



Minimum Evaporating Temp. With:	
— 25 °C Suction Gas Return	— 10 K Suction Superheat
— 25 °C Suction Gas Return with Voltage limit ± 0 %	— Maximum Pressure Limit
— Maximum Evaporating Temperature	

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °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	2.16	2.72	3.38	4.15	5.03	6.02	6.45	7.12	7.71	8.32
32.0	2.05	2.58	3.21	3.95	4.78	5.72	6.13	6.77	7.32	7.91
38.0		2.41	3.00	3.69	4.47	5.35	5.73	6.33	6.85	7.39
43.0			2.82	3.47	4.20	5.03	5.39	5.95	6.44	6.95
46.0			2.71	3.33	4.04	4.84	5.18	5.72	6.19	6.68
49.0				3.19	3.87	4.64	4.96	5.48	5.93	6.40

50 Hz

MC-H8-ZB21KE-TFD

R134a

Ambient °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	1.34	1.37	1.40	1.44	1.50	1.56	1.58	1.62	1.66	1.70
32.0	1.46	1.50	1.54	1.58	1.63	1.70	1.72	1.76	1.80	1.84
38.0		1.66	1.70	1.76	1.82	1.88	1.90	1.95	1.99	2.03
43.0			1.87	1.92	1.98	2.05	2.08	2.13	2.17	2.21
46.0			1.98	2.03	2.10	2.17	2.20	2.24	2.29	2.33
49.0				2.15	2.22	2.29	2.32	2.37	2.41	2.45

Ambient °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	2.96	2.98	3.01	3.05	3.10	3.16	3.19	3.24	3.28	3.33
32.0	3.08	3.11	3.15	3.20	3.26	3.33	3.36	3.41	3.45	3.50
38.0		3.30	3.35	3.41	3.48	3.56	3.59	3.65	3.70	3.75
43.0			3.54	3.61	3.69	3.78	3.82	3.88	3.93	3.99
46.0			3.68	3.75	3.84	3.93	3.97	4.04	4.09	4.15
49.0				3.91	4.00	4.10	4.14	4.21	4.26	4.32

Ambient °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	12.40	15.80	19.95	24.90	30.80	37.70	40.80	45.80	50.40	55.30
32.0	12.25	15.65	19.80	24.70	30.60	37.50	40.60	45.60	50.10	55.10
38.0		15.45	19.55	24.50	30.30	37.20	40.30	45.30	49.80	54.70
43.0			19.35	24.20	30.00	36.90	39.90	44.90	49.50	54.40
46.0			19.20	24.10	29.80	36.70	39.70	44.70	49.20	54.10
49.0				23.90	29.60	36.40	39.50	44.40	49.00	53.90

### **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	76
Net Weight, kg	61
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m <sup>3</sup> /s	1
High Side PS gauge, bar	31
Low Side PS gauge, bar	21
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	7.2
Compressor Locked Rotor Current, A	40

### **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