

# ALL MATCH<sup>R32</sup>

SLIM DUCT

## EVEN, CONSISTENT COMFORT WITHOUT SACRIFICING AESTHETICS



**HIGH EFFICIENCY,  
22.5 SEER2 / 14.2 EER2  
9.2 HSPF2**



**COOLING RANGE:  
-20°F - 122°F  
HEATING RANGE:  
-22°F - 86°F**



**MAXIMUM LINE LENGTH:  
131 FT.**



- High E.S.P Capability - Adjustable
- Slim line construction
- Outside air capability
- Cleanable air filter

- Flexible Return Air From Bottom Or Rear
- Internal condensate pump
- Sentry float switch
- Refrigerant sensor

| SYSTEM TYPE  |                      | HEAT PUMP  |                                |                                |                                |                                |                               |                 |
|--|----------------------|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------|-----------------|
| Indoor Model   |                      | DUC09HPJ1321A  | DUC12HPJ1321A                  | DUC18HPJ1321A                  | DUC24HPJ1321A                  | DUC30HPJ1321A                  | DUC36HPJ1321A                 |                 |
| Outdoor Model  |                      | NOV09HPJ1320A  | NOV12HPJ1320A                  | NOV18HPJ1320A                  | NOV24HPJ1320A                  | BRS30HPJ1320A                  | BRS36HPJ1320A                 |                 |
| SYSTEM PERFORMANCE                                   |                      |  |                                |                                |                                |                                |                               |                 |
| Cooling Capacity                                     | Min - Max            | Btu/h  | 2,500 - 12,200                 | 2,388.4 - 15,354               | 5,118 - 23,543                 | 2,730 - 29,000                 | 4,360 - 37,500                | 10,800 - 42,900 |
|  | Rated Capacity @95°F | Btu/h  | 9,100                          | 12,000                         | 18,000                         | 22,000                         | 30,000                        | 33,600          |
| Heating Capacity                                     | Min - Max            | Btu/h  | 2,900 - 13,600                 | 3,070.8 - 14,159.8             | 4,265 - 23,884                 | 3,650 - 28,300                 | 4,950 - 35,140                | 13,600 - 39,200 |
|  | Rated Capacity @47°F | Btu/h  | 10,500                         | 12,000                         | 18,000                         | 24,000                         | 30,000                        | 34,000          |
|  | Rated Capacity @17°F | Btu/h  | 8,800                          | 10,000                         | 14,700                         | 19,800                         | 24,000                        | 27,200          |
|  | Rated Capacity @5°F  | Btu/h  | 9,500                          | 10,500                         | 15,000                         | 19,600                         | 20,400                        | 23,600          |
| SEER2  |                      |  | 22.0                           | 21.0                           | 22.5                           | 19.5                           | 18.50                         | 20.0            |
| EER2   |                      |  | 14.2                           | 13.0                           | 14.0                           | 12.3                           | 11.25                         | 11.95           |
| HSPF2  |                      |  | 9.2                            | 9.0                            | 9.0                            | 9.0                            | 8.5                           | 8.5             |
| COP @5°F   |                      |  | 2.15                           | 1.90                           | 1.90                           | 1.80                           | 1.80                          | 1.90            |
| Energy Star®   |                      |  | YES                            | NO                             | NO                             | NO                             | NO                            | NO              |
| Energy Star® Certified with Cold Climate Designation |                      |  | YES                            | NO                             | NO                             | NO                             | NO                            | NO              |
| Cooling Temperature Range                            |                      | °F   | -20 - 122                      | -20 - 122                      | -20 - 122                      | -20 - 122                      | -4 - 122                      |                 |
| Heating Temperature Range                            |                      | °F   | -22 - 86                       | -22 - 86                       | -22 - 86                       | -22 - 86                       | -13 - 75                      |                 |
| Refrigerant Type                                     |                      |  | R32                            |                                |                                |                                |                               |                 |
| INDOOR UNIT  |                      | DUC09HPJ1321A  | DUC12HPJ1321A                  | DUC18HPJ1321A                  | DUC24HPJ1321A                  | DUC30HPJ1321A                  | DUC36HPJ1321A                 |                 |
| Air flow (Min-Max)                                   | CFM                  | 188 - 324  | 212 - 353                      | 383 - 883                      | 577 - 1030                     | 647 - 883                      | 853 - 1324                    |                 |
| External Static Pressure (Max)                       | In W.c.              | 0.6  | 0.6                            | 0.8                            | 0.8                            | 0.8                            | 0.8                           |                 |
| Sound Pressure Level (Min - Max)                     | dB(A)                | 25 - 38  | 25 - 39                        | 25 - 41                        | 27 - 43                        | 37 - 44                        | 39 - 45                       |                 |
| Dehumidification                                     | pt/hr                | 1.69   | 2.96                           | 3.80                           | 4.23                           | 7.40                           | 7.82                          |                 |
| External Dimensions (L x D x H)                      | in                   | 32-43/64 x 29-11/16 x 11-13/16                               | 32-43/64 x 29-11/16 x 11-13/16 | 44-31/64 x 29-11/16 x 11-13/16 | 44-31/64 x 29-11/16 x 11-13/16 | 35-7/16 x 25-25/32 x 10-15/64  | 52-3/4 x 25-25/32 x 10-15/64  |                 |
| Package Dimension (L x W x H)                        | in                   | 35-5/16 x 31-13/16 x 14-11/16                                | 35-5/16 x 31-13/16 x 14-11/16  | 47-7/16 x 32-1/64 x 14-11/64   | 47-7/16 x 32-1/64 x 14-11/64   | 43-57/64 x 30-25/64 x 12-19/32 | 61-47/64 x 30-5/16 x 12-23/32 |                 |
