



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified Liquid injection
- Maximum Evaporating Temperature — Maximum Pressure Limit

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	2.51	3.19	3.98	4.88	5.92	7.08	8.37	9.77
32.0	2.37	3.01	3.75	4.59	5.55	6.63	7.83	9.13
38.0	2.18	2.77	3.44	4.21	5.08	6.05	7.12	
43.0	2.02	2.55	3.16	3.86				
46.0	1.91	2.41						
49.0								

Ambient °C	Total Power Input, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	2.49	2.63	2.80	3.01	3.25	3.55	3.89	4.30
32.0	2.80	2.95	3.14	3.37	3.63	3.95	4.33	4.77
38.0	3.29	3.46	3.66	3.91	4.21	4.56	4.97	
43.0	3.80	3.99	4.21	4.48				
46.0	4.17	4.36						
49.0								

Ambient °C	Current at 400 V, A							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	4.91	5.05	5.23	5.46	5.75	6.10	6.52	7.02
32.0	5.25	5.41	5.62	5.88	6.20	6.58	7.05	7.61
38.0	5.81	5.99	6.23	6.53	6.89	7.33	7.85	
43.0	6.42	6.63	6.89	7.22				
46.0	6.87	7.09						
49.0								

Ambient °C	Mass Flow, g/s							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	13.85	17.80	22.50	28.20	34.90	42.80	52.10	63.00
32.0	13.70	17.60	22.30	27.80	34.40	42.20	51.40	62.20
38.0	13.45	17.30	21.90	27.30	33.70	41.30	50.30	
43.0	13.20	16.95	21.40	26.60				
46.0	13.00	16.70						
49.0								

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	M8/271
Number of Fans	1
Total Fan Power Input, W	235
Depth/Width, mm	730/735
Height, mm	708
Base mounting (hole dia), mm	700 x 390 (14)
Gross Weight, kg	103
Net Weight, kg	86
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	0.92
Suction Type	Rotalock Valve
Suction Diameter, inch	7/8
Sound Pressure @ 10m, dBA	50

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	10
Compressor Locked Rotor Current, A	64

ACCESSORIES INCLUDED

Crankcase Heater	70 W External
Liquid Injection	DTC Valve
Electric box (W x H x D), mm	140 x 205 x 60
HP/LP Switch	ALCO PS2-W7A

ACCESSORIES OPTIONAL

Housing	M
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
TFD	460 V / 3~ / 60 Hz	460		Y	1.04