



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 25 °C Suction Gas Return
- 10 K Suction Superheat
- Maximum Evaporating Temperature
- Maximum Pressure Limit

Suction Return Temperature 20.0°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	3.20	3.88	4.65	5.49	6.42	7.41	8.47	8.90	9.58
32.0	2.95	3.59	4.29	5.07	5.91	6.82	7.79	8.20	8.82
38.0	2.65	3.21	3.84	4.53	5.28	6.09	6.96	7.32	7.87
43.0			3.44	4.06	4.73	5.46	6.24	6.56	
46.0			3.19	3.77	4.39				
49.0									

50 Hz

MC-H8-ZB21KE-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	2.26	2.33	2.40	2.47	2.56	2.64	2.74	2.78	2.84
32.0	2.52	2.59	2.66	2.74	2.82	2.91	3.00	3.04	3.10
38.0	2.86	2.94	3.01	3.09	3.17	3.26	3.35	3.39	3.45
43.0			3.34	3.42	3.50	3.59	3.67	3.71	
46.0			3.56	3.64	3.72				
49.0									

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	4.36	4.45	4.54	4.64	4.75	4.87	4.99	5.05	5.13
32.0	4.67	4.77	4.87	4.98	5.10	5.22	5.35	5.40	5.49
38.0	5.13	5.24	5.35	5.47	5.59	5.71	5.84	5.90	5.98
43.0			5.82	5.94	6.06	6.19	6.32	6.37	
46.0			6.14	6.26	6.38				
49.0									

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	23.10	28.60	35.20	42.80	51.70	62.20	74.40	79.90	88.90
32.0	22.70	28.10	34.60	42.10	50.90	61.20	73.40	78.90	87.90
38.0	22.10	27.40	33.70	41.00	49.70	59.90	72.10	77.70	86.80
43.0			32.80	40.00	48.60	58.80	71.10	76.70	
46.0			32.20	39.40	47.90				
49.0									

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
Gross Weight, kg	76
Net Weight, kg	61
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	1
Suction Type	Rotalock Valve
Suction Diameter, inch	7/8
Base mounting (hole dia), mm	700 x 370 (14)
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 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