            |          |                 |            |          |                 |            |          |                 |
|                             | -22°F | -22.5°F | 8632                   | 1.69     | 1495.22         | 8318       | 1.60     | 1525.00         | 8005       | 1.51     | 1556.00         | 7691       | 1.42     | 1587            |
|                             | -20°F | -20.5°F | 8868                   | 1.72     | 1510.47         | 8554       | 1.63     | 1540.68         | 8240       | 1.54     | 1571.50         | 7926       | 1.45     | 1603            |
|                             | -15°F | -16°F   | 9103                   | 1.75     | 1525.73         | 8789       | 1.66     | 1556.00         | 8475       | 1.57     | 1587.00         | 8161       | 1.48     | 1619            |
|                             | -10°F | -11°F   | 9652                   | 1.84     | 1541.30         | 9339       | 1.74     | 1572.12         | 9025       | 1.65     | 1603.57         | 8711       | 1.56     | 1636            |
|                             | -5°F  | -6°F    | 10202                  | 1.92     | 1556.87         | 9888       | 1.82     | 1588.00         | 9574       | 1.73     | 1620.00         | 9260       | 1.64     | 1652            |
|                             | 0°F   | -1°F    | 10673                  | 1.97     | 1588.64         | 10359      | 1.87     | 1620.00         | 10045      | 1.78     | 1653.00         | 9731       | 1.69     | 1686            |
|                             | 5°F   | 3°F     | 11144                  | 2.01     | 1621.06         | 10830      | 1.92     | 1653.00         | 10516      | 1.83     | 1687.00         | 10202      | 1.74     | 1720            |
|                             | 10°F  | 8°F     | 11771                  | 2.09     | 1654.14         | 11457      | 1.99     | 1687.00         | 11144      | 1.90     | 1721.00         | 10830      | 1.81     | 1755            |
|                             | 15°F  | 13°F    | 12164                  | 2.13     | 1671.02         | 12164      | 2.09     | 1704.44         | 11850      | 2.00     | 1738.53         | 11536      | 1.91     | 1773            |
|                             | 17°F  | 15°F    | 12556                  | 2.18     | 1687.90         | 12870      | 2.19     | 1722.00         | 12556      | 2.10     | 1756.00         | 12242      | 2.00     | 1791            |
|                             | 20°F  | 17°F    | 12870                  | 2.19     | 1722.35         | 12556      | 2.09     | 1757.00         | 12242      | 2.00     | 1792.00         | 11928      | 1.91     | 1828            |
|                             | 25°F  | 22°F    | 13341                  | 2.22     | 1757.50         | 13027      | 2.13     | 1793.00         | 12713      | 2.04     | 1829.00         | 12399      | 1.95     | 1865            |
|                             | 30°F  | 27°F    | 13341                  | 2.38     | 1642.88         | 13027      | 2.28     | 1675.74         | 12713      | 2.18     | 1709.25         | 12399      | 2.08     | 1743            |
|                             | 35°F  | 33°F    | 13341                  | 2.56     | 1528.26         | 13027      | 2.45     | 1559.00         | 12713      | 2.34     | 1590.00         | 12399      | 2.24     | 1622            |
|                             | 40°F  | 36°F    | 14910                  | 3.50     | 1247.56         | 14596      | 3.36     | 1273.00         | 14283      | 3.23     | 1298.00         | 13969      | 3.09     | 1324            |
|                             | 45°F  | 41°F    | 15381                  | 3.54     | 1273.02         | 15067      | 3.40     | 1298.00         | 14753      | 3.27     | 1324.00         | 14439      | 3.13     | 1351            |
|                             | 47°F  | 43°F    | 15695                  | 3.54     | 1299.00         | 15381      | 3.40     | 1325.00         | 15067      | 3.27     | 1351.00         | 14753      | 3.14     | 1379            |
|                             | 50°F  | 46°F    | 15538                  | 3.49     | 1305.50         | 15224      | 3.35     | 1331.60         | 14910      | 3.22     | 1358.24         | 14596      | 3.09     | 1385            |
|                             | 55°F  | 50°F    | 15381                  | 3.44     | 1311.99         | 15067      | 3.30     | 1338.00         | 14753      | 3.17     | 1365.00         | 14439      | 3.04     | 1392            |
|                             | 60°F  | 55°F    | 15224                  | 3.37     | 1324.98         | 14910      | 3.23     | 1351.00         | 14596      | 3.10     | 1379.00         | 14283      | 2.98     | 1406            |
|                             | 65°F  | 60°F    | 14910                  | 3.43     | 1273.02         | 14596      | 3.30     | 1298.00         | 14283      | 3.16     | 1324.00         | 13969      | 3.03     | 1351            |
|                             | 70°F  | 64°F    | 14753                  | 3.41     | 1266.53         | 14439      | 3.28     | 1291.86         | 14126      | 3.14     | 1317.69         | 13812      | 3.01     | 1344            |
|                             | 75°F  | 69°F    | 14596                  | 3.40     | 1260.03         | 14283      | 3.26     | 1285.00         | 13969      | 3.12     | 1311.00         | 13655      | 2.99     | 1337            |
|                             | 80°F  | 74°F    | 13341                  | 3.20     | 1221.06         | 13027      | 3.07     | 1245.00         | 12713      | 2.93     | 1270.00         | 12399      | 2.80     | 1296            |
|                             | 86°F  | 80°F    | 11771                  | 2.89     | 1195.08         | 11457      | 2.75     | 1219.00         | 11144      | 2.63     | 1243.00         | 10830      | 2.50     | 1268            |