| Net Weight   | lbs                  | 70.6   | 70.6                           | 92.6                           | 92.6                           | 66.2                           | 94.8                          |                 |
| Gross Weight   | lbs                  | 83.8   | 83.8                           | 106.9                          | 106.9                          | 77.2                           | 108.0                         |                 |
| OUTDOOR UNIT   |                      | NOV09HPJ1320A  | NOV12HPJ1320A                  | NOV18HPJ1320A                  | NOV24HPJ1320A                  | BRS30HPJ1320A                  | BRS36HPJ1320A                 |                 |
| Sound Pressure Level                                 | dB(A)                | 52   | 52                             | 59                             | 61                             | 62                             | 62                            |                 |
| External Dimensions (L x D x H)                      | in                   | 31 37/64 x 13 25/32 x 21 27/32                               | 31 37/64 x 13 25/32 x 21 27/32 | 37-23/32 x 15-53/64 x 25-63/64 | 39-3/8 x 16-13/16 x 29-3/8     | 39-3/8 x 15-13/16 x 29-3/8     | 39-3/8 x 15-13/16 x 29-3/8    |                 |
| Package Dimension (L x W x H)                        | in                   | 34 21/64 x 15 43/64 x 24 13/32                               | 34 21/64 x 15 43/64 x 24 13/32 | 40-5/8 x 17-61/64 x 29-1/64    | 42-33/64 x 19-1/64 x 31-57/64  | 42-33/64 x 19-1/64 x 31-57/64  | 42-33/64 x 19-1/64 x 31-57/64 |                 |
| Net Weight   | lbs                  | 70.6   | 67.3                           | 94.8                           | 103.6                          | 116.8                          | 122.4                         |                 |
| Gross Weight   | lbs                  | 76.1   | 72.8                           | 104.7                          | 114.7                          | 127.9                          | 133.4                         |                 |
| REFRIGERANT PIPING                                   |                      |  |                                |                                |                                |                                |                               |                 |
| Refrigerant Charge - R32                             | oz                   | 30   | 28.2                           | 40.6                           | 49.4                           | 56.4                           | 56.4                          |                 |
| Additional Charge                                    | oz/ft                | 0.2  | 0.2                            | 0.2                            | 0.4                            | 0.4                            | 0.4                           |                 |
| Indoor Piping Connection (Liquid - Gas)*             | in                   | 1/4 - 3/8  | 1/4 - 3/8                      | 1/4 - 5/8                      | 1/4 - 5/8                      | 1/4 - 5/8                      |                               |                 |
| Outdoor Piping Connection (Liquid - Gas)             | in                   | 1/4 - 3/8  | 1/4 - 1/2                      | 1/4 - 1/2                      | 1/4 - 5/8                      | 1/4 - 5/8                      | 1/4 - 5/8                     |                 |
| Pre-Charge Length                                    | ft                   | 25   | 25                             | 25                             | 25                             | 25                             |                               |                 |
| Pipe Length (Min - Max)                              | ft                   | 10 - 66  | 10 - 66                        | 10 - 131                       | 10 - 131                       | 10 - 131                       | 10 - 131                      |                 |
| Max. Pipe Elevation                                  | ft                   | 40   | 40                             | 82                             | 82                             | 82                             | 82                            |                 |
| ELECTRICAL   |                      |  |                                |                                |                                |                                |                               |                 |
| Power Supply   |                      | 208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)          |                                |                                |                                |                                |                               |                 |
| Voltage Range (Min - Max)                            | VAC                  | 187 - 253  | 187 - 253                      | 187 - 253                      | 187 - 253                      | 187 - 253                      |                               |                 |
| Rated Current - Cooling                              | A                    | 7.5  | 6.56                           | 11.5                           | 13.5                           | 18                             | 20                            |                 |
| Rated Current - Heating                              | A                    | 7.5  | 7.13                           | 11.5                           | 16                             | 22                             | 20                            |                 |
| MOCP   | A                    | 15   | 15                             | 20                             | 30                             | 30                             | 35                            |                 |
| MCA  | A                    | 10   | 10                             | 16                             | 22                             | 27                             | 24                            |                 |
| Main Power Wire Size                                 | AWG                  | Per Local Code   | Per Local Code                 | Per Local Code                 | Per Local Code                 | Per Local Code                 |                               |                 |
| Interconnecting Wire Size                            | AWG                  | 14 / 4   | 14 / 4                         | 14 / 4                         | 14 / 4                         | 14 / 4                         |                               |                 |
| LIMITED WARRANTY                                     |                      | 5 Years Parts, 7 Years Compressor - Residential & Commercial |                                |                                |                                |                                |                               |                 |

\* Refrigerant piping must be sized by the indoor unit connections. If the outdoor unit connection is a different size from the indoor unit connection, a flare adapter must be purchased separately and installed on the outdoor unit.



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