

## 2 Specifications

### 2 - 1 Specifications

| Technical specifications |                     |           |                                      |                     | 5MXM90A9    |
|--------------------------|---------------------|-----------|--------------------------------------|---------------------|-------------|
| Casing                   | Colour              |           |                                      |                     | Ivory white |
| Dimensions               | Unit                | Height    | mm                                   |                     | 734         |
|                          |                     | Width     | mm                                   |                     | 974         |
|                          |                     | Depth     | mm                                   |                     | 408         |
|                          | Packed unit         | Height    | mm                                   |                     | 820         |
|                          |                     | Width     | mm                                   |                     | 1,050       |
| Depth                    |                     | mm        |                                      | 480                 |             |
| Weight                   | Unit                | kg        |                                      | 68                  |             |
|                          | Packed unit         | kg        |                                      | 73                  |             |
| Heat exchanger           | Length              |           | mm                                   |                     | 920         |
|                          | Rows                | Quantity  |                                      | 2                   |             |
|                          |                     | Fin pitch |                                      | mm                  |             |
|                          | Stages              | Quantity  |                                      | 32                  |             |
|                          |                     | Passes    | Quantity                             |                     | 6.00        |
|                          | Tube type           |           | Hi-XA                                |                     |             |
|                          | Tube diameter       |           | mm                                   |                     | 7.0         |
|                          | Fin                 | Type      | WHS8 FIN-HYDROPHILIC                 |                     |             |
|                          |                     | Treatment | Anti-corrosion treatment             |                     |             |
| Heat exchanger 2         | Quantity            |           | 1                                    |                     |             |
|                          | Length              |           | mm                                   |                     | 650         |
|                          | Rows                | Quantity  |                                      | 1                   |             |
|                          |                     | Fin pitch |                                      | mm                  |             |
|                          | Stages              | Quantity  |                                      | 12                  |             |
| Fan                      |                     | Type      |                                      | Propeller fan       |             |
|                          | Discharge direction |           | Horizontal                           |                     |             |
| Fan                      | Quantity            |           | 1                                    |                     |             |
|                          | Air flow rate       | Cooling   | High                                 | m <sup>3</sup> /min | 49.1        |
|                          |                     |           |                                      | cfm                 | 1,734       |
|                          |                     |           | Medium                               | m <sup>3</sup> /min | 49.1        |
|                          |                     | cfm       | 1,734                                |                     |             |
|                          |                     | Low       | m <sup>3</sup> /min                  | 24.1                |             |
|                          |                     |           | cfm                                  | 851                 |             |
|                          | Heating             |           | High                                 | m <sup>3</sup> /min | 50.4        |
|                          |                     | cfm       |                                      | 1,780               |             |
|                          |                     | Medium    | m <sup>3</sup> /min                  | 50.4                |             |
| cfm                      | 1,780               |           |                                      |                     |             |
| Fan                      | Air flow rate       | Heating   | Low                                  | m <sup>3</sup> /min | 24.1        |
|                          |                     |           |                                      | cfm                 | 851         |
| Fan motor                | Quantity            |           | 1                                    |                     |             |
|                          | Model               |           | D90B-37                              |                     |             |
|                          | Output              |           | W                                    |                     | 128         |
|                          | Speed               | Cooling   | High                                 | rpm                 | 800         |
|                          |                     |           |                                      | rpm                 | 800         |
|                          |                     |           | Low                                  | rpm                 | 420         |
|                          | Heating             | High      | rpm                                  | 820                 |             |
|                          |                     |           | rpm                                  | 420                 |             |
|                          |                     | Medium    | rpm                                  | 820                 |             |
| Compressor               | Quantity            |           | 1                                    |                     |             |
|                          | Model               |           | 2YC71DXD#C                           |                     |             |
|                          | Oil Amount          |           | cm <sup>3</sup>                      |                     | 900         |
|                          | Type                |           | Hermetically sealed swing compressor |                     |             |
|                          | Output              |           | W                                    |                     | 2,400       |
| Oil Type                 |                     | FW68DA    |                                      |                     |             |
| Operation range          | Cooling             | Ambient   | Min.                                 | °CDB                | -10         |
|                          |                     |           | Max.                                 | °CDB                | 46          |
|                          | Heating             | Ambient   | Min.                                 | °CDB                | -15         |
|                          |                     |           | Max.                                 | °CDB                | 24          |
| Sound power level        | Heating             | Nom.      | dBA                                  |                     | 64          |
| Sound pressure level     | Cooling             | Nom.      | dBA                                  |                     | 52          |
|                          | Heating             | Nom.      | dBA                                  |                     | 52          |
| Refrigerant              | Type                |           | R-32                                 |                     |             |
|                          | Charge              |           | kg                                   |                     | 2.40        |
|                          | Control             |           | Expansion valve                      |                     |             |
|                          | GWP                 |           | 675                                  |                     |             |

## 2 Specifications

### 2 - 1 Specifications

2

| Technical specifications |                               |               |                     | 5MXM90A9                                    |
|--------------------------|-------------------------------|---------------|---------------------|---|
| Piping connections       | Liquid                        | Quantity      |                     | 5   |
|                          |                               | OD            | mm                  | 6.35  |
|                          | Gas                           | Quantity      |                     | 2   |
|                          |                               | OD            | mm                  | 9.5   |
|                          | Drain                         | Quantity      |                     | 1   |
|                          |                               | OD            | mm                  | 16 (inner diameter of connecting hose)      |
|                          | Gas 2                         | Quantity      |                     | 1   |
| OD                       |                               | mm            | 12.7                |   |
| Gas 3                    | Quantity                      |               | 2                   |   |
| Piping connections       | Gas 3                         | OD            | mm                  | 15.9  |
|                          |                               | Piping length | OU - IU             | Min. m 3 (1)                                |
|                          | length                        |               | Max. m 25 (1)       |   |
|                          |                               | System        | Chargeless m 30     |   |
|                          | Additional refrigerant charge |               |                     | kg/m 0.02 (for piping length exceeding 30m) |
|                          | Level difference              | IU - OU       | Max. m 15           |   |
|                          |                               | IU - IU       | m 7.5               |   |
|                          | Heat insulation               |               |                     | Both liquid and gas pipes                   |
|                          | Total piping length           | System        | Actual m 75         |   |
|                          |                               |               |                     |   |
| Capacity control         | Method                        |               | Variable (inverter) |   |

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Screw bag;Quantity: 1;

Standard accessories: Drain plug;Quantity: 1;

Standard accessories: Reducer assembly;Quantity: 1;

Standard accessories: Drain cap (1);Quantity: 6;

Standard accessories: Drain cap (2);Quantity: 3;

| Electrical specifications |                            |          |      | 5MXM90A9            |
|---------------------------|----------------------------|----------|------|---------------------|
| Power supply              | Phase                      |          |      | 1~                  |
|                           | Frequency                  |          | Hz   | 50                  |
|                           | Voltage                    |          | V    | 220-240             |
| Wiring connections        | For power supply           | Quantity |      | 3                   |
|                           |                            | Remark   |      | Earth wire included |
|                           | For connection with indoor | Quantity |      | 4                   |
|                           |                            | Remark   |      | Earth wire included |
| Current - 50Hz            | Maximum fuse amps (MFA)    |          | A 32 |                     |

(1)For one room |

For combination with CVXM-A, FVXM-A - maximum piping length is 30m. |

See separate drawing for operation range |

See separate drawing for electrical data |

Contains fluorinated greenhouse gases