

# SISTEMAS VRF 8HP-30HP VC PRO SERIES

MODELO: MVC

El VC PRO VRF utiliza tecnología de refrigeración por refrigerante para enfriar la caja de control eléctrico. Disminuye la temperatura promedio de los componentes de control eléctrico en aproximadamente 8 grados, lo que garantiza el funcionamiento estable y seguro del sistema de control.

La temperatura y la presión del refrigerante pueden ser monitoreadas en tiempo real por la unidad exterior. Cuando el nivel de refrigerante es demasiado bajo o demasiado alto, puede causar daños a la unidad y un rendimiento deficiente. La unidad exterior VC Pro puede detectar cantidades excesivas o insuficientes de refrigerante para garantizar un rendimiento constante.



Toda la tecnología Inverter DC



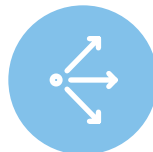
Estática alta seleccionable



Amplia gama de aplicaciones



Limpieza automática de polvo



Direccionamiento automático



Monitoreo de cantidad de refrigerante en tiempo real

| MODEL                         |                        | MVC-224VV2WN1    | MVC-280VV2WN1    | MVC-335VV2WN1    | MVC-400VV2WN1    | MVC-500VV2WN1    | MVC-450VV2WN1    | MVC-560VV2WN1    | MVC-615VV2WN1    | MVC-670VV2WN1    | MVC-730VV2WN1    | MVC-785VV2WN1    | MVC-850VV2WN1    |
|-------------------------------|------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| SPECIFICATIONS                |                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| PERFORMANCE                   |                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Cooling Capacity <sup>1</sup> | Btu/h                  | 76,500           | 95,600           | 114,400          | 136,600          | 153,700          | 170,800          | 191,300          | 210,000          | 228,800          | 249,300          | 268,100          | 290,300          |
| EER                           | Btu/W <sup>h</sup>     | 14.6             | 13.4             | 12.8             | 13.2             | 12.8             | 12.5             | 11.6             | 10.7             | 11.4             | 11.2             | 11.1             | 10.5             |
| Power Input                   | kW                     | 5.25             | 7.10             | 8.90             | 10.3             | 12.0             | 13.7             | 16.5             | 19.65            | 20.1             | 22.2             | 24.18            | 27.51            |
| Heating Capacity <sup>1</sup> | Btu/h                  | /                | /                | /                | /                | /                | /                | /                | /                | /                | /                | /                | /                |
| COP                           | Btu/W <sup>h</sup>     | /                | /                | /                | /                | /                | /                | /                | /                | /                | /                | /                | /                |
| Power Input                   | kW                     | /                | /                | /                | /                | /                | /                | /                | /                | /                | /                | /                | /                |
| ELECTRICAL DATA               |                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Power Supply                  | V/Ph/Hz                | 220V,3Ph,50/60Hz | 220V,3Ph,50/60Hz | 220V,3Ph,50/60Hz | 220V,3Ph,50/60Hz | 220V,3Ph,50/60Hz | 220V,3Ph,50/60Hz | 220V,3Ph,50/60Hz | 220V,3Ph,50/60Hz | 220V,3Ph,50/60Hz | 220V,3Ph,50/60Hz | 220V,3Ph,50/60Hz | 220V,3Ph,50/60Hz |
| Minimum Circuit Ampacity      | A                      | 42.5             | 42.8             | 43.0             | 47.0             | 47.5             | 85.5             | 86.0             | 86.5             | 91.0             | 91.5             | 92.0             | 100.0            |
| Total Over current Amps.      | A                      | 48.8             | 48.8             | 49.4             | 54.8             | 54.8             | 98.0             | 98.5             | 98.5             | 107.0            | 107.0            | 108.0            | 46.7+46.5        |
| Max. Fuse Amps.               | A                      | 50.0             | 50.0             | 50.0             | 63.0             | 63.0             | 100.0            | 100.0            | 100.0            | 100.0            | 100.0            | 100.0            | 2                |
| Compressor RLA                | A                      | 34.68            | 36.23            | 38.65            | 43.85            | 44.23            | 37.4+37.2        | 37.9+37.7        | 38.6+38.4        | 37.7+37.5        | 43.0+42.8        | 46.0+45.8        | 108.0            |
