



Minimum Evaporating Temp. With:

- 10 K Suction Superheat     — 20 °C Suction Gas Return
- Maximum Evaporating Temperature     — Maximum Pressure Limit

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	4.62	5.76	7.11	8.66	10.40	12.35	13.15	14.40	15.50	16.65
32.0	4.29	5.37	6.65	8.12	9.76	11.55	12.35	13.55	14.55	15.60
38.0		4.90	6.09	7.45	8.97	10.65	11.35	12.45	13.40	14.35
43.0			5.61	6.87	8.28	9.83	10.50	11.50	12.40	13.30
46.0				6.52	7.87	9.34	9.97	10.95	11.80	12.65
49.0				6.17	7.44	8.84	9.44	10.35	11.15	12.00

Additional restrictions, please see application guidelines

Ambient °C	Total Power Input, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	2.72	2.77	2.82	2.89	2.98	3.09	3.14	3.22	3.30	3.38
32.0	2.98	3.04	3.10	3.17	3.26	3.36	3.41	3.49	3.57	3.65
38.0		3.39	3.46	3.54	3.63	3.73	3.78	3.86	3.93	4.01
43.0			3.79	3.88	3.97	4.07	4.12	4.19	4.26	4.33
46.0				4.09	4.18	4.29	4.33	4.41	4.47	4.55
49.0				4.32	4.41	4.52	4.56	4.63	4.70	4.77

Ambient °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	6.53	6.58	6.65	6.74	6.85	7.00	7.07	7.18	7.28	7.40
32.0	6.88	6.94	7.01	7.10	7.22	7.36	7.42	7.53	7.63	7.74
38.0		7.40	7.49	7.58	7.70	7.84	7.91	8.01	8.11	8.22
43.0			7.92	8.03	8.15	8.30	8.37	8.48	8.57	8.68
46.0				8.32	8.46	8.61	8.67	8.78	8.89	8.99
49.0				8.64	8.78	8.94	9.01	9.12	9.22	9.33

Ambient °C	Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	30.60	38.70	48.70	60.70	74.90	91.60	99.00	111.00	122.00	133.50
32.0	29.80	38.00	47.90	59.90	74.00	90.50	97.90	110.00	120.50	132.50
38.0		37.00	46.80	58.70	72.60	89.00	96.30	108.00	119.00	130.50
43.0			45.80	57.50	71.30	87.50	94.80	106.50	117.50	129.00
46.0				56.70	70.40	86.50	93.80	105.50	116.00	128.00
49.0				55.90	69.50	85.50	92.70	104.50	115.00	126.50

Additional restrictions, please see application guidelines

### **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
High Side PS gauge, bar	31
Low Side PS gauge, bar	21
Suction Type	Rotalock Valve
Suction Diameter, inch	7/8
Sound Pressure @ 10m, dBA	49

### **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	13.1
Compressor Locked Rotor Current, A	74

### **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	M
Fan speed control	ALCO FSX41S for R134a
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

Additional restrictions, please see application guidelines