

## 2 Specifications

| 2-1 Technical Specifications |                   |           |           |                                      | 3MXM40N                  |            | 3MXM52N |       | 3MXM68N |            |  |
|------------------------------|-------------------|-----------|-----------|--------------------------------------|--------------------------|------------|---------|-------|---------|------------|--|
| Casing                       | Colour            |           |           |                                      | Ivory white              |            |         |       |         |            |  |
| Dimensions                   | Unit              | Height    |           | mm                                   | 734                      |            |         |       |         |            |  |
|                              |                   | Width     |           | mm                                   | 958                      |            |         |       |         |            |  |
|                              |                   | Depth     |           | mm                                   | 340                      |            |         |       |         |            |  |
|                              | Packed unit       | Height    |           | mm                                   | 820                      |            |         |       |         |            |  |
|                              |                   | Width     |           | mm                                   | 1,050                    |            |         |       |         |            |  |
|                              |                   | Depth     |           | mm                                   | 480                      |            | 840     |       |         |            |  |
| Weight                       | Unit              |           |           | kg                                   | 57                       |            |         |       | 62      |            |  |
|                              | Packed unit       |           |           | kg                                   | 61                       |            |         |       | 66      |            |  |
| Packing                      | Weight            |           |           | kg                                   | 4                        |            |         |       |         |            |  |
| Heat exchanger               | Length            |           | mm        |                                      | 920 / 0                  |            | 920     |       |         |            |  |
|                              | Rows              |           | Quantity  |                                      | 2                        |            |         |       |         |            |  |
|                              | Fin pitch         |           |           | mm                                   | 1.4                      |            |         |       |         |            |  |
|                              | Stages            |           | Quantity  |                                      | 32                       |            |         |       |         |            |  |
|                              | Tube type         |           |           |                                      | ø8 Hi-XA                 |            |         |       |         |            |  |
|                              | Fin               | Type      |           |                                      | WHS8 FIN-HYDROPHILIC     |            |         |       |         |            |  |
|                              |                   | Treatment |           |                                      | Anti-corrosion treatment |            |         |       |         |            |  |
|                              | Compressor        | Model     |           |                                      |                          | 2YC40JXD#C |         |       |         | 2YC71DXD#C |  |
| Type                         |                   |           |           | Hermetically sealed swing compressor |                          |            |         |       |         |            |  |
| Output                       |                   |           | W         | 1,300                                |                          |            |         | 2,400 |         |            |  |
| Fan                          | Type              |           |           |                                      | Propeller                |            |         |       |         |            |  |
|                              | Air flow rate     | Cooling   | High      | m³/min                               | 42                       |            |         |       | 46.5    |            |  |
|                              |                   |           |           | cfm                                  | 1,483                    |            |         |       | 1,642   |            |  |
|                              |                   |           | Nom.      | m³/min                               | 42                       |            |         |       | 42.5    |            |  |
|                              |                   |           |           | cfm                                  | 1,483                    |            |         |       | 1,501   |            |  |
|                              |                   |           | Super low | m³/min                               | 24                       |            |         |       | 24.1    |            |  |
|                              |                   |           |           | cfm                                  | 847                      |            |         |       | 851     |            |  |
|                              |                   | Heating   | High      | m³/min                               | 41                       |            |         |       | 43.8    |            |  |
|                              |                   |           |           | cfm                                  | 1,447                    |            |         |       | 1,547   |            |  |
|                              |                   |           | Nom.      | m³/min                               | 41                       |            |         |       | 43.8    |            |  |
|                              |                   |           |           | cfm                                  | 1,447                    |            |         |       | 1,547   |            |  |
|                              |                   |           | Super low | m³/min                               | 24                       |            |         |       | 24.1    |            |  |
|                              |                   |           |           | cfm                                  | 847                      |            |         |       | 851     |            |  |
|                              | Power consumption | Cooling   | Standard  | W                                    | 773                      |            | 1,093   |       | -       |            |  |
|                              |                   |           |           | W                                    | 865                      |            | 1,394   |       | -       |            |  |
|                              | Fan motor         | Model     |           |                                      |                          | D55F-31    |         |       |         |            |  |
| Output                       |                   |           | W         | 55                                   |                          |            |         |       |         |            |  |
| Speed                        |                   | Cooling   | High      | rpm                                  | 700                      |            |         |       | 760     |            |  |
|                              |                   |           | Nom.      | rpm                                  | 700                      |            |         |       |         |            |  |
|                              |                   |           | Low       | rpm                                  | -                        |            |         |       | 420     |            |  |
|                              |                   |           | Super low | rpm                                  | 420                      |            |         |       | -       |            |  |
|                              |                   | Heating   | High      | rpm                                  | 680                      |            |         |       | 720     |            |  |
|                              |                   |           | Nom.      | rpm                                  | 680                      |            |         |       | 720     |            |  |
|                              |                   |           | Low       | rpm                                  | -                        |            |         |       | 420     |            |  |
|                              |                   |           | Super low | rpm                                  | 420                      |            |         |       | -       |            |  |
| Sound power level            | Cooling           |           |           | dBA                                  | 59                       |            |         |       | 61      |            |  |
|                              | Heating           |           |           | dBA                                  | 59                       |            |         |       | 61      |            |  |
| Sound pressure level         | Cooling           |           | Nom.      |                                      | dBA                      | 46         |         |       |         | 48         |  |
|                              | Heating           |           | Nom.      |                                      | dBA                      | 47         |         |       |         | 48         |  |
| Operation range              | Cooling           | Ambient   | Min.      | °CDB                                 | -10                      |            |         |       |         |            |  |
|                              |                   |           | Max.      | °CDB                                 | 46                       |            |         |       |         |            |  |
|                              | Heating           | Ambient   | Min.      | °CWB                                 | -15                      |            |         |       |         |            |  |
|                              |                   |           | Max.      | °CWB                                 | 18                       |            |         |       |         |            |  |

