

## Specifications

T1 application, 380-415V 3Ph~ 50Hz



| Nominal ton*                      |                   |                    | 6.2                  | 7.5                  | 8.5                | 10                  | 12.5               |
|-----------------------------------|-------------------|--------------------|----------------------|----------------------|--------------------|---------------------|--------------------|
| Model                             |                   |                    | MRC-062HWN1-R(C)     | MRC-075HWN1-R(C)     | MRC-085HWN1-R(C)   | MRC-100HWN1-R(C)    | MRC-125HWN1-R(C)   |
| Cooling                           | Capacity          | Btu/h              | 75,000               | 89,000               | 103,000            | 120,000             | 150,000            |
|                                   |                   | kW                 | 22.0                 | 26.0                 | 30.0               | 35.0                | 44.0               |
|                                   | Input             | kW                 | 6.6                  | 7.9                  | 9.3                | 10.7                | 13.3               |
|                                   | EER               | Btu/h.W            | 11.4                 | 11.3                 | 11.1               | 11.2                | 11.3               |
| Heating                           | Capacity          | Btu/h              | 89,000               | 103,000              | 120,000            | 137,000             | 154,000            |
|                                   |                   | kW                 | 26.0                 | 30.0                 | 35.0               | 40.0                | 45.0               |
|                                   | Input             | kW                 | 7.5                  | 8.9                  | 10.6               | 11.9                | 13.2               |
|                                   | COP               | Btu/h.W            | 11.9                 | 11.6                 | 11.3               | 11.5                | 11.7               |
| Air flow                          | Indoor side       | CFM                | 2,800                | 2,830                | 3,500              | 4,100               | 5,500              |
| ESP                               | Pa                | Default: 80; 0~250 | Default: 80; 0~250   | Default: 80; 0~200   | Default: 90; 0~250 | Default: 110; 0~275 |                    |
| Max. power input                  | kW                | 8,600              | 12,000               | 13,600               | 16,000             | 19,700              |                    |
| Max. current                      | A                 | 18.3               | 24.8                 | 26.5                 | 28.8               | 38.2                |                    |
| Compressor                        | Type \ Quantity   |                    | Scroll / 1           | Scroll / 1           | Scroll / 2         | Scroll / 2          | Scroll / 2         |
|                                   | Brand             |                    | Copeland             | Danfoss              | Hitachi            | Hitachi             | Copeland           |
| Indoor fan                        | Type / Drive type |                    | Centrifugal / Direct | Centrifugal / Direct | Centrifugal / Belt | Centrifugal / Belt  | Centrifugal / Belt |
| Outdoor fan                       | Type / Drive type |                    | Axial / Direct       | Axial / Direct       | Axial / Direct     | Axial / Direct      | Axial / Direct     |
| Wired controller                  |                   |                    | KJR-25B              | KJR-25B              | KJR-12B/dP(T)-E    | KJR-12B/dP(T)-E     | KJR-12B/dP(T)-E    |
| Centralized controller (Optional) |                   |                    | No                   | No                   | Yes                | Yes                 | Yes                |
| Ambient temperature               | Cooling           |                    | 10°C~46°C            | 10°C~46°C            | 10°C~46°C          | 10°C~46°C           | 10°C~46°C          |
|                                   | Heating           |                    | -9°C~24°C            | -9°C~24°C            | -9°C~24°C          | -9°C~24°C           | -9°C~24°C          |
| Dimension                         | Net (WxHxD)       | mm                 | 1,475x840x1,130      | 1,475x840x1,130      | 1,483x1,138x1,231  | 1,483x1,138x1,231   | 1,965x1,230x1,130  |
|                                   | Packing (WxHxD)   | mm                 | 1,495x870x1,150      | 1,495x870x1,150      | 1,500x1,255x1,155  | 1,500x1,255x1,155   | 1,995x1,255x1,160  |
| Weight                            | Net / Gross       | kg                 | 229/234              | 325/335              | 340/350            | 343/354             | 451/471            |

Notes:

- Cooling capacity test condition (1):  
Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;  
Heating capacity test condition (2):  
Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 26.7°C DB / 19.4°C WB;
  - Units are suitable for operation to ±20% of nominal CFM;
  - Specifications are subject to change without prior notice for product improvement.
- \* Nominal ton only for reference.  
Cooling or heating capacity as per specifications.

