



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 20 °C Suction Gas Return
- Maximum Evaporating Temperature — Maximum Pressure Limit

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	1.88	2.42	3.04	3.73	4.51	5.38	6.35	6.76	7.42
32.0		2.26	2.84	3.50	4.23	5.05	5.95	6.34	6.95
38.0			2.58	3.19	3.86	4.61	5.44	5.80	6.36
43.0			2.33	2.89	3.51	4.21	4.98	5.30	5.82
46.0				2.70	3.29	3.95	4.68	4.99	5.48
49.0				2.49	3.05	3.67			

50 Hz

MC-H8-ZB15KE-TFD

R449A Dew Point

Ambient °C	Total Power Input, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	1.50	1.51	1.52	1.55	1.58	1.64	1.70	1.72	1.77
32.0		1.71	1.72	1.74	1.78	1.82	1.88	1.90	1.94
38.0			2.01	2.03	2.05	2.09	2.14	2.16	2.20
43.0			2.31	2.31	2.33	2.36	2.40	2.42	2.45
46.0				2.51	2.52	2.54	2.57	2.59	2.62
49.0				2.72	2.72	2.73			

Ambient °C	Current at 400 V, A								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	2.71	2.72	2.73	2.76	2.80	2.86	2.92	2.95	3.00
32.0		2.94	2.96	2.98	3.02	3.07	3.14	3.17	3.22
38.0			3.30	3.32	3.35	3.40	3.46	3.49	3.54
43.0			3.67	3.68	3.70	3.73	3.79	3.81	3.86
46.0				3.93	3.94	3.97	4.02	4.04	4.08
49.0				4.21	4.21	4.23			

Ambient °C	Mass Flow, g/s								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	10.35	13.50	17.20	21.50	26.60	32.60	39.60	42.70	47.90
32.0		13.20	16.90	21.20	26.20	32.10	39.00	42.20	47.30
38.0			16.35	20.60	25.50	31.30	38.10	41.20	46.20
43.0			15.65	19.80	24.60	30.30	37.00	40.10	45.10
46.0				19.20	24.00	29.60	36.20	39.30	44.20
49.0				18.45	23.20	28.70			

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	72
Net Weight, kg	57
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	1
Suction Type	Rotalock Valve
Suction Diameter, inch	3/4
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	4.9
Compressor Locked Rotor Current, A	26

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

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