\*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

SC - Total Capacity

SHR - Sensible Heat Ratio

COP - Coefficient of Performance



| COOLING PERFORMANCE              |       |                        |            |       |       |                 |                       |            |       |                |                 |                       |            |      |                |                 |                       |            |      |                |                 |
|----------------------------------|-------|------------------------|------------|-------|-------|-----------------|-----------------------|------------|-------|----------------|-----------------|-----------------------|------------|------|----------------|-----------------|-----------------------|------------|------|----------------|-----------------|
| 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 (Btu/h)             | SC (Btu/h) | SHR   | EER   | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR   | EER(Btu/(h·W)) | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR  | EER(Btu/(h·W)) | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR  | EER(Btu/(h·W)) | Power Input (W) |
| MAX OUTPUT*                      | -20°F | 7261                   | 5264       | 73%   | 11.10 | 654             | 7780                  | 5640       | 73%   | 11.51          | 676             | 8039                  | 5828       | 73%  | 11.35          | 709             | 8817                  | 6392       | 73%  | 11.56          | 763             |
|                                  | -15°F | 7650                   | 5546       | 73%   | 11.44 | 669             | 8169                  | 5922       | 72%   | 11.60          | 704             | 8428                  | 6110       | 73%  | 11.37          | 741             | 9206                  | 6674       | 73%  | 11.27          | 817             |
|                                  | -10°F | 7974                   | 5801       | 73%   | 11.66 | 684             | 8493                  | 6178       | 73%   | 11.80          | 720             | 8752                  | 6367       | 73%  | 11.55          | 758             | 9530                  | 6933       | 73%  | 11.41          | 835             |
|                                  | -5°F  | 8298                   | 6058       | 73%   | 11.88 | 698             | 8817                  | 6436       | 73%   | 11.99          | 735             | 9076                  | 6626       | 73%  | 11.73          | 774             | 9854                  | 7194       | 73%  | 11.55          | 853             |
|                                  | 0°F   | 8428                   | 6173       | 73%   | 11.82 | 713             | 8947                  | 6553       | 73%   | 11.92          | 751             | 9206                  | 6743       | 73%  | 11.65          | 790             | 9984                  | 7313       | 73%  | 11.46          | 871             |
|                                  | 5°F   | 8558                   | 6290       | 74%   | 11.76 | 728             | 9076                  | 6671       | 74%   | 11.84          | 766             | 9336                  | 6862       | 74%  | 11.57          | 807             | 10113                 | 7433       | 74%  | 11.37          | 889             |
|                                  | 10°F  | 8752                   | 6455       | 74%   | 11.78 | 743             | 9271                  | 6837       | 74%   | 11.86          | 782             | 9530                  | 7028       | 74%  | 11.58          | 823             | 10308                 | 7602       | 74%  | 11.36          | 907             |
|                                  | 15°F  | 8947                   | 6620       | 74%   | 11.81 | 757             | 9465                  | 7004       | 74%   | 11.87          | 797             | 9725                  | 7196       | 74%  | 11.59          | 839             | 10502                 | 7772       | 74%  | 11.35          | 925             |
|                                  | 20°F  | 9076                   | 6739       | 74%   | 11.75 | 772             | 9595                  | 7124       | 74%   | 11.80          | 813             | 9854                  | 7317       | 74%  | 11.52          | 856             | 10632                 | 7894       | 74%  | 11.27          | 943             |
|                                  | 25°F  | 9206                   | 6858       | 75%   | 11.70 | 787             | 9725                  | 7245       | 74%   | 11.74          | 828             | 9984                  | 7438       | 75%  | 11.45          | 872             | 10762                 | 8018       | 75%  | 11.19          | 961             |
|                                  | 30°F  | 9530                   | 7124       | 75%   | 11.89 | 802             | 10049                 | 7511       | 75%   | 11.91          | 844             | 10308                 | 7705       | 75%  | 11.60          | 888             | 11086                 | 8287       | 75%  | 11.32          | 979             |
|                                  | 35°F  | 9854                   | 7391       | 75%   | 12.07 | 816             | 10373                 | 7780       | 75%   | 12.07          | 859             | 10632                 | 7974       | 75%  | 11.75          | 905             | 11410                 | 8558       | 75%  | 11.44          | 997             |
|                                  | 40°F  | 10049                  | 7562       | 75%   | 12.09 | 831             | 10567                 | 7952       | 75%   | 12.08          | 875             | 10827                 | 8147       | 75%  | 11.75          | 921             | 11605                 | 8732       | 75%  | 11.43          | 1015            |
|                                  | 45°F  | 10243                  | 7734       | 75%   | 12.11 | 846             | 10762                 | 8125       | 75%   | 12.08          | 891             | 11021                 | 8321       | 75%  | 11.76          | 937             | 11799                 | 8908       | 76%  | 11.42          | 1033            |
|                                  | 50°F  | 10567                  | 8005       | 76%   | 12.28 | 861             | 11086                 | 8398       | 76%   | 12.24          | 906             | 11345                 | 8594       | 76%  | 11.90          | 954             | 12123                 | 9183       | 76%  | 11.53          | 1052            |
|                                  | 55°F  | 10891                  | 8277       | 76%   | 12.44 | 876             | 11410                 | 8672       | 76%   | 12.38          | 922             | 11669                 | 8869       | 76%  | 12.03          | 970             | 12447                 | 9460       | 76%  | 11.64          | 1070            |
|                                  | 60°F  | 11216                  | 8552       | 76%   | 12.60 | 890             | 11734                 | 8947       | 76%   | 12.52          | 937             | 11994                 | 9145       | 76%  | 12.16          | 986             | 12772                 | 9738       | 76%  | 11.74          | 1088            |
|                                  | 65°F  | 11540                  | 8828       | 76%   | 12.75 | 905             | 12058                 | 9225       | 76%   | 12.66          | 953             | 12318                 | 9423       | 76%  | 12.28          | 1003            | 13096                 | 10018      | 77%  | 11.84          | 1106            |
|                                  | 70°F  | 12058                  | 9255       | 77%   | 13.11 | 920             | 12577                 | 9653       | 77%   | 12.99          | 968             | 12836                 | 9852       | 77%  | 12.60          | 1019            | 13614                 | 10449      | 77%  | 12.12          | 1124            |
|                                  | 75°F  | 12577                  | 9684       | 77%   | 13.46 | 935             | 13096                 | 10084      | 77%   | 13.31          | 984             | 13355                 | 10283      | 77%  | 12.90          | 1036            | 14133                 | 10882      | 77%  | 12.38          | 1142            |
|                                  | 80°F  | 12772                  | 9866       | 77%   | 13.45 | 949             | 13290                 | 10267      | 77%   | 13.30          | 999             | 13549                 | 10467      | 77%  | 12.88          | 1052            | 14327                 | 11068      | 77%  | 12.35          | 1160            |
|                                  | 85°F  | 12966                  | 10049      | 78%   | 13.45 | 964             | 13485                 | 10451      | 78%   | 13.29          | 1015            | 13744                 | 10652      | 78%  | 12.87          | 1068            | 14522                 | 11254      | 78%  | 12.33          | 1178            |
|                                  | 90°F  | 12577                  | 9779       | 78%   | 12.91 | 974             | 13096                 | 10182      | 78%   | 12.77          | 1025            | 13355                 | 10384      | 78%  | 12.38          | 1079            | 14133                 | 10988      | 78%  | 11.88          | 1190            |
|                                  | 95°F  | 12188                  | 9507       | 78%   | 12.39 | 984             | 12707                 | 9911       | 78%   | 12.27          | 1036            | 12966                 | 10113      | 78%  | 11.90          | 1090            | 13744                 | 10720      | 78%  | 11.44          | 1202            |
|                                  | 100°F | 11864                  | 9283       | 78%   | 11.77 | 1008            | 12383                 | 9689       | 78%   | 11.67          | 1061            | 12642                 | 9892       | 78%  | 11.32          | 1117            | 13420                 | 10501      | 78%  | 10.89          | 1232            |
|                                  | 105°F | 11540                  | 9059       | 79%   | 11.17 | 1033            | 12058                 | 9466       | 79%   | 11.09          | 1087            | 12318                 | 9669       | 78%  | 10.76          | 1145            | 13096                 | 10280      | 79%  | 10.38          | 1262            |
|                                  | 110°F | 11345                  | 8934       | 79%   | 10.73 | 1058            | 11864                 | 9343       | 79%   | 10.66          | 1113            | 12123                 | 9547       | 79%  | 10.35          | 1172            | 12901                 | 10160      | 79%  | 9.99           | 1292            |
| 115°F                            | 11151 | 8809                   | 79%        | 10.30 | 1082  | 11669           | 9219                  | 79%        | 10.24 | 1139           | 11929           | 9424                  | 79%        | 9.95 | 1199           | 12707           | 10038                 | 79%        | 9.61 | 1322           |                 |
| 120°F                            | 10697 | 8477                   | 79%        | 9.85  | 1086  | 11216           | 8888                  | 79%        | 9.63  | 1165           | 11475           | 9094                  | 79%        | 9.36 | 1226           | 12253           | 9710                  | 79%        | 9.06 | 1352           |                 |
| 122°F                            | 10243 | 8143                   | 80%        | 9.40  | 1090  | 10762           | 8556                  | 80%        | 9.04  | 1191           | 11021           | 8762                  | 79%        | 8.79 | 1254           | 11799           | 9380                  | 80%        | 8.54 | 1382           |                 |
| 125°F                            |       |                        |            |       |       |                 |                       |            |       |                |                 |                       |            |      |                |                 |                       |            |      |                |                 |
| 129°F                            |       |                        |            |       |       |                 |                       |            |       |                |                 |                       |            |      |                |                 |                       |            |      |                |                 |

\*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts  
DB - Dry Bulb  
TC - Total Capacity  
SC - Total Capacity  
SHR - Sensible Heat Ratio  
COP - Coeffecient of Performance

