



Minimum Evaporating Temp. With:

- 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	2.40	3.05	3.80	4.65	5.60	6.66	7.82	9.09	10.45	11.95	12.55
32.0	2.26	2.87	3.56	4.34	5.22	6.20	7.28	8.47	9.75	11.15	11.70
38.0	2.11	2.64	3.25	3.95	4.73	5.62	6.60	7.67	8.85	10.10	10.65
43.0	1.98	2.44	2.98	3.60	4.31	5.10	5.99	6.97	8.05	9.21	9.71
46.0	1.90	2.32	2.81	3.39	4.04	4.78	5.61	6.54	7.55	8.66	
49.0	1.83	2.20	2.64	3.16	3.76	4.45	5.23	6.09			

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	2.33	2.41	2.52	2.65	2.79	2.96	3.15	3.36	3.59	3.85	3.95
32.0	2.52	2.62	2.73	2.85	3.00	3.17	3.36	3.57	3.81	4.06	4.17
38.0	2.80	2.89	3.01	3.14	3.29	3.46	3.65	3.87	4.10	4.35	4.46
43.0	3.06	3.16	3.28	3.42	3.57	3.74	3.93	4.14	4.38	4.63	4.74
46.0	3.23	3.34	3.46	3.60	3.75	3.92	4.11	4.33	4.56	4.81	
49.0	3.42	3.53	3.65	3.79	3.95	4.12	4.31	4.52			

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	4.64	4.73	4.84	4.97	5.13	5.32	5.54	5.78	6.06	6.38	6.51
32.0	4.83	4.93	5.05	5.19	5.36	5.56	5.79	6.04	6.33	6.66	6.80
38.0	5.12	5.23	5.36	5.52	5.70	5.90	6.14	6.41	6.71	7.04	7.18
43.0	5.42	5.54	5.68	5.84	6.02	6.24	6.48	6.76	7.06	7.41	7.55
46.0	5.62	5.75	5.89	6.06	6.25	6.46	6.71	6.99	7.30	7.65	
49.0	5.85	5.98	6.12	6.29	6.49	6.71	6.96	7.24			

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	16.45	21.20	26.80	33.30	41.00	49.80	60.20	72.20	86.30	103.00	110.50
32.0	16.45	21.10	26.50	33.00	40.50	49.30	59.60	71.60	85.80	102.50	110.00
38.0	16.50	20.90	26.20	32.40	39.80	48.40	58.60	70.70	85.00	102.00	110.00
43.0	16.70	20.90	25.90	31.90	39.00	47.50	57.60	69.70	84.20	101.50	110.00
46.0	16.85	20.80	25.70	31.50	38.50	46.90	57.00	69.10	83.70	101.50	
49.0	17.10	20.90	25.50	31.10	38.00	46.20	56.20	68.40			

### 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

### **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	8
Compressor Locked Rotor Current, A	51.5

### **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**

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