



Minimum Evaporating Temp. With:	
— 25 °C Suction Gas Return	— 10 K Suction Superheat
— 25 °C Suction Gas Return with Voltage limit ± 0 %	— 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	4.39	5.48	6.75	8.22	9.90	11.80	12.60	13.90	15.00	16.20
32.0	4.13	5.17	6.39	7.79	9.38	11.15	11.95	13.15	14.25	15.35
38.0		4.79	5.93	7.24	8.73	10.40	11.15	12.25	13.25	14.30
43.0			5.53	6.77	8.17	9.75	10.45	11.50	12.45	13.45
46.0			5.29	6.48	7.83	9.34	10.00	11.05	11.95	12.90
49.0				6.18	7.48	8.93	9.56	10.55	11.45	12.35

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	2.57	2.65	2.73	2.83	2.95	3.08	3.13	3.22	3.30	3.38
32.0	2.81	2.90	2.99	3.10	3.22	3.36	3.42	3.51	3.60	3.69
38.0		3.24	3.35	3.47	3.60	3.75	3.81	3.91	4.00	4.10
43.0			3.69	3.81	3.95	4.11	4.18	4.29	4.38	4.48
46.0			3.91	4.04	4.19	4.35	4.42	4.53	4.63	4.74
49.0				4.29	4.44	4.61	4.68	4.79	4.90	5.01

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	6.40	6.46	6.53	6.62	6.73	6.88	6.95	7.06	7.17	7.29
32.0	6.63	6.71	6.79	6.90	7.03	7.19	7.27	7.39	7.51	7.64
38.0		7.07	7.18	7.31	7.46	7.64	7.73	7.87	7.99	8.13
43.0			7.57	7.72	7.89	8.09	8.18	8.33	8.47	8.61
46.0			7.84	8.00	8.18	8.39	8.49	8.64	8.78	8.94
49.0				8.31	8.50	8.72	8.82	8.98	9.13	9.29

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	25.40	32.20	40.30	50.00	61.60	75.30	81.50	91.60	100.50	110.50
32.0	25.00	31.70	39.90	49.60	61.10	74.80	81.00	91.10	100.50	110.50
38.0		31.10	39.20	48.90	60.40	74.00	80.20	90.30	99.50	109.50
43.0			38.50	48.10	59.60	73.20	79.40	89.40	98.70	109.00
46.0			38.10	47.70	59.00	72.60	78.80	88.90	98.20	108.50
49.0				47.10	58.50	72.00	78.20	88.30	97.60	108.00

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 ³ /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

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