# EXTENDED RATINGS

# KUL09HPJ132IA / KUL09HPJ132OA

## HEATING PERFORMANCE

| Outdoor Ambient Temperature |       |         | Return Air Temperature |          |                 |            |          |                 |            |          |                 |            |          |                 |
|-----------------------------|-------|---------|------------------------|----------|-----------------|------------|----------|-----------------|------------|----------|-----------------|------------|----------|-----------------|
|                             |       |         | 70°F (DB)              |          |                 | 75°F (DB)  |          |                 | 80°F (DB)  |          |                 | 90°F (DB)  |          |                 |
|                             |       |         | TC (Btu/h)             | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) |
| MAX OUTPUT*                 | DB    | WB      |                        |          |                 |            |          |                 |            |          |                 |            |          |                 |
|                             | -22°F | -22.5°F | 7257                   | 1.78     | 1193            | 6957       | 1.68     | 1217            | 6657       | 1.57     | 1241            | 6356       | 1.47     | 1266            |
|                             | -20°F | -20.5°F | 7482                   | 1.82     | 1205            | 7182       | 1.71     | 1229            | 6882       | 1.61     | 1254            | 6582       | 1.51     | 1279            |
|                             | -15°F | -16°F   | 7708                   | 1.86     | 1217            | 7407       | 1.75     | 1241            | 7107       | 1.64     | 1266            | 6807       | 1.54     | 1292            |
|                             | -10°F | -11°F   | 8233                   | 1.96     | 1230            | 7933       | 1.85     | 1254            | 7632       | 1.75     | 1279            | 7332       | 1.65     | 1305            |
|                             | -5°F  | -6°F    | 8759                   | 2.07     | 1242            | 8458       | 1.96     | 1267            | 8158       | 1.85     | 1292            | 7858       | 1.97     | 1318            |
|                             | 0°F   | -1°F    | 9209                   | 2.13     | 1267            | 8909       | 2.02     | 1293            | 8608       | 1.91     | 1318            | 8308       | 2.03     | 1345            |
|                             | 5°F   | 3°F     | 9659                   | 2.19     | 1293            | 9359       | 2.08     | 1319            | 9059       | 1.97     | 1345            | 8759       | 2.08     | 1372            |
|                             | 10°F  | 8°F     | 11260                  | 2.50     | 1320            | 10960      | 2.39     | 1346            | 10659      | 2.28     | 1373            | 10359      | 2.17     | 1400            |
|                             | 15°F  | 13°F    | 11485                  | 2.53     | 1333            | 11485      | 2.48     | 1360            | 11185      | 2.36     | 1387            | 10884      | 2.26     | 1415            |
|                             | 17°F  | 15°F    | 11710                  | 2.55     | 1346            | 12010      | 2.56     | 1373            | 11710      | 2.45     | 1401            | 11410      | 2.34     | 1429            |
|                             | 20°F  | 17°F    | 12311                  | 2.63     | 1374            | 12010      | 2.51     | 1401            | 11710      | 2.40     | 1429            | 11410      | 2.29     | 1458            |
|                             | 25°F  | 22°F    | 12761                  | 2.67     | 1402            | 12461      | 2.55     | 1430            | 12161      | 2.44     | 1459            | 11860      | 2.34     | 1488            |
|                             | 30°F  | 27°F    | 12986                  | 2.69     | 1416            | 12686      | 2.57     | 1445            | 12386      | 2.46     | 1474            | 12086      | 2.36     | 1503            |
|                             | 35°F  | 33°F    | 13211                  | 2.71     | 1431            | 12911      | 2.59     | 1459            | 12611      | 2.48     | 1488            | 12311      | 2.38     | 1518            |
|                             | 40°F  | 36°F    | 14262                  | 2.86     | 1460            | 13962      | 2.75     | 1489            | 13662      | 2.64     | 1519            | 13362      | 2.53     | 1549            |
|                             | 45°F  | 41°F    | 14713                  | 2.89     | 1490            | 14413      | 2.78     | 1519            | 14112      | 2.67     | 1550            | 13812      | 2.56     | 1581            |
|                             | 47°F  | 43°F    | 15013                  | 2.89     | 1520            | 14713      | 2.78     | 1550            | 14413      | 2.67     | 1581            | 14112      | 2.56     | 1613            |
|                             | 50°F  | 46°F    | 14863                  | 2.85     | 1528            | 14563      | 2.74     | 1558            | 14262      | 2.63     | 1589            | 13962      | 2.52     | 1621            |
|                             | 55°F  | 50°F    | 14713                  | 2.81     | 1535            | 14413      | 2.70     | 1566            | 14112      | 2.59     | 1597            | 13812      | 2.48     | 1629            |
|                             | 60°F  | 55°F    | 14563                  | 2.75     | 1550            | 14262      | 2.64     | 1581            | 13962      | 2.54     | 1613            | 13662      | 2.43     | 1645            |
|                             | 65°F  | 60°F    | 14262                  | 2.81     | 1490            | 13962      | 2.69     | 1519            | 13662      | 2.58     | 1550            | 13362      | 2.48     | 1581            |
|                             | 70°F  | 64°F    | 14112                  | 2.79     | 1482            | 13812      | 2.68     | 1512            | 13512      | 2.57     | 1542            | 13211      | 2.46     | 1573            |
|                             | 75°F  | 69°F    | 13962                  | 2.78     | 1474            | 13662      | 2.66     | 1504            | 13362      | 2.55     | 1534            | 13061      | 2.45     | 1565            |
| 80°F                        | 74°F  | 12761   | 2.62                   | 1429     | 12461           | 2.51       | 1457     | 12161           | 2.40       | 1487     | 11860           | 2.29       | 1516     |                 |
| 86°F                        | 80°F  | 11260   | 2.36                   | 1398     | 10960           | 2.25       | 1426     | 10659           | 2.15       | 1455     | 10359           | 2.05       | 1484     |                 |

