



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 10 K Suction Superheat
- Maximum Evaporating Temperature
- 25 °C Suction Gas Return
- 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	2.17	2.70	3.28	3.94	4.65	5.44	6.28	6.64	7.18
32.0	1.96	2.45	3.00	3.60	4.27	4.99	5.77	6.10	6.60
38.0	1.66	2.13	2.63	3.18	3.78	4.43	5.13	5.43	5.88
43.0		1.84	2.30	2.80	3.35	3.94	4.58	4.85	5.26
46.0			2.09	2.57	3.08	3.64	4.24	4.49	4.88
49.0			1.88	2.33	2.81	3.33	3.89		

50 Hz

MC-H8-ZB15KE-TFD

R404A 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	1.62	1.64	1.66	1.66	1.68	1.70	1.74	1.76	1.80
32.0	1.83	1.85	1.86	1.86	1.86	1.88	1.91	1.93	1.96
38.0	2.15	2.16	2.15	2.14	2.13	2.14	2.16	2.17	2.20
43.0		2.48	2.46	2.43	2.40	2.39	2.40	2.41	2.43
46.0			2.67	2.63	2.59	2.57	2.56	2.56	2.58
49.0			2.91	2.85	2.80	2.76	2.74		

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	2.73	2.76	2.78	2.79	2.80	2.82	2.87	2.90	2.95
32.0	2.97	3.00	3.01	3.01	3.02	3.03	3.08	3.10	3.15
38.0	3.36	3.37	3.37	3.36	3.35	3.35	3.38	3.40	3.44
43.0		3.78	3.76	3.72	3.69	3.68	3.69	3.70	3.73
46.0			4.03	3.99	3.94	3.91	3.91	3.91	3.94
49.0			4.35	4.28	4.22	4.17	4.15		

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	15.35	19.35	24.10	29.50	35.80	43.20	51.80	55.60	61.80
32.0	14.60	18.65	23.30	28.70	34.90	42.20	50.70	54.50	60.70
38.0	13.50	17.55	22.20	27.50	33.60	40.80	49.20	52.90	59.10
43.0		16.35	21.00	26.20	32.30	39.30	47.70	51.40	57.60
46.0			20.10	25.30	31.30	38.40	46.70	50.50	56.70
49.0			19.15	24.30	30.30	37.30	45.70		

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