



Minimum Evaporating Temp. With:

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

Suction Return Temperature 18.3°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	7.80	9.77	12.05	14.70	17.70	21.10	22.60	24.90	26.90	
32.0	7.32	9.23	11.45	13.95	16.85	20.10	21.50	23.70	25.60	
38.0	6.73	8.54	10.60	13.00	15.70	18.75	20.10	22.10	23.90	
43.0		7.93	9.89	12.15	14.70	17.55	18.80	20.70	22.40	
46.0		7.55	9.44	11.60	14.05	16.80	18.00	19.85	21.50	
49.0			8.98	11.05	13.40	16.00	17.15	18.95	20.50	

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	4.76	4.84	4.94	5.05	5.18	5.34	5.41	5.54	5.65	
32.0	5.11	5.22	5.33	5.46	5.61	5.79	5.87	6.00	6.12	
38.0	5.58	5.71	5.86	6.01	6.19	6.39	6.48	6.62	6.76	
43.0		6.17	6.34	6.52	6.72	6.94	7.04	7.20	7.34	
46.0		6.46	6.65	6.85	7.06	7.30	7.41	7.57	7.72	
49.0			6.98	7.19	7.43	7.68	7.79	7.97	8.13	

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	10.67	10.73	10.80	10.89	11.00	11.13	11.20	11.30	11.41	
32.0	10.94	11.03	11.13	11.24	11.38	11.54	11.61	11.74	11.85	
38.0	11.34	11.46	11.60	11.75	11.92	12.12	12.21	12.36	12.50	
43.0		11.89	12.07	12.25	12.46	12.70	12.80	12.97	13.12	
46.0		12.18	12.38	12.59	12.82	13.08	13.20	13.38	13.55	
49.0			12.72	12.96	13.22	13.50	13.62	13.82	14.00	

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	51.10	64.80	81.20	100.50	124.00	151.00	163.50	183.00	201.00	
32.0	50.40	64.30	80.90	100.50	124.00	151.50	163.50	184.00	202.00	
38.0	49.20	63.30	80.00	99.80	123.50	151.00	163.50	184.00	202.00	
43.0		62.30	79.00	98.90	122.50	150.00	163.00	183.50	202.00	
46.0		61.50	78.30	98.10	121.50	149.50	162.00	183.00	202.00	
49.0			77.40	97.20	120.50	148.50	161.50	182.00	201.00	

Additional restrictions, please see application guidelines

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	V6/611
Number of Fans	2
Total Fan Power Input, W	800
Depth/Width, mm	820/1330
Height, mm	835
Base mounting (hole dia), mm	1295 x 475 (14)
Gross Weight, kg	184
Net Weight, kg	168
Receiver Capacity, l	15.8
Liquid Line, inch	3/4
Air Flow, m ³ /s	2.97
Suction Type	Rotalock Valve
Suction Diameter, inch	1 3/8
Sound Pressure @ 10m, dBA	55

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	20.4
Compressor Locked Rotor Current, A	118

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	V
Fan speed control	ALCO FSP150

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

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