



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	3.45	4.35	5.34	6.45	7.67	9.02	10.50	12.10	13.85	15.70	16.45
32.0	3.16	4.02	4.96	5.98	7.12	8.36	9.73	11.20	12.80	14.50	15.20
38.0	2.77	3.59	4.45	5.39	6.41	7.53	8.75	10.05	11.50	13.05	13.70
43.0	2.39	3.17	3.98	4.84	5.77	6.79	7.89	9.09			
46.0	2.14	2.90	3.68		5.37	6.32					
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	3.43	3.58	3.77	3.98	4.22	4.49	4.81	5.16	5.55	5.98	6.17
32.0	3.85	4.00	4.18	4.39	4.63	4.91	5.22	5.57	5.97	6.41	6.60
38.0	4.51	4.65	4.82	5.02	5.26	5.53	5.84	6.20	6.59	7.04	7.23
43.0	5.23	5.36	5.51	5.70	5.92	6.18	6.49	6.83			
46.0	5.74	5.86	6.00		6.39	6.64					
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	6.11	6.30	6.54	6.84	7.19	7.60	8.08	8.64	9.26	9.97	10.28
32.0	6.37	6.59	6.86	7.18	7.57	8.01	8.53	9.11	9.78	10.52	10.84
38.0	6.85	7.10	7.40	7.76	8.17	8.65	9.20	9.83	10.53	11.31	11.65
43.0	7.41	7.68	8.01	8.39	8.83	9.33	9.91	10.56			
46.0	7.84	8.12	8.46		9.30	9.82					
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	24.20	31.10	38.90	48.00	58.70	71.20	85.90	103.50	124.00	149.50	161.00
32.0	23.60	30.60	38.40	47.50	58.00	70.40	85.00	102.50	123.50	149.00	160.50
38.0	22.50	29.60	37.60	46.60	57.10	69.40	84.00	101.50	123.00	149.50	162.00
43.0	21.00	28.50	36.60	45.70	56.20	68.50	83.20	101.00			
46.0	19.85	27.50	35.80		55.60	68.00					
49.0											

### **CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

Condenser/Fan Type	M9/611
Number of Fans	1
Total Fan Power Input, W	400
Depth/Width, mm	730/735
Height, mm	708
Base mounting (hole dia), mm	700 x 390 (14)
Gross Weight, kg	113
Net Weight, kg	95.5
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m <sup>3</sup> /s	1.24
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)	1.85 / 2.25
Compressor Maximum Operating Current, A	12.5
Compressor Locked Rotor Current, A	74

### **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**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04