



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	1.20	1.51	1.85	2.23	2.66	3.13	3.65	4.22	4.83	5.48	5.75
32.0	1.14	1.43	1.74	2.10	2.48	2.91	3.39	3.90	4.45	5.04	5.29
38.0	1.04	1.32	1.60	1.92	2.26	2.64	3.05	3.50	3.98	4.49	4.71
43.0	0.96	1.21	1.48	1.76	2.06	2.39	2.75	3.14	3.56		
46.0	0.89	1.14	1.38	1.64	1.92	2.23	2.56				
49.0											

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	1.28	1.34	1.42	1.50	1.60	1.71	1.84	1.98	2.15	2.34	2.42
32.0	1.41	1.48	1.56	1.64	1.74	1.86	1.99	2.14	2.31	2.51	2.59
38.0	1.62	1.68	1.76	1.86	1.96	2.08	2.21	2.36	2.54	2.74	2.83
43.0	1.82	1.90	1.98	2.07	2.18	2.30	2.43	2.59	2.77		
46.0	1.98	2.05	2.13	2.22	2.33	2.45	2.58				
49.0											

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	2.49	2.55	2.63	2.73	2.84	2.98	3.14	3.33	3.55	3.80	3.91
32.0	2.63	2.70	2.79	2.89	3.01	3.16	3.33	3.53	3.76	4.02	4.14
38.0	2.86	2.94	3.03	3.15	3.28	3.43	3.61	3.82	4.07	4.34	4.46
43.0	3.11	3.20	3.30	3.42	3.55	3.72	3.90	4.12	4.37		
46.0	3.30	3.38	3.49	3.61	3.75	3.91	4.11				
49.0											

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	8.44	10.75	13.35	16.45	20.10	24.40	29.40	35.30	42.40	50.80	54.60
32.0	8.47	10.80	13.45	16.50	20.00	24.20	29.20	35.00	42.00	50.40	54.20
38.0	8.45	10.80	13.45	16.45	19.95	24.00	28.80	34.50	41.40	49.90	53.80
43.0	8.34	10.80	13.40	16.35	19.75	23.70	28.40	34.10	41.00		
46.0	8.23	10.70	13.35	16.30	19.60	23.50	28.20				
49.0											

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	D8/121
Number of Fans	1
Total Fan