

## CONDENSING UNIT SPECIFICATION SHEET

### Condensing Unit Details

|             |                    |
|-------------|--------------------|
| Model       | JEHR-0170-B2-M-3   |
| Application | Medium Temperature |

### Electrical Supply

400V / 3Ph / 50Hz

### Weights & Dimensions

|                |                         |
|----------------|-------------------------|
| Width          | 1101 mm                 |
| Depth          | 444 mm                  |
| Height         | 662 mm                  |
| Mounting Dims. | 703 mm (W) x 408 mm (D) |
| Weight (Dry)   | 68 kgs                  |

### Compressor Data

|                  |                        |
|------------------|------------------------|
| Type             | TAJ4519Z               |
| Swept Volume     | 6.00 m <sup>3</sup> /h |
| Oil Charge       | 0.48 litres            |
| Nom. Current (A) | 3.1                    |
| MCC (A)          | 4.8                    |
| LRC (A)          | 22.0                   |

### Fan Motors

|         |     |
|---------|-----|
| No.     | 1   |
| FLC (A) | 0.6 |

### Condenser Coil

|        |              |
|--------|--------------|
| Type   | Microchannel |
| Volume | 0.51 litres  |

### Liquid Receiver

|        |            |
|--------|------------|
| Volume | 4.5 litres |
|--------|------------|

### Airflow

|        |                        |
|--------|------------------------|
| Volume | 2700 m <sup>3</sup> /h |
|--------|------------------------|

### Applicable Refrigerants

R448A/R449A/R452A

### Unit Connections

|         |      |
|---------|------|
| Liquid  | 3/8" |
| Suction | 5/8" |

### Sound Pressure Level @ 10m (-10°C/+32°C)

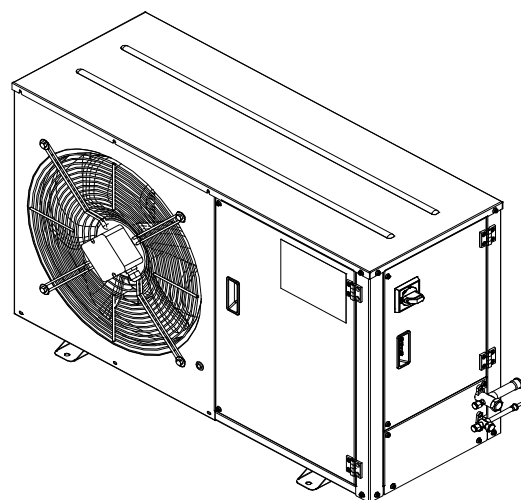
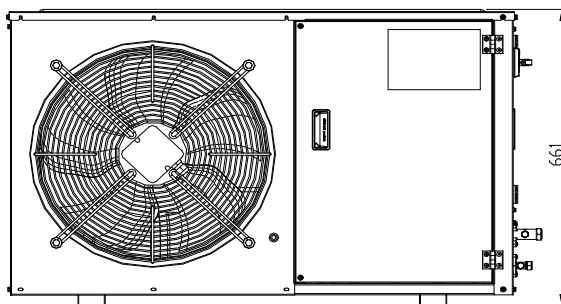
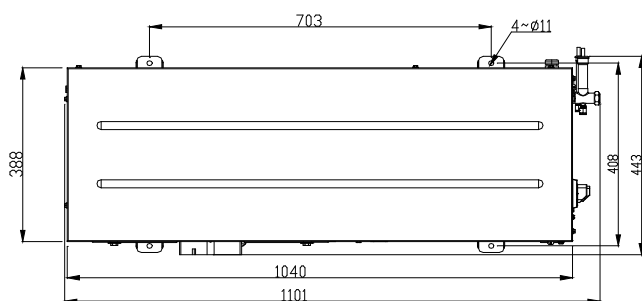
33 dB(A)

### Performance Data at -10°C/+32°C Conditions

|       | Capacity (W) 10K SH | Capacity (W) 20°C RGT |
|-------|---------------------|-----------------------|
| R448A | 2399                | 2572                  |
| R449A | 2399                | 2572                  |
| R452A | 2423                | 2688                  |

### 1/1 Octave Sound Pressure Levels @ 1 meter from the unit

| Frequency |        |        |       |       |       |       |         |
|-----------|--------|--------|-------|-------|-------|-------|---------|
| 125 Hz    | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | A (dBA) |
| 54.3      | 56.2   | 50.6   | 47.2  | 41.2  | 35.1  | 28.4  | 52.9    |



# Product Information based on the requirements of Commission Regulation EU 2015/1095

Model : JEHR-0170-B2-M-3

| Refrigerant fluid:                                              |                                                                                                                                               | R448A | R449A | R452A |      |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|------|
| Item                                                            | Symbol                                                                                                                                        | Value |       |       | Unit |
| Evaporating temperature*                                        | $t$                                                                                                                                           | -10   |       |       | °C   |
| Parameters at full load and ambient temperature 32 °C           |                                                                                                                                               |       |       |       |      |
| Rated cooling capacity                                          | $P_A$                                                                                                                                         | 2.57  | 2.57  | 2.69  | kW   |
| Rated power input                                               | $D_A$                                                                                                                                         | 1.46  | 1.46  | 1.55  | kW   |
| Rated COP                                                       | $COP_A$                                                                                                                                       | 1.76  | 1.76  | 1.73  |      |
| Parameters at full load and ambient temperature 25 °C           |                                                                                                                                               |       |       |       |      |
| Cooling capacity                                                | $P_2$                                                                                                                                         | 2.82  | 2.82  | 2.98  | kW   |
| Power input                                                     | $D_2$                                                                                                                                         | 1.40  | 1.40  | 1.50  | kW   |
| COP                                                             | $COP_2$                                                                                                                                       | 2.01  | 2.01  | 1.99  |      |
| Parameters at full load and ambient temperature 43 °C           |                                                                                                                                               |       |       |       |      |
| Cooling capacity                                                | $P_3$                                                                                                                                         | 2.20  | 2.20  | 2.26  | kW   |
| Power input                                                     | $D_3$                                                                                                                                         | 1.54  | 1.54  | 1.62  | kW   |
| COP                                                             | $COP_3$                                                                                                                                       | 1.43  | 1.43  | 1.39  |      |
| Other items                                                     |                                                                                                                                               |       |       |       |      |
| Capacity control                                                | Fixed                                                                                                                                         |       |       |       |      |
| Coefficient of degradation for fixed and staged capacity units* | $Cd$                                                                                                                                          | 0.25  |       |       |      |
| Contact details                                                 | Daikin Refrigeration Malaysia Sdn. Bhd.<br>Lot 10, Jalan Perusahaan 8, Kawasan Perusahaan Pekan Banting, 42700 Banting, Selangor Darul Ehsan. |       |       |       |      |

*Note: Published data based on condition - Return Gas Temperature 20° C*



6RC0170EM-FBBA-55