



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified Liquid injection
- 25 °C Suction Gas Return 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	0.0	5.0	7.0
27.0	2.90	3.62	4.44	5.37	6.39	7.51	8.71	9.99	11.30	12.70	13.25
32.0	2.71	3.38	4.14	4.98	5.91	6.93	8.02	9.18	10.40	11.65	12.15
38.0	2.47	3.08	3.75	4.50	5.32	6.21	7.17	8.18	9.25		
43.0	2.27	2.82	3.42	4.08	4.80	5.59	6.43				
46.0	2.15	2.66			4.48	5.20					
49.0											

Ambient °C	Total Power Input, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	2.81	3.01	3.23	3.46	3.72	4.01	4.34	4.72	5.16	5.64	5.85
32.0	3.06	3.29	3.52	3.77	4.04	4.34	4.69	5.07	5.51	6.00	6.21
38.0	3.41	3.66	3.93	4.20	4.49	4.81	5.16	5.55	5.99		
43.0	3.73	4.02	4.31	4.61	4.91	5.25	5.61				
46.0	3.95	4.26			5.20	5.54					
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	0.0	5.0	7.0
27.0	6.48	6.62	6.75	6.88	7.07	7.34	7.74	8.31	9.12	10.22	10.76
32.0	6.64	6.79	6.94	7.13	7.38	7.73	8.24	8.95	9.90	11.16	11.76
38.0	6.88	7.08	7.30	7.57	7.93	8.42	9.08	9.95	11.10		
43.0	7.17	7.43	7.74	8.11	8.58	9.20	10.01				
46.0	7.40	7.72			9.08	9.78					
49.0											

Ambient °C	Mass Flow, g/s										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	20.50	26.00	32.60	40.40	49.50	60.10	72.50	86.90	104.00	124.00	133.00
32.0	20.30	25.80	32.30	39.90	48.80	59.30	71.40	85.80	102.50	123.00	132.50
38.0	20.10	25.60	31.90	39.30	48.00	58.20	70.20	84.40	101.50		
43.0	20.00	25.40	31.60	38.80	47.30	57.30	69.20				
46.0	19.90	25.30			46.90	56.80					
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