



| Minimum Evaporating Temp. With:  |  |
|--|--|
| <span style="color: pink;">—</span> 25 °C Suction Gas Return                               | <span style="color: yellow;">—</span> 10 K Suction Superheat |
| <span style="color: brown;">—</span> 25 °C Suction Gas Return with Voltage limit $\pm 0\%$ | <span style="color: red;">—</span> Maximum Pressure Limit    |
| <span style="color: blue;">—</span> Maximum Evaporating Temperature                        |  |

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

| Ambient<br>°C | Cooling Capacity, kW |       |       |      |      |      |      |      |      |      |
|---------------|----------------------|-------|-------|------|------|------|------|------|------|------|
|               | -20.0                | -15.0 | -10.0 | -5.0 | 0.0  | 5.0  | 7.0  | 10.0 | 12.5 | 15.0 |
| 27.0          | 2.47                 | 3.11  | 3.86  | 4.73 | 5.71 | 6.82 | 7.29 | 8.04 | 8.69 |      |
| 32.0          | 2.34                 | 2.94  | 3.66  | 4.48 | 5.42 | 6.47 | 6.92 | 7.63 | 8.24 |      |
| 38.0          |                      | 2.74  | 3.41  | 4.18 | 5.06 | 6.04 | 6.46 | 7.12 | 7.69 |      |
| 43.0          |                      |       | 3.20  | 3.93 | 4.75 | 5.67 | 6.06 | 6.68 | 7.21 |      |
| 46.0          |                      |       | 3.07  | 3.77 | 4.56 | 5.44 | 5.82 | 6.41 | 6.92 |      |
| 49.0          |                      |       |       | 3.61 | 4.36 | 5.21 | 5.57 | 6.13 | 6.63 |      |

50 Hz

MC-H8-ZB26KE-TFD

R134a

| Ambient<br>°C | Total Power Input, kW |       |       |      |      |      |      |      |      |      |
|---------------|-----------------------|-------|-------|------|------|------|------|------|------|------|
|               | -20.0                 | -15.0 | -10.0 | -5.0 | 0.0  | 5.0  | 7.0  | 10.0 | 12.5 | 15.0 |
| 27.0          | 1.52                  | 1.56  | 1.60  | 1.66 | 1.72 | 1.80 | 1.82 | 1.88 | 1.92 |      |
| 32.0          | 1.66                  | 1.70  | 1.75  | 1.81 | 1.88 | 1.96 | 1.99 | 2.04 | 2.09 |      |
| 38.0          |                       | 1.90  | 1.95  | 2.02 | 2.09 | 2.17 | 2.21 | 2.27 | 2.32 |      |
| 43.0          |                       |       | 2.14  | 2.21 | 2.29 | 2.38 | 2.42 | 2.47 | 2.53 |      |
| 46.0          |                       |       | 2.26  | 2.34 | 2.42 | 2.51 | 2.55 | 2.61 | 2.66 |      |
| 49.0          |                       |       |       | 2.47 | 2.56 | 2.65 | 2.69 | 2.75 | 2.81 |      |

| Ambient<br>°C | Current at 400 V, A |       |       |      |      |      |      |      |      |      |
|---------------|---------------------|-------|-------|------|------|------|------|------|------|------|
|               | -20.0               | -15.0 | -10.0 | -5.0 | 0.0  | 5.0  | 7.0  | 10.0 | 12.5 | 15.0 |
| 27.0          | 3.43                | 3.45  | 3.49  | 3.55 | 3.62 | 3.70 | 3.74 | 3.80 | 3.86 |      |
| 32.0          | 3.57                | 3.61  | 3.66  | 3.72 | 3.80 | 3.90 | 3.94 | 4.01 | 4.07 |      |
| 38.0          |                     | 3.83  | 3.89  | 3.97 | 4.07 | 4.17 | 4.22 | 4.29 | 4.36 |      |
| 43.0          |                     |       | 4.13  | 4.22 | 4.33 | 4.44 | 4.49 | 4.57 | 4.64 |      |
| 46.0          |                     |       | 4.28  | 4.39 | 4.50 | 4.62 | 4.68 | 4.76 | 4.83 |      |
| 49.0          |                     |       |       | 4.57 | 4.69 | 4.82 | 4.87 | 4.96 | 5.04 |      |

| Ambient<br>°C | Mass Flow, g/s |       |       |       |       |       |       |       |       |      |
|---------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|               | -20.0          | -15.0 | -10.0 | -5.0  | 0.0   | 5.0   | 7.0   | 10.0  | 12.5  | 15.0 |
| 27.0          | 14.40          | 18.35 | 23.10 | 28.90 | 35.70 | 43.80 | 47.40 | 53.20 | 58.50 |      |
| 32.0          | 14.25          | 18.15 | 22.90 | 28.70 | 35.50 | 43.50 | 47.10 | 53.00 | 58.30 |      |
| 38.0          |                | 17.90 | 22.70 | 28.40 | 35.20 | 43.20 | 46.70 | 52.60 | 57.80 |      |
| 43.0          |                |       | 22.40 | 28.10 | 34.80 | 42.80 | 46.30 | 52.10 | 57.40 |      |
| 46.0          |                |       | 22.30 | 27.90 | 34.60 | 42.50 | 46.10 | 51.90 | 57.10 |      |
| 49.0          |                |       |       | 27.70 | 34.30 | 42.20 | 45.80 | 51.50 | 56.80 |      |

### **CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

|                              |                |
|------------------------------|----------------|
| Condenser/Fan Type           | H8/271         |
| Number of Fans               | 1              |
| Total Fan Power Input, W     | 235            |
| Depth/Width, mm              | 680/735        |
| Height, mm                   | 533            |
| Base mounting (hole dia), mm | 700 x 370 (14) |
| Gross Weight, kg             | 77             |
| Net Weight, kg               | 62             |
| Receiver Capacity, l         | 7.9            |
| Liquid Line, inch            | 1/2            |
| Air Flow, m <sup>3</sup> /s  | 1              |
| Suction Type                 | Rotalock Valve |
| Suction Diameter, inch       | 7/8            |
| Sound Pressure @ 10m, dBA    | 49             |

### **CONDENSING UNIT ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)**

|  |            |
|--|------------|
| Condenser Fan Current for 1 fan (single phase) | 1.15 / 1.4 |
| Compressor Maximum Operating Current, A        | 8.9        |
| Compressor Locked Rotor Current, A             | 46         |

### **ACCESSORIES INCLUDED**

|                              |                |
|------------------------------|----------------|
| Crankcase Heater             | 70 W External  |
| Electric box (W x H x D), mm | 140 x 205 x 60 |
| HP/LP Switch                 | ALCO PS2-W7A   |

### **ACCESSORIES OPTIONAL**

|                   |                       |
|-------------------|-----------------------|
| Housing           | H                     |
| Fan speed control | ALCO FSX41S for R134a |
| Fan speed control | ALCO FSX42S           |

### **MOTOR OPTIONS**

| <b>Motor Code</b> | <b>Power Supply</b>    | <b>Nominal Voltage, V</b> | <b>Start Connection</b> | <b>DOL Connection</b> | <b>Amps Factor</b> |
|-------------------|------------------------|---------------------------|-------------------------|-----------------------|--------------------|
| TFD               | 380-420 V / 3~ / 50 Hz | 400                       |                         | Y                     | 1.00               |