| No. of Compressors            | /                      | 1                | 1                | 1                | 1                | 1                | 2                | 2                | 2                | 2                | 2                | 2                | 92.5             |
| Outdoor Fan Power Input       | W                      | 560              | 560              | 560              | 750              | 750              | 560+560          | 560+560          | 560+560          | 560+560          | 560+560          | 560+560          | 560+560          |
| Outdoor Fan FLA               | A                      | 3.8              | 3.8              | 4.4              | 5.8              | 5.8              | 8.0              | 8.5              | 8.5              | 9.2              | 9.2              | 10.0             | 10.0             |
| GENERAL DATA                  |                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Connection Ratio              | %                      | 50% to 130%      | 50% to 130%      | 50% to 130%      | 50% to 130%      | 50% to 130%      | 50% to 130%      | 50% to 130%      | 50% to 130%      | 50% to 130%      | 50% to 130%      | 50% to 130%      | 50% to 130%      |
| Max. # of Indoor Units        | /                      | 13               | 16               | 20               | 23               | 26               | 29               | 33               | 36               | 39               | 43               | 46               | 50               |
| Sound Pressure Level          | dB (A)                 | 57               | 58               | 60               | 60               | 61               | 62               | 63               | 63               | 64               | 64               | 64               | 64               |
| Outdoor Fan Air Volume        | m <sup>3</sup> /h(CFM) | 10,400 (6,121)   | 10,400 (6,121)   | 10,800 (6,357)   | 11,600 (6,828)   | 11,600 (6,828)   | 12,000 (7,063)   | 12,200 (7,181)   | 12,200 (7,181)   | 19,600 (11,536)  | 19,600 (11,536)  | 20,600 (12,125)  | 20,600 (12,125)  |
| Refrigerant type              | /                      | R410A            | R410A            | R410A            | R410A            | R410A            | R410A            | R410A            | R410A            | R410A            | R410A            | R410A            | R410A            |
| Factory refrigerant charge    | kg (lbs.)              | 8(17.6)          | 8(17.6)          | 8(17.6)          | 11(24.3)         | 11(24.3)         | 13(28.7)         | 13(28.7)         | 13(28.7)         | 19(41.9)         | 19(41.9)         | 19(41.9)         | 19(41.9)         |
| DIMENSIONS                    |                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Unit Dimensions mm(in.)       | Height                 | 1615 (63-9/16)   | 1615 (63-9/16)   | 1615 (63-9/16)   | 1615 (63-9/16)   | 1615 (63-9/16)   | 1615 (63-9/16)   | 1615 (63-9/16)   | 1615 (63-9/16)   | 1615 (63-9/16)   | 1615 (63-9/16)   | 1615 (63-9/16)   | 1615 (63-9/16)   |
|                               | Width                  | 960 (37-13/16)   | 960 (37-13/16)   | 960 (37-13/16)   | 960 (37-13/16)   | 960 (37-13/16)   | 1250 (49-3/16)   | 1250 (49-3/16)   | 1250 (49-3/16)   | 1585 (62-3/8)    | 1585 (62-3/8)    | 1585 (62-3/8)    | 1585 (62-3/8)    |
|                               | Depth                  | 765 (30-1/8)     | 765 (30-1/8)     | 765 (30-1/8)     | 765 (30-1/8)     | 765 (30-1/8)     | 765 (30-1/8)     | 765 (30-1/8)     | 765 (30-1/8)     | 765 (30-1/8)     | 765 (30-1/8)     | 765 (30-1/8)     | 765 (30-1/8)     |
| Liquid Pipe Connection        | mm (in.)               | φ12.7 (φ1/2)     | φ12.7 (φ1/2)     | φ12.7 (φ1/2)     | φ15.9 (φ5/8)     | φ15.9 (φ5/8)     | φ15.9 (φ5/8)     | φ15.9 (φ5/8)     | φ15.9 (φ5/8)     | φ19.1 (φ3/4)     | φ19.1 (φ3/4)     | φ19.1 (φ3/4)     | φ19.1 (φ3/4)     |
| Gas Pipe Connection           | mm (in.)               | φ25.4 (φ1)       | φ25.4 (φ1)       | φ28.6 (φ1-1/8)   | φ31.8 (φ1-1/4)   | φ31.8 (φ1-1/4)   | φ31.8 (φ1-1/4)   | φ31.8 (φ1-1/4)   | φ31.8 (φ1-1/4)   | φ31.8 (φ1-1/4)   | φ34.9 (φ1-3/8)   | φ34.9 (φ1-3/8)   | φ34.9 (φ1-3/8)   |
| Net Weight                    | kg (lbs.)              | 193 (425)        | 193 (425)        | 193 (425)        | 200 (441)        | 200 (441)        | 296 (653)        | 296 (653)        | 296 (653)        | 352 (776)        | 352 (776)        | 352 (776)        | 352 (776)        |
| Shipping Weight               | kg (lbs.)              | 209 (461)        | 209 (461)        | 209 (461)        | 216 (476)        | 216 (476)        | 313 (690)        | 313 (690)        | 313 (690)        | 376 (829)        | 376 (829)        | 376 (829)        | 376 (829)        |