\*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

SC - Total Capacity

SHR - Sensible Heat Ratio

COP - Coefficient of Performance



| COOLING PERFORMANCE              |       |                        |            |      |       |                 |                       |            |      |                |                 |                       |            |      |                |                 |                       |            |      |                |                 |
|----------------------------------|-------|------------------------|------------|------|-------|-----------------|-----------------------|------------|------|----------------|-----------------|-----------------------|------------|------|----------------|-----------------|-----------------------|------------|------|----------------|-----------------|
| 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 (Btu/h)             | SC (Btu/h) | SHR  | EER   | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR  | EER(Btu/(h·W)) | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR  | EER(Btu/(h·W)) | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR  | EER(Btu/(h·W)) | Power Input (W) |
| MAX OUTPUT*                      | -20°F | 8528                   | 6183       | 72%  | 10.15 | 840             | 9137                  | 6625       | 73%  | 10.53          | 868             | 9442                  | 6845       | 73%  | 10.38          | 910             | 10356                 | 7508       | 73%  | 10.57          | 980             |
|                                  | -15°F | 8985                   | 6514       | 72%  | 10.46 | 859             | 9594                  | 6956       | 73%  | 10.61          | 904             | 9899                  | 7177       | 73%  | 10.40          | 952             | 10813                 | 7839       | 73%  | 10.30          | 1050            |
|                                  | -10°F | 9366                   | 6814       | 73%  | 10.67 | 878             | 9975                  | 7257       | 73%  | 10.79          | 924             | 10280                 | 7478       | 73%  | 10.56          | 973             | 11193                 | 8143       | 73%  | 10.43          | 1073            |
|                                  | -5°F  | 9747                   | 7115       | 73%  | 10.86 | 897             | 10356                 | 7560       | 73%  | 10.97          | 944             | 10660                 | 7782       | 73%  | 10.72          | 994             | 11574                 | 8449       | 73%  | 10.56          | 1096            |
|                                  | 0°F   | 9899                   | 7251       | 73%  | 10.81 | 916             | 10508                 | 7697       | 73%  | 10.90          | 964             | 10813                 | 7920       | 73%  | 10.65          | 1015            | 11726                 | 8590       | 73%  | 10.48          | 1119            |
|                                  | 5°F   | 10051                  | 7388       | 74%  | 10.75 | 935             | 10660                 | 7835       | 73%  | 10.83          | 984             | 10965                 | 8059       | 74%  | 10.58          | 1036            | 11879                 | 8731       | 74%  | 10.40          | 1142            |
|                                  | 10°F  | 10280                  | 7581       | 74%  | 10.78 | 954             | 10889                 | 8030       | 74%  | 10.84          | 1004            | 11193                 | 8255       | 74%  | 10.59          | 1057            | 12107                 | 8929       | 74%  | 10.39          | 1165            |
|                                  | 15°F  | 10508                  | 7776       | 74%  | 10.80 | 973             | 11117                 | 8227       | 74%  | 10.86          | 1024            | 11422                 | 8452       | 74%  | 10.60          | 1078            | 12335                 | 9128       | 74%  | 10.38          | 1189            |
|                                  | 20°F  | 10660                  | 7915       | 74%  | 10.75 | 992             | 11269                 | 8368       | 74%  | 10.79          | 1044            | 11574                 | 8594       | 74%  | 10.53          | 1099            | 12488                 | 9272       | 74%  | 10.31          | 1212            |
|                                  | 25°F  | 10813                  | 8055       | 75%  | 10.70 | 1011            | 11422                 | 8509       | 74%  | 10.73          | 1064            | 11726                 | 8736       | 75%  | 10.47          | 1120            | 12640                 | 9417       | 74%  | 10.24          | 1235            |
|                                  | 30°F  | 11193                  | 8367       | 75%  | 10.87 | 1030            | 11802                 | 8822       | 75%  | 10.89          | 1084            | 12107                 | 9050       | 75%  | 10.61          | 1141            | 13021                 | 9733       | 75%  | 10.35          | 1258            |
|                                  | 35°F  | 11574                  | 8681       | 75%  | 11.04 | 1049            | 12183                 | 9137       | 75%  | 11.04          | 1104            | 12488                 | 9366       | 75%  | 10.75          | 1162            | 13402                 | 10051      | 75%  | 10.46          | 1281            |
|                                  | 40°F  | 11802                  | 8881       | 75%  | 11.05 | 1068            | 12412                 | 9340       | 75%  | 11.04          | 1124            | 12716                 | 9569       | 75%  | 10.75          | 1183            | 13630                 | 10257      | 75%  | 10.45          | 1304            |
|                                  | 45°F  | 12031                  | 9083       | 76%  | 11.07 | 1087            | 12640                 | 9543       | 75%  | 11.05          | 1144            | 12945                 | 9773       | 75%  | 10.75          | 1204            | 13858                 | 10463      | 75%  | 10.44          | 1327            |
|                                  | 50°F  | 12412                  | 9402       | 76%  | 11.23 | 1106            | 13021                 | 9863       | 76%  | 11.19          | 1164            | 13325                 | 10094      | 76%  | 10.88          | 1225            | 14239                 | 10786      | 76%  | 10.54          | 1351            |
|                                  | 55°F  | 12792                  | 9722       | 76%  | 11.38 | 1125            | 13402                 | 10185      | 76%  | 11.32          | 1184            | 13706                 | 10417      | 76%  | 11.00          | 1246            | 14620                 | 11111      | 76%  | 10.64          | 1374            |
|                                  | 60°F  | 13173                  | 10044      | 76%  | 11.52 | 1143            | 13782                 | 10509      | 76%  | 11.45          | 1204            | 14087                 | 10741      | 76%  | 11.12          | 1267            | 15001                 | 11438      | 76%  | 10.74          | 1397            |
|                                  | 65°F  | 13554                  | 10369      | 76%  | 11.66 | 1162            | 14163                 | 10835      | 76%  | 11.57          | 1224            | 14468                 | 11068      | 77%  | 11.23          | 1288            | 15381                 | 11767      | 77%  | 10.83          | 1420            |
|                                  | 70°F  | 14163                  | 10870      | 77%  | 11.99 | 1181            | 14772                 | 11338      | 77%  | 11.88          | 1244            | 15077                 | 11571      | 77%  | 11.52          | 1309            | 15990                 | 12273      | 77%  | 11.08          | 1443            |
|                                  | 75°F  | 14772                  | 11375      | 77%  | 12.31 | 1200            | 15381                 | 11844      | 77%  | 12.17          | 1264            | 15686                 | 12078      | 77%  | 11.79          | 1330            | 16600                 | 12782      | 77%  | 11.32          | 1466            |
|                                  | 80°F  | 15001                  | 11588      | 77%  | 12.30 | 1219            | 15610                 | 12059      | 77%  | 12.16          | 1283            | 15914                 | 12294      | 77%  | 11.78          | 1351            | 16828                 | 13000      | 77%  | 11.30          | 1489            |
|                                  | 85°F  | 15229                  | 11802      | 78%  | 12.30 | 1238            | 15838                 | 12275      | 77%  | 12.15          | 1303            | 16143                 | 12511      | 77%  | 11.77          | 1372            | 17056                 | 13219      | 77%  | 11.28          | 1513            |
|                                  | 90°F  | 14772                  | 11485      | 78%  | 11.81 | 1251            | 15381                 | 11959      | 78%  | 11.68          | 1317            | 15686                 | 12196      | 78%  | 11.32          | 1386            | 16600                 | 12906      | 78%  | 10.86          | 1528            |
|                                  | 95°F  | 14315                  | 11166      | 78%  | 11.33 | 1264            | 14924                 | 11641      | 78%  | 11.22          | 1330            | 15229                 | 11879      | 78%  | 10.88          | 1400            | 16143                 | 12591      | 78%  | 10.46          | 1544            |
|                                  | 100°F | 13554                  | 10606      | 78%  | 10.67 | 1270            | 14163                 | 11083      | 78%  | 10.60          | 1337            | 14315                 | 11202      | 78%  | 10.17          | 1407            | 15381                 | 12036      | 78%  | 9.92           | 1551            |
|                                  | 105°F | 12792                  | 10042      | 78%  | 10.02 | 1276            | 13402                 | 10520      | 78%  | 9.98           | 1343            | 13706                 | 10759      | 79%  | 9.69           | 1414            | 14620                 | 11477      | 78%  | 9.38           | 1559            |
| 110°F                            | 11650 | 9175                   | 79%        | 9.51 | 1226  | 12259           | 9654                  | 79%        | 9.50 | 1290           | 12564           | 9894                  | 79%        | 9.25 | 1358           | 13478           | 10614                 | 79%        | 9.00 | 1497           |                 |
| 115°F                            | 10508 | 8301                   | 79%        | 8.94 | 1175  | 11117           | 8783                  | 79%        | 8.99 | 1237           | 11422           | 9023                  | 79%        | 8.77 | 1302           | 12335           | 9745                  | 79%        | 8.59 | 1435           |                 |
| 120°F                            | 10280 | 8147                   | 79%        | 8.66 | 1188  | 10889           | 8629                  | 79%        | 8.71 | 1250           | 11193           | 8871                  | 79%        | 8.51 | 1316           | 12107           | 9595                  | 79%        | 8.34 | 1451           |                 |
| 122°F                            | 10051 | 7991                   | 80%        | 8.37 | 1200  | 10660           | 8475                  | 80%        | 8.44 | 1264           | 10965           | 8717                  | 80%        | 8.24 | 1330           | 11879           | 9444                  | 79%        | 8.10 | 1466           |                 |
| 125°F                            |       |                        |            |      |       |                 |                       |            |      |                |                 |                       |            |      |                |                 |                       |            |      |                |                 |
| 129°F                            |       |                        |            |      |       |                 |                       |            |      |                |                 |                       |            |      |                |                 |                       |            |      |                |                 |

\*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts  
DB - Dry Bulb  
TC - Total Capacity  
SC - Total Capacity  
SHR - Sensible Heat Ratio  
COP - Coeffecient of Performance

# EXTENDED RATINGS

# KUL12HPJ132IA / KUL12HPJ132OA

## HEATING PERFORMANCE

| Outdoor Ambient Temperature |       |         | Return Air Temperature |          |                 |            |          |                 |            |          |                 |            |          |                 |
|-----------------------------|-------|---------|------------------------|----------|-----------------|------------|----------|-----------------|------------|----------|-----------------|------------|----------|-----------------|
|                             |       |         | 70°F (DB)              |          |                 | 75°F (DB)  |          |                 | 80°F (DB)  |          |                 | 90°F (DB)  |          |                 |
|                             |       |         | TC (Btu/h)             | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) |
| MAX OUTPUT*                 | DB    | WB      |                        |          |                 |            |          |                 |            |          |                 |            |          |                 |
|                             | -22°F | -22.5°F | 8632                   | 1.69     | 1495.22         | 8318       | 1.60     | 1525.00         | 8005       | 1.51     | 1556.00         | 7691       | 1.42     | 1587            |
|                             | -20°F | -20.5°F | 8868                   | 1.72     | 1510.47         | 8554       | 1.63     | 1540.68         | 8240       | 1.54     | 1571.50         | 7926       | 1.45     | 1603            |
|                             | -15°F | -16°F   | 9103                   | 1.75     | 1525.73         | 8789       | 1.66     | 1556.00         | 8475       | 1.57     | 1587.00         | 8161       | 1.48     | 1619            |
|                             | -10°F | -11°F   | 9652                   | 1.84     | 1541.30         | 9339       | 1.74     | 1572.12         | 9025       | 1.65     | 1603.57         | 8711       | 1.56     | 1636            |
|                             | -5°F  | -6°F    | 10202                  | 1.92     | 1556.87         | 9888       | 1.82     | 1588.00         | 9574       | 1.73     | 1620.00         | 9260       | 1.64     | 1652            |
|                             | 0°F   | -1°F    | 10673                  | 1.97     | 1588.64         | 10359      | 1.87     | 1620.00         | 10045      | 1.78     | 1653.00         | 9731       | 1.69     | 1686            |
|                             | 5°F   | 3°F     | 11144                  | 2.01     | 1621.06         | 10830      | 1.92     | 1653.00         | 10516      | 1.83     | 1687.00         | 10202      | 1.74     | 1720            |
|                             | 10°F  | 8°F     | 11771                  | 2.09     | 1654.14         | 11457      | 1.99     | 1687.00         | 11144      | 1.90     | 1721.00         | 10830      | 1.81     | 1755            |
|                             | 15°F  | 13°F    | 12164                  | 2.13     | 1671.02         | 12164      | 2.09     | 1704.44         | 11850      | 2.00     | 1738.53         | 11536      | 1.91     | 1773            |
|                             | 17°F  | 15°F    | 12556                  | 2.18     | 1687.90         | 12870      | 2.19     | 1722.00         | 12556      | 2.10     | 1756.00         | 12242      | 2.00     | 1791            |
|                             | 20°F  | 17°F    | 12870                  | 2.19     | 1722.35         | 12556      | 2.09     | 1757.00         | 12242      | 2.00     | 1792.00         | 11928      | 1.91     | 1828            |
|                             | 25°F  | 22°F    | 13341                  | 2.22     | 1757.50         | 13027      | 2.13     | 1793.00         | 12713      | 2.04     | 1829.00         | 12399      | 1.95     | 1865            |
|                             | 30°F  | 27°F    | 13341                  | 2.38     | 1642.88         | 13027      | 2.28     | 1675.74         | 12713      | 2.18     | 1709.25         | 12399      | 2.08     | 1743            |
|                             | 35°F  | 33°F    | 13341                  | 2.56     | 1528.26         | 13027      | 2.45     | 1559.00         | 12713      | 2.34     | 1590.00         | 12399      | 2.24     | 1622            |
|                             | 40°F  | 36°F    | 14910                  | 3.50     | 1247.56         | 14596      | 3.36     | 1273.00         | 14283      | 3.23     | 1298.00         | 13969      | 3.09     | 1324            |
|                             | 45°F  | 41°F    | 15381                  | 3.54     | 1273.02         | 15067      | 3.40     | 1298.00         | 14753      | 3.27     | 1324.00         | 14439      | 3.13     | 1351            |
|                             | 47°F  | 43°F    | 15695                  | 3.54     | 1299.00         | 15381      | 3.40     | 1325.00         | 15067      | 3.27     | 1351.00         | 14753      | 3.14     | 1379            |
|                             | 50°F  | 46°F    | 15538                  | 3.49     | 1305.50         | 15224      | 3.35     | 1331.60         | 14910      | 3.22     | 1358.24         | 14596      | 3.09     | 1385            |
|                             | 55°F  | 50°F    | 15381                  | 3.44     | 1311.99         | 15067      | 3.30     | 1338.00         | 14753      | 3.17     | 1365.00         | 14439      | 3.04     | 1392            |
|                             | 60°F  | 55°F    | 15224                  | 3.37     | 1324.98         | 14910      | 3.23     | 1351.00         | 14596      | 3.10     | 1379.00         | 14283      | 2.98     | 1406            |
|                             | 65°F  | 60°F    | 14910                  | 3.43     | 1273.02         | 14596      | 3.30     | 1298.00         | 14283      | 3.16     | 1324.00         | 13969      | 3.03     | 1351            |
|                             | 70°F  | 64°F    | 14753                  | 3.41     | 1266.53         | 14439      | 3.28     | 1291.86         | 14126      | 3.14     | 1317.69         | 13812      | 3.01     | 1344            |
|                             | 75°F  | 69°F    | 14596                  | 3.40     | 1260.03         | 14283      | 3.26     | 1285.00         | 13969      | 3.12     | 1311.00         | 13655      | 2.99     | 1337            |
|                             | 80°F  | 74°F    | 13341                  | 3.20     | 1221.06         | 13027      | 3.07     | 1245.00         | 12713      | 2.93     | 1270.00         | 12399      | 2.80     | 1296            |
| 86°F                        | 80°F  | 11771   | 2.89                   | 1195.08  | 11457           | 2.75       | 1219.00  | 11144           | 2.63       | 1243.00  | 10830           | 2.50       | 1268     |                 |

