



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	1.55	1.96	2.42	2.94	3.53	4.19	4.48	4.93	5.32	
32.0	1.40	1.80	2.23	2.73	3.28	3.90	4.17	4.59	4.96	
38.0		1.60	2.00	2.46	2.97	3.55	3.79	4.18	4.52	
43.0			1.80	2.23	2.71	3.24	3.47	3.84	4.15	
46.0			1.69	2.10	2.55	3.06	3.28	3.63	3.93	
49.0				1.96	2.39	2.88	3.09	3.42	3.71	

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	0.97	0.98	0.98	0.99	1.01	1.04	1.06	1.10	1.14	
32.0	1.08	1.10	1.10	1.10	1.12	1.14	1.16	1.20	1.24	
38.0		1.27	1.27	1.27	1.28	1.30	1.31	1.34	1.38	
43.0			1.44	1.44	1.44	1.45	1.46	1.48	1.52	
46.0			1.56	1.55	1.54	1.56	1.56	1.58	1.62	
49.0				1.68	1.67	1.67	1.68	1.70	1.72	

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	2.21	2.21	2.22	2.23	2.25	2.30	2.33	2.38	2.42	
32.0	2.35	2.35	2.35	2.36	2.38	2.42	2.44	2.48	2.53	
38.0		2.55	2.54	2.54	2.55	2.58	2.60	2.64	2.68	
43.0			2.75	2.74	2.74	2.76	2.77	2.80	2.83	
46.0			2.90	2.88	2.87	2.88	2.89	2.92	2.95	
49.0				3.05	3.03	3.03	3.04	3.06	3.08	

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	10.30	13.25	16.65	20.70	25.50	31.10	33.70	37.90	41.70	
32.0	9.84	12.75	16.15	20.20	24.90	30.50	33.00	37.20	41.00	
38.0		12.10	15.45	19.40	24.10	29.60	32.20	36.30	40.10	
43.0			14.80	18.75	23.30	28.80	31.30	35.40	39.20	
46.0			14.40	18.30	22.90	28.30	30.80	34.90	38.70	
49.0				17.85	22.40	27.80	30.30	34.40	38.10	

Additional restrictions, please see application guidelines

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	D8/121
Number of Fans	1
Total Fan Power Input, W	110
Depth/Width, mm	570/560
Height, mm	446
Base mounting (hole dia), mm	530 x 330 (11)
Gross Weight, kg	58
Net Weight, kg	48
Receiver Capacity, l	3.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	0.44
Suction Type	Rotalock Valve
Suction Diameter, inch	3/4
Sound Pressure @ 10m, dBA	46

CONDENSING UNIT ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Condenser Fan Current for 1 fan (single phase)	0.45 / 0.65
Compressor Maximum Operating Current, A	4.9
Compressor Locked Rotor Current, A	26

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	BD
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

Additional restrictions, please see application guidelines