## Specifications

T1 application, 380-415V 3Ph~ 50Hz



| Nominal ton*                      |                   |                     | 15                  | 17.5                | 20                  | 25                   | 30                 |
|-----------------------------------|-------------------|---------------------|---------------------|---------------------|---------------------|----------------------|--------------------|
| Model                             |                   |                     | MRC-150HWN1-R(C)    | MRC-175HWN1-R(C)    | MRC-200HWN1-R(C)    | MRC-250HWN1-R(C)     | MRC-300HWN1-R(C)   |
| Cooling                           | Capacity          | Btu/h               | 180,000             | 208,000             | 240,000             | 300,000              | 335,000            |
|                                   |                   | kW                  | 53.0                | 61.0                | 70.0                | 88.0                 | 98.0               |
|                                   | Input             | kW                  | 16.7                | 19.1                | 22.6                | 28.9                 | 32.8               |
|                                   | EER               | Btu/h.W             | 10.8                | 10.9                | 10.6                | 10.4                 | 10.2               |
| Heating                           | Capacity          | Btu/h               | 191,000             | 218,000             | 260,000             | 330,000              | 380,000            |
|                                   |                   | kW                  | 56.0                | 64.0                | 75.0                | 97.0                 | 111.5              |
|                                   | Input             | kW                  | 17.2                | 19.5                | 23.6                | 30.3                 | 36.5               |
|                                   | COP               | Btu/h.W             | 11.1                | 11.2                | 11.0                | 10.9                 | 10.4               |
| Air flow                          | Indoor side       | CFM                 | 7,000               | 7,600               | 8,800               | 10,000               | 11,200             |
| ESP                               | Pa                | Default: 110; 0~325 | Default: 110; 0~250 | Default: 120; 0~375 | Default: 130; 0~350 | Default: 270; 25~400 |                    |
| Max. power input                  | kW                | 25.0                | 27.0                | 32.5                | 38.5                | 49.5                 |                    |
| Max. current                      | A                 | 46.1                | 55.4                | 63.2                | 74.3                | 81.7                 |                    |
| Compressor                        | Type \ Quantity   |                     | Scroll / 2          | Scroll / 2          | Scroll / 2          | Scroll / 2           | Scroll / 2         |
|                                   | Brand             |                     | Copeland            | Copeland            | Copeland            | Danfoss              | Danfoss            |
| Indoor fan                        | Type / Drive type |                     | Centrifugal / Belt  | Centrifugal / Belt  | Centrifugal / Belt  | Centrifugal / Belt   | Centrifugal / Belt |
| Outdoor fan                       | Type / Drive type |                     | Axial / Direct      | Axial / Direct      | Axial / Direct      | Axial / Direct       | Axial / Direct     |
| Wired controller                  |                   |                     | KJR-12B/dP(T)-E     | KJR-12B/dP(T)-E     | KJR-12B/dP(T)-E     | KJR-12B/dP(T)-E      | KJR-12B/dP(T)-E    |
| Centralized controller (Optional) |                   |                     | Yes                 | Yes                 | Yes                 | Yes                  | Yes                |
| Ambient temperature               | Cooling           |                     | 10°C~46°C           | 10°C~46°C           | 10°C~46°C           | 10°C~46°C            | 10°C~46°C          |
|                                   | Heating           |                     | -9°C~24°C           | -9°C~24°C           | -9°C~24°C           | -9°C~24°C            | -9°C~24°C          |
| Dimension                         | Net (WxHxD)       | mm                  | 1,965x1,230x1,130   | 1,670x1,247x2,192   | 1,670x1,247x2,192   | 2,320x1,245x2,220    | 2,320x1,245x2,220  |
|                                   | Packing (WxHxD)   | mm                  | 1,995x1,255x1,160   | 1,695x1,284x2,212   | 1,695x1,284x2,212   | 2,330x1,275x2,230    | 2,330x1,275x2,230  |
| Weight                            | Net / Gross       | kg                  | 492/512             | 615/645             | 690/720             | 940/970              | 955/985            |

Notes:

- Cooling capacity test condition (1):  
Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;  
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  - Units are suitable for operation to ±20% of nominal CFM;
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