\*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

SC - Total Capacity

SHR - Sensible Heat Ratio

COP - Coefficient of Performance



| COOLING PERFORMANCE              |       |                        |            |       |       |                 |                       |            |       |                |                 |                       |            |       |                |                 |                       |            |      |                |                 |
|----------------------------------|-------|------------------------|------------|-------|-------|-----------------|-----------------------|------------|-------|----------------|-----------------|-----------------------|------------|-------|----------------|-----------------|-----------------------|------------|------|----------------|-----------------|
| 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 (Btu/h)             | SC (Btu/h) | SHR   | EER   | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR   | EER(Btu/(h·W)) | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR   | EER(Btu/(h·W)) | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR  | EER(Btu/(h·W)) | Power Input (W) |
| MAX OUTPUT*                      | -20°F | 15073                  | 10928      | 73%   | 10.81 | 1394            | 16150                 | 11708      | 73%   | 11.21          | 1440            | 16688                 | 12099      | 73%   | 11.05          | 1510            | 18303                 | 13270      | 73%  | 11.26          | 1626            |
|                                  | -15°F | 15880                  | 11513      | 73%   | 11.14 | 1426            | 16957                 | 12294      | 73%   | 11.30          | 1501            | 17495                 | 12684      | 73%   | 11.08          | 1580            | 19110                 | 13855      | 73%  | 10.97          | 1742            |
|                                  | -10°F | 16553                  | 12001      | 73%   | 11.36 | 1457            | 17630                 | 12782      | 73%   | 11.49          | 1534            | 18168                 | 13172      | 73%   | 11.25          | 1614            | 19783                 | 14343      | 73%  | 11.11          | 1780            |
|                                  | -5°F  | 17226                  | 12489      | 73%   | 11.57 | 1489            | 18303                 | 13270      | 73%   | 11.68          | 1567            | 18841                 | 13660      | 73%   | 11.42          | 1649            | 20456                 | 14831      | 73%  | 11.25          | 1818            |
|                                  | 0°F   | 17495                  | 12684      | 73%   | 11.51 | 1520            | 18572                 | 13465      | 73%   | 11.61          | 1600            | 19110                 | 13855      | 73%   | 11.35          | 1684            | 20725                 | 15026      | 73%  | 11.16          | 1857            |
|                                  | 5°F   | 17765                  | 12879      | 73%   | 11.45 | 1551            | 18841                 | 13660      | 73%   | 11.54          | 1633            | 19380                 | 14050      | 73%   | 11.27          | 1719            | 20994                 | 15221      | 73%  | 11.08          | 1895            |
|                                  | 10°F  | 18168                  | 13172      | 73%   | 11.48 | 1583            | 19245                 | 13953      | 73%   | 11.55          | 1666            | 19783                 | 14343      | 73%   | 11.28          | 1754            | 21398                 | 15514      | 73%  | 11.07          | 1934            |
|                                  | 15°F  | 18572                  | 13465      | 73%   | 11.50 | 1614            | 19649                 | 14245      | 73%   | 11.56          | 1699            | 20187                 | 14636      | 73%   | 11.29          | 1789            | 21802                 | 15806      | 73%  | 11.06          | 1972            |
|                                  | 20°F  | 18841                  | 13660      | 73%   | 11.45 | 1646            | 19918                 | 14440      | 73%   | 11.50          | 1732            | 20456                 | 14831      | 73%   | 11.22          | 1824            | 22071                 | 16002      | 73%  | 10.98          | 2010            |
|                                  | 25°F  | 19110                  | 13855      | 73%   | 11.39 | 1677            | 20187                 | 14636      | 73%   | 11.43          | 1765            | 20725                 | 15026      | 73%   | 11.15          | 1858            | 22340                 | 16197      | 73%  | 10.90          | 2049            |
|                                  | 30°F  | 19783                  | 14343      | 73%   | 11.58 | 1709            | 20860                 | 15123      | 73%   | 11.60          | 1799            | 21398                 | 15514      | 73%   | 11.30          | 1893            | 23013                 | 16685      | 73%  | 11.03          | 2087            |
|                                  | 35°F  | 20456                  | 14831      | 73%   | 11.76 | 1740            | 21533                 | 15611      | 73%   | 11.76          | 1832            | 22071                 | 16002      | 73%   | 11.45          | 1928            | 23686                 | 17172      | 73%  | 11.14          | 2126            |
|                                  | 40°F  | 20860                  | 15123      | 73%   | 11.77 | 1772            | 21937                 | 15904      | 73%   | 11.76          | 1865            | 22475                 | 16294      | 73%   | 11.45          | 1963            | 24090                 | 17465      | 73%  | 11.13          | 2164            |
|                                  | 45°F  | 21264                  | 15416      | 73%   | 11.79 | 1803            | 22340                 | 16197      | 73%   | 11.77          | 1898            | 22879                 | 16587      | 73%   | 11.45          | 1998            | 24494                 | 17758      | 73%  | 11.12          | 2203            |
|                                  | 50°F  | 21937                  | 15904      | 73%   | 11.96 | 1834            | 23013                 | 16685      | 73%   | 11.92          | 1931            | 23552                 | 17075      | 73%   | 11.59          | 2033            | 25166                 | 18246      | 73%  | 11.23          | 2241            |
|                                  | 55°F  | 22609                  | 16392      | 73%   | 12.12 | 1866            | 23686                 | 17172      | 73%   | 12.06          | 1964            | 24224                 | 17563      | 73%   | 11.72          | 2067            | 25839                 | 18734      | 73%  | 11.34          | 2279            |
|                                  | 60°F  | 23282                  | 16880      | 73%   | 12.27 | 1897            | 24359                 | 17660      | 73%   | 12.20          | 1997            | 24897                 | 18051      | 73%   | 11.84          | 2102            | 26512                 | 19221      | 73%  | 11.44          | 2318            |
|                                  | 65°F  | 23955                  | 17368      | 73%   | 12.42 | 1929            | 25032                 | 18148      | 73%   | 12.33          | 2030            | 25570                 | 18538      | 73%   | 11.96          | 2137            | 27185                 | 19709      | 73%  | 11.54          | 2356            |
|                                  | 70°F  | 25032                  | 18148      | 73%   | 12.77 | 1960            | 26109                 | 18929      | 73%   | 12.65          | 2063            | 26647                 | 19319      | 73%   | 12.27          | 2172            | 28262                 | 20490      | 73%  | 11.80          | 2395            |
|                                  | 75°F  | 26109                  | 18929      | 73%   | 13.11 | 1992            | 27185                 | 19709      | 73%   | 12.97          | 2097            | 27723                 | 20100      | 73%   | 12.56          | 2207            | 29338                 | 21270      | 73%  | 12.06          | 2433            |
|                                  | 80°F  | 26512                  | 19221      | 73%   | 13.10 | 2023            | 27589                 | 20002      | 73%   | 12.95          | 2130            | 28127                 | 20392      | 73%   | 12.55          | 2242            | 29742                 | 21563      | 73%  | 12.03          | 2471            |
|                                  | 85°F  | 26916                  | 19514      | 73%   | 13.10 | 2055            | 27993                 | 20295      | 73%   | 12.94          | 2163            | 28531                 | 20685      | 73%   | 12.53          | 2277            | 30146                 | 21856      | 73%  | 12.01          | 2510            |
|                                  | 90°F  | 26109                  | 18929      | 73%   | 12.58 | 2076            | 27185                 | 19709      | 73%   | 12.44          | 2185            | 27723                 | 20100      | 73%   | 12.05          | 2300            | 29338                 | 21270      | 73%  | 11.57          | 2535            |
|                                  | 95°F  | 25301                  | 18343      | 73%   | 12.07 | 2097            | 26378                 | 19124      | 73%   | 11.95          | 2207            | 26916                 | 19514      | 73%   | 11.59          | 2323            | 28531                 | 20685      | 73%  | 11.14          | 2561            |
|                                  | 100°F | 24628                  | 17855      | 73%   | 11.46 | 2149            | 25705                 | 18636      | 73%   | 11.36          | 2262            | 26243                 | 19026      | 73%   | 11.02          | 2381            | 27858                 | 20197      | 73%  | 10.61          | 2625            |
|                                  | 105°F | 23955                  | 17368      | 73%   | 10.88 | 2201            | 25032                 | 18148      | 73%   | 10.80          | 2317            | 25570                 | 18538      | 73%   | 10.48          | 2439            | 27185                 | 19709      | 73%  | 10.11          | 2689            |
| 110°F                            | 23552 | 17075                  | 73%        | 10.45 | 2254  | 24628           | 17855                 | 73%        | 10.38 | 2372           | 25166           | 18246                 | 73%        | 10.08 | 2497           | 26781           | 19417                 | 73%        | 9.73 | 2753           |                 |
| 115°F                            | 23148 | 16782                  | 73%        | 10.04 | 2306  | 24224           | 17563                 | 73%        | 9.98  | 2428           | 24763           | 17953                 | 73%        | 9.69  | 2555           | 26378           | 19124                 | 73%        | 9.36 | 2817           |                 |
| 120°F                            | 22206 | 16099                  | 73%        | 9.59  | 2315  | 23282           | 16880                 | 73%        | 9.38  | 2483           | 23821           | 17270                 | 73%        | 9.11  | 2613           | 25436           | 18441                 | 73%        | 8.83 | 2881           |                 |
| 122°F                            | 21264 | 15416                  | 73%        | 9.15  | 2323  | 22340           | 16197                 | 73%        | 8.80  | 2538           | 22879           | 16587                 | 73%        | 8.56  | 2671           | 24494           | 17758                 | 73%        | 8.32 | 2945           |                 |
| 125°F                            |       |                        |            |       |       |                 |                       |            |       |                |                 |                       |            |       |                |                 |                       |            |      |                |                 |
| 129°F                            |       |                        |            |       |       |                 |                       |            |       |                |                 |                       |            |       |                |                 |                       |            |      |                |                 |