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| 2-1 Technical Specifications |                               |          |                     |      | 3MXM40N                                | 3MXM52N | 3MXM68N |
|------------------------------|-------------------------------|----------|---------------------|------|----------------------------------------|---------|---------|
| Refrigerant                  | Type                          |          |                     |      | R-32                                   |         |         |
|                              | Charge                        |          | kg                  | 1.80 |                                        | 2.00    |         |
|                              |                               |          | TCO <sub>2</sub> eq | 1.2  |                                        | 1.4     |         |
|                              | GWP                           |          |                     |      | 675                                    |         |         |
| Piping connections           | Liquid                        | Quantity |                     |      | 3                                      |         |         |
|                              |                               | OD       | mm                  |      | 6.35                                   |         |         |
|                              | Gas                           | Quantity |                     |      | 1                                      |         |         |
|                              |                               | OD       | mm                  |      | 9.5                                    |         |         |
|                              | Drain                         | ID       | mm                  |      | 16                                     |         |         |
|                              | Gas 2                         | Quantity |                     |      | 2                                      |         |         |
|                              |                               | OD       | mm                  |      | 12.7                                   |         |         |
|                              | Piping length                 | OU - IU  | Max.                | m    | 25                                     |         |         |
|                              | Additional refrigerant charge |          |                     | kg/m | 0.02 (for piping length exceeding 30m) |         |         |
|                              | Level difference              | IU - OU  | Max.                | m    | 15                                     |         |         |
|                              |                               | IU - IU  | Max.                | m    | 7.5                                    |         |         |
|                              | Heat insulation               |          |                     |      | Both liquid and gas pipes              |         |         |
|                              | Total piping length           | System   | Actual              | m    | 50                                     |         |         |
| Refrigerant oil              | Type                          |          |                     |      | FW68DA                                 |         |         |
|                              | Charged volume                |          |                     | l    | 0.65                                   |         | 0.90    |

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Screw bag; Quantity : 1;

Standard Accessories : Drain plug; Quantity : 1;

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

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

Standard Accessories : Reducer assembly; Quantity : 1;

| 2-2 Electrical Specifications |                               |         |   |    | 3MXM40N | 3MXM52N | 3MXM68N |
|-------------------------------|-------------------------------|---------|---|----|---------|---------|---------|
| Power supply                  | Name                          |         |   |    | V1      |         |         |
|                               | Phase                         |         |   |    | 1~      |         |         |
|                               | Frequency                     |         |   | Hz | 50      |         |         |
|                               | Voltage                       |         |   | V  | 220-240 |         |         |
| Current - 50Hz                | Maximum fuse amps (MFA)       |         |   | A  | 30      |         |         |
| Current                       | Nominal running current (RLA) | Cooling | A |    | 3.78    | 5.34    | 8.37    |
|                               |                               | Heating | A |    | 4.23    | 6.81    | 9.49    |
|                               | Starting current              | Cooling | A |    | 4.1     | 4.6     | 9.8     |
|                               |                               | Heating | A |    | 4.1     | 4.6     | 9.8     |
| Current - 60Hz                | Maximum fuse amps (MFA)       |         |   | A  | -       |         |         |

### Notes

Contains fluorinated greenhouse gases