



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	4.91	5.87	6.91	8.02	9.21	10.45	11.75	12.30	13.10
32.0	4.47	5.34	6.28	7.30	8.38	9.52	10.70		
38.0			5.51	6.40					
43.0									
46.0									
49.0									

50 Hz

MC-H8-ZB38KE-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	4.14	4.32	4.52	4.74	4.98	5.24	5.52	5.64	5.82
32.0	4.58	4.77	4.97	5.19	5.43	5.70	5.97		
38.0			5.56	5.79					
43.0									
46.0									
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	8.89	9.19	9.51	9.86	10.24	10.66	11.11	11.30	11.59
32.0	9.61	9.93	10.27	10.65	11.05	11.48	11.94		
38.0			11.36	11.75					
43.0									
46.0									
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	38.20	47.20	57.70	70.10	84.80	102.50	124.00	134.00	150.50
32.0	37.30	46.10	56.40	68.80	83.50	101.50	123.50		
38.0			54.80	67.10					
43.0									
46.0									
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	92
Net Weight, kg	77
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	12.8
Compressor Locked Rotor Current, A	65.5

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