\*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts  
DB - Dry Bulb  
TC - Total Capacity  
SC - Total Capacity  
SHR - Sensible Heat Ratio  
COP - Coeffecient of Performance

# EXTENDED RATINGS

# KUL18HPJ132IA / KUL18HPJ132OA

## HEATING PERFORMANCE

| HEATING PERFORMANCE         |       |         |                        |          |                 |            |          |                 |            |          |                 |            |          |                 |
|-----------------------------|-------|---------|------------------------|----------|-----------------|------------|----------|-----------------|------------|----------|-----------------|------------|----------|-----------------|
| Outdoor Ambient Temperature |       |         | Return Air Temperature |          |                 |            |          |                 |            |          |                 |            |          |                 |
|                             |       |         | 70°F (DB)              |          |                 | 75°F (DB)  |          |                 | 80°F (DB)  |          |                 | 90°F (DB)  |          |                 |
|                             |       |         | TC (Btu/h)             | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) |
| MAX OUTPUT*                 | DB    | WB      |                        |          |                 |            |          |                 |            |          |                 |            |          |                 |
|                             | -22°F | -22.5°F | 14559                  | 7.38     | 1974            | 14029      | 6.97     | 2013            | 13500      | 6.57     | 2053            | 12970      | 6.19     | 2094            |
|                             | -20°F | -20.5°F | 14956                  | 7.50     | 1994            | 14426      | 7.09     | 2034            | 13897      | 6.70     | 2074            | 13367      | 6.32     | 2116            |
|                             | -15°F | -16°F   | 15353                  | 7.62     | 2014            | 14823      | 7.22     | 2054            | 14294      | 6.82     | 2095            | 13764      | 6.44     | 2137            |
|                             | -10°F | -11°F   | 16279                  | 8.00     | 2034            | 15750      | 7.59     | 2075            | 15220      | 7.19     | 2117            | 14691      | 6.80     | 2159            |
|                             | -5°F  | -6°F    | 17206                  | 8.37     | 2055            | 16676      | 7.96     | 2096            | 16147      | 7.55     | 2138            | 15617      | 7.16     | 2181            |
|                             | 0°F   | -1°F    | 18000                  | 8.58     | 2097            | 17470      | 8.17     | 2139            | 16941      | 7.77     | 2182            | 16411      | 7.38     | 2225            |
|                             | 5°F   | 3°F     | 18794                  | 8.78     | 2140            | 18264      | 8.37     | 2182            | 17735      | 7.97     | 2226            | 17206      | 7.58     | 2271            |
|                             | 10°F  | 8°F     | 19853                  | 9.09     | 2183            | 19323      | 8.68     | 2227            | 18794      | 8.27     | 2272            | 18264      | 7.88     | 2317            |
|                             | 15°F  | 13°F    | 20250                  | 9.18     | 2206            | 20250      | 9.00     | 2250            | 19720      | 8.59     | 2295            | 19191      | 8.20     | 2341            |
|                             | 17°F  | 15°F    | 20647                  | 9.27     | 2228            | 21176      | 9.32     | 2272            | 20647      | 8.91     | 2318            | 20117      | 8.51     | 2364            |
|                             | 20°F  | 17°F    | 21705                  | 9.55     | 2273            | 21176      | 9.13     | 2319            | 20647      | 8.73     | 2365            | 20117      | 8.34     | 2413            |
|                             | 25°F  | 22°F    | 22500                  | 9.70     | 2320            | 21970      | 9.29     | 2366            | 21441      | 8.88     | 2413            | 20911      | 8.49     | 2462            |
|                             | 30°F  | 27°F    | 22897                  | 9.77     | 2343            | 22367      | 9.36     | 2390            | 21838      | 8.96     | 2438            | 21308      | 8.57     | 2487            |
|                             | 35°F  | 33°F    | 23294                  | 9.84     | 2367            | 22764      | 9.43     | 2414            | 22235      | 9.03     | 2463            | 21705      | 8.64     | 2512            |
|                             | 40°F  | 36°F    | 25147                  | 10.41    | 2415            | 24617      | 9.99     | 2464            | 24088      | 9.59     | 2513            | 23558      | 9.19     | 2563            |
|                             | 45°F  | 41°F    | 25941                  | 10.52    | 2465            | 25411      | 10.11    | 2514            | 24882      | 9.70     | 2564            | 24352      | 9.31     | 2616            |
|                             | 47°F  | 43°F    | 26470                  | 10.52    | 2515            | 25941      | 10.11    | 2565            | 25411      | 9.71     | 2617            | 24882      | 9.32     | 2669            |
|                             | 50°F  | 46°F    | 26205                  | 10.37    | 2528            | 25676      | 9.96     | 2578            | 25147      | 9.56     | 2630            | 24617      | 9.18     | 2682            |
|                             | 55°F  | 50°F    | 25941                  | 10.21    | 2540            | 25411      | 9.81     | 2591            | 24882      | 9.42     | 2643            | 24352      | 9.03     | 2696            |
|                             | 60°F  | 55°F    | 25676                  | 10.01    | 2565            | 25147      | 9.61     | 2617            | 24617      | 9.22     | 2669            | 24088      | 8.85     | 2722            |
|                             | 65°F  | 60°F    | 25147                  | 10.20    | 2465            | 24617      | 9.79     | 2514            | 24088      | 9.39     | 2564            | 23558      | 9.01     | 2616            |
|                             | 70°F  | 64°F    | 24882                  | 10.15    | 2452            | 24352      | 9.74     | 2501            | 23823      | 9.34     | 2551            | 23294      | 8.95     | 2602            |
|                             | 75°F  | 69°F    | 24617                  | 10.09    | 2440            | 24088      | 9.68     | 2488            | 23558      | 9.28     | 2538            | 23029      | 8.90     | 2589            |
| 80°F                        | 74°F  | 22500   | 9.52                   | 2364     | 21970           | 9.11       | 2411     | 21441           | 8.72       | 2460     | 20911           | 8.34       | 2509     |                 |
| 86°F                        | 80°F  | 19853   | 8.58                   | 2314     | 19323           | 8.19       | 2360     | 18794           | 7.81       | 2407     | 18264           | 7.44       | 2455     |                 |

\*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

SC - Total Capacity

SHR - Sensible Heat Ratio

COP - Coefficient of Performance



## EXTENDED RATINGS

## KUL24HPJ132IA / KUL24HPJ132OA

## COOLING PERFORMANCE

| 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 (Btu/h)             | SC (Btu/h) | SHR    | EER   | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR    | EER(Btu/(h·W)) | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR    | EER(Btu/(h·W)) | Power Input (W) | TC (Btu/h)            | SC (Btu/h) | SHR    | EER(Btu/(h·W)) | Power Input (W) |
| MAX OUTPUT*                      | -20°F | 17180                  | 12456      | 72.50% | 11.64 | 1475            | 18407                 | 13345      | 72.50% | 12.07          | 1525            | 19021                 | 13790      | 72.50% | 11.90          | 1598            | 20862                 | 15125      | 72.50% | 12.12          | 1721            |
|                                  | -15°F | 17433                  | 12639      | 72.50% | 11.46 | 1522            | 18615                 | 13496      | 72.50% | 11.62          | 1602            | 19206                 | 13924      | 72.50% | 11.39          | 1686            | 20979                 | 15210      | 72.50% | 11.29          | 1859            |
|                                  | -10°F | 18030                  | 13119      | 72.76% | 11.83 | 1524            | 19203                 | 13972      | 72.76% | 11.97          | 1604            | 19789                 | 14398      | 72.76% | 11.72          | 1688            | 21548                 | 15678      | 72.76% | 11.58          | 1862            |
|                                  | -5°F  | 18621                  | 13594      | 73.00% | 12.17 | 1530            | 19785                 | 14443      | 73.00% | 12.28          | 1611            | 20367                 | 14868      | 73.00% | 12.01          | 1695            | 22113                 | 16142      | 73.00% | 11.83          | 1869            |
|                                  | 0°F   | 19366                  | 14187      | 73.25% | 12.62 | 1534            | 20558                 | 15060      | 73.25% | 12.73          | 1615            | 21154                 | 15496      | 73.25% | 12.44          | 1700            | 22942                 | 16806      | 73.25% | 12.24          | 1874            |
|                                  | 5°F   | 19391                  | 14253      | 73.50% | 12.10 | 1603            | 20566                 | 15116      | 73.50% | 12.19          | 1687            | 21154                 | 15548      | 73.50% | 11.91          | 1776            | 22917                 | 16844      | 73.50% | 11.70          | 1958            |
|                                  | 10°F  | 19427                  | 14329      | 73.76% | 12.08 | 1608            | 20578                 | 15178      | 73.76% | 12.16          | 1693            | 21154                 | 15602      | 73.76% | 11.87          | 1782            | 22881                 | 16876      | 73.75% | 11.65          | 1965            |
|                                  | 15°F  | 20014                  | 14810      | 74.00% | 12.31 | 1626            | 21174                 | 15669      | 74.00% | 12.37          | 1711            | 21754                 | 16098      | 74.00% | 12.08          | 1802            | 23494                 | 17386      | 74.00% | 11.83          | 1986            |
|                                  | 20°F  | 20112                  | 14934      | 74.25% | 11.94 | 1685            | 21261                 | 15787      | 74.25% | 11.99          | 1774            | 21836                 | 16214      | 74.25% | 11.70          | 1867            | 23560                 | 17494      | 74.25% | 11.45          | 2058            |
|                                  | 25°F  | 20134                  | 15000      | 74.50% | 11.72 | 1717            | 21269                 | 15845      | 74.50% | 11.76          | 1808            | 21836                 | 16268      | 74.50% | 11.47          | 1903            | 23538                 | 17535      | 74.50% | 11.22          | 2098            |
|                                  | 30°F  | 20188                  | 15092      | 74.76% | 11.44 | 1765            | 21287                 | 15913      | 74.76% | 11.46          | 1857            | 21836                 | 16324      | 74.76% | 11.17          | 1955            | 23484                 | 17556      | 74.76% | 10.89          | 2156            |
|                                  | 35°F  | 20346                  | 15259      | 75.00% | 11.39 | 1786            | 21417                 | 16062      | 75.00% | 11.39          | 1880            | 21952                 | 16464      | 75.00% | 11.09          | 1979            | 23558                 | 17669      | 75.00% | 10.80          | 2182            |
|                                  | 40°F  | 20426                  | 15371      | 75.25% | 11.15 | 1832            | 21480                 | 16165      | 75.25% | 11.14          | 1928            | 22007                 | 16561      | 75.25% | 10.84          | 2030            | 23588                 | 17751      | 75.25% | 10.54          | 2238            |
|                                  | 45°F  | 20454                  | 15442      | 75.50% | 10.80 | 1895            | 21489                 | 16224      | 75.50% | 10.78          | 1994            | 22007                 | 16615      | 75.50% | 10.48          | 2099            | 23560                 | 17788      | 75.50% | 10.18          | 2314            |
|                                  | 50°F  | 20498                  | 15529      | 75.76% | 10.53 | 1946            | 21504                 | 16291      | 75.76% | 10.50          | 2049            | 22007                 | 16672      | 75.76% | 10.20          | 2157            | 23516                 | 17815      | 75.76% | 9.89           | 2378            |
|                                  | 55°F  | 21829                  | 16590      | 76.00% | 11.00 | 1985            | 22868                 | 17380      | 76.00% | 10.95          | 2089            | 23388                 | 17775      | 76.00% | 10.63          | 2199            | 24947                 | 18960      | 76.00% | 10.29          | 2425            |
|                                  | 60°F  | 21856                  | 16667      | 76.26% | 10.85 | 2015            | 22867                 | 17437      | 76.26% | 10.78          | 2121            | 23372                 | 17823      | 76.26% | 10.47          | 2233            | 24888                 | 18979      | 76.26% | 10.11          | 2462            |
|                                  | 65°F  | 22852                  | 17482      | 76.50% | 11.08 | 2062            | 23879                 | 18268      | 76.50% | 11.00          | 2171            | 24393                 | 18661      | 76.50% | 10.67          | 2285            | 25934                 | 19839      | 76.50% | 10.29          | 2519            |
|                                  | 70°F  | 23718                  | 18206      | 76.76% | 11.38 | 2084            | 24738                 | 18989      | 76.76% | 11.28          | 2194            | 25248                 | 19380      | 76.76% | 10.93          | 2309            | 26778                 | 20555      | 76.76% | 10.52          | 2546            |
|                                  | 75°F  | 24261                  | 18681      | 77.00% | 11.52 | 2107            | 25262                 | 19451      | 77.00% | 11.39          | 2218            | 25762                 | 19837      | 77.00% | 11.04          | 2334            | 27263                 | 20992      | 77.00% | 10.59          | 2574            |
|                                  | 80°F  | 26372                  | 20373      | 77.25% | 11.90 | 2215            | 27443                 | 21200      | 77.25% | 11.77          | 2332            | 27978                 | 21614      | 77.25% | 11.40          | 2455            | 29584                 | 22855      | 77.25% | 10.93          | 2706            |
|                                  | 85°F  | 26394                  | 20456      | 77.50% | 11.63 | 2270            | 27450                 | 21274      | 77.50% | 11.49          | 2390            | 27978                 | 21683      | 77.50% | 11.12          | 2515            | 29562                 | 22910      | 77.50% | 10.66          | 2773            |
|                                  | 90°F  | 26348                  | 20484      | 77.74% | 11.32 | 2328            | 27435                 | 21328      | 77.74% | 11.20          | 2450            | 27978                 | 21751      | 77.74% | 10.85          | 2579            | 29608                 | 23018      | 77.74% | 10.41          | 2844            |
|                                  | 95°F  | 26301                  | 20515      | 78.00% | 11.05 | 2381            | 27420                 | 21388      | 78.00% | 10.94          | 2506            | 27980                 | 21824      | 78.00% | 10.61          | 2638            | 29659                 | 23134      | 78.00% | 10.20          | 2908            |
|                                  | 100°F | 26185                  | 20488      | 78.24% | 10.76 | 2434            | 27329                 | 21383      | 78.24% | 10.67          | 2562            | 27902                 | 21831      | 78.24% | 10.35          | 2697            | 29619                 | 23175      | 78.24% | 9.96           | 2973            |
|                                  | 105°F | 25857                  | 20298      | 78.50% | 10.36 | 2496            | 27019                 | 21210      | 78.50% | 10.28          | 2627            | 27600                 | 21666      | 78.50% | 9.98           | 2766            | 29343                 | 23034      | 78.50% | 9.62           | 3049            |
|                                  | 110°F | 25735                  | 20265      | 78.75% | 10.11 | 2545            | 26912                 | 21192      | 78.75% | 10.04          | 2679            | 27500                 | 21655      | 78.75% | 9.75           | 2820            | 29265                 | 23045      | 78.75% | 9.41           | 3110            |
|                                  | 115°F | 23692                  | 18717      | 79.00% | 9.24  | 2564            | 24794                 | 19587      | 79.00% | 9.19           | 2699            | 25345                 | 20023      | 79.00% | 8.92           | 2841            | 26998                 | 21328      | 79.00% | 8.62           | 3133            |
|                                  | 120°F | 22145                  | 17547      | 79.24% | 8.73  | 2537            | 23218                 | 18398      | 79.24% | 8.53           | 2721            | 23755                 | 18824      | 79.24% | 8.29           | 2864            | 25366                 | 20100      | 79.24% | 8.03           | 3158            |
|                                  | 122°F | 19978                  | 15882      | 79.50% | 7.93  | 2519            | 20989                 | 16686      | 79.50% | 7.63           | 2752            | 21495                 | 17089      | 79.50% | 7.42           | 2897            | 23012                 | 18295      | 79.50% | 7.21           | 3194            |
|                                  | 125°F |                        |            |        |       |                 |                       |            |        |                |                 |                       |            |        |                |                 |                       |            |        |                |                 |
|                                  | 129°F |                        |            |        |       |                 |                       |            |        |                |                 |                       |            |        |                |                 |                       |            |        |                |                 |

\*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts  
DB - Dry Bulb  
TC - Total Capacity  
SC - Total Capacity  
SHR - Sensible Heat Ratio  
COP - Coefficient of Performance

# EXTENDED RATINGS

# KUL24HPJ132IA / KUL24HPJ132OA

## HEATING PERFORMANCE

| Outdoor Ambient Temperature |       |         | Return Air Temperature |          |                 |            |          |                 |            |          |                 |            |          |                 |
|-----------------------------|-------|---------|------------------------|----------|-----------------|------------|----------|-----------------|------------|----------|-----------------|------------|----------|-----------------|
|                             |       |         | 70°F (DB)              |          |                 | 75°F (DB)  |          |                 | 80°F (DB)  |          |                 | 90°F (DB)  |          |                 |
|                             |       |         | TC (Btu/h)             | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) | TC (Btu/h) | COP(W/W) | Power Input (W) |
| MAX OUTPUT*                 | DB    | WB      |                        |          |                 |            |          |                 |            |          |                 |            |          |                 |
|                             | -22°F | -22.5°F | 19107                  | 5.62     | 3400            | 13542      | 6.19     | 2189            | 13332      | 5.97     | 2233            | 12810      | 5.62     | 2278            |
|                             | -20°F | -20.5°F | 20120                  | 5.85     | 3440            | 13808      | 6.23     | 2218            | 13595      | 6.01     | 2262            | 13077      | 5.67     | 2308            |
|                             | -15°F | -16°F   | 21519                  | 6.22     | 3460            | 14373      | 6.43     | 2234            | 14151      | 6.21     | 2279            | 13627      | 5.86     | 2324            |
|                             | -10°F | -11°F   | 22007                  | 6.32     | 3480            | 14896      | 6.56     | 2270            | 14666      | 6.33     | 2315            | 14156      | 5.99     | 2361            |
|                             | -5°F  | -6°F    | 22100                  | 6.31     | 3500            | 15839      | 6.95     | 2279            | 15595      | 6.71     | 2325            | 15083      | 6.36     | 2372            |
|                             | 0°F   | -1°F    | 22519                  | 6.40     | 3520            | 15885      | 6.83     | 2326            | 15639      | 6.59     | 2372            | 15151      | 6.26     | 2420            |
|                             | 5°F   | 3°F     | 23681                  | 6.49     | 3650            | 17004      | 7.16     | 2373            | 16741      | 6.92     | 2421            | 16241      | 6.58     | 2469            |
|                             | 10°F  | 8°F     | 24000                  | 6.56     | 3660            | 18369      | 7.58     | 2422            | 18085      | 7.32     | 2470            | 17575      | 6.98     | 2520            |
|                             | 15°F  | 13°F    | 24000                  | 6.52     | 3680            | 19449      | 7.87     | 2471            | 19148      | 7.60     | 2521            | 18634      | 7.25     | 2571            |
|                             | 17°F  | 15°F    | 24000                  | 6.59     | 3640            | 19549      | 7.81     | 2504            | 19247      | 7.54     | 2554            | 18754      | 7.20     | 2605            |
|                             | 20°F  | 17°F    | 24000                  | 6.63     | 3620            | 19639      | 7.79     | 2522            | 19335      | 7.52     | 2572            | 18840      | 7.18     | 2624            |
|                             | 25°F  | 22°F    | 24151                  | 6.94     | 3480            | 20803      | 8.08     | 2573            | 20482      | 7.80     | 2625            | 19976      | 7.46     | 2677            |
|                             | 30°F  | 27°F    | 24252                  | 7.18     | 3380            | 21381      | 8.14     | 2626            | 21050      | 7.86     | 2678            | 20540      | 7.52     | 2732            |
|                             | 35°F  | 33°F    | 24952                  | 7.82     | 3190            | 22856      | 8.59     | 2660            | 22503      | 8.29     | 2714            | 21967      | 7.94     | 2768            |
|                             | 40°F  | 36°F    | 25378                  | 8.54     | 2970            | 24319      | 9.08     | 2679            | 23943      | 8.76     | 2733            | 23416      | 8.40     | 2788            |
|                             | 45°F  | 41°F    | 27802                  | 9.72     | 2860            | 27852      | 10.19    | 2734            | 27421      | 9.83     | 2789            | 26838      | 9.44     | 2844            |
|                             | 47°F  | 43°F    | 28000                  | 10.45    | 2680            | 27527      | 9.87     | 2790            | 27178      | 9.55     | 2846            | 27142      | 9.35     | 2902            |
|                             | 50°F  | 46°F    | 25656                  | 9.72     | 2640            | 28692      | 10.13    | 2832            | 28095      | 9.72     | 2889            | 27908      | 9.47     | 2947            |
|                             | 55°F  | 50°F    | 28560                  | 10.98    | 2600            | 29617      | 10.31    | 2873            | 29159      | 9.95     | 2931            | 28538      | 9.55     | 2990            |
|                             | 60°F  | 55°F    | 25999                  | 10.08    | 2580            | 30767      | 10.40    | 2960            | 30277      | 10.03    | 3019            | 29607      | 9.61     | 3079            |
|                             | 65°F  | 60°F    | 27210                  | 10.97    | 2480            | 31586      | 10.36    | 3048            | 31097      | 10.00    | 3109            | 30414      | 9.59     | 3172            |
|                             | 70°F  | 64°F    | 24975                  | 10.15    | 2460            | 29989      | 9.55     | 3140            | 29526      | 9.22     | 3203            | 28870      | 8.84     | 3267            |
|                             | 75°F  | 69°F    | 26645                  | 10.88    | 2450            | 29012      | 8.97     | 3234            | 28563      | 8.66     | 3299            | 27922      | 8.30     | 3365            |
| 80°F                        | 74°F  | 23576   | 9.70                   | 2430     | 26647           | 8.00       | 3331     | 26235           | 7.72       | 3398     | 25587           | 7.38       | 3466     |                 |
| 86°F                        | 80°F  | 23000   | 9.54                   | 2410     | 26437           | 7.99       | 3309     | 26029           | 7.71       | 3376     | 25295           | 7.35       | 3443     |                 |

\*Maximum Output values are not based on AHRI test conditions

LEGEND: W - Watts

DB - Dry Bulb

TC - Total Capacity

SC - Total Capacity

SHR - Sensible Heat Ratio

COP - Coefficient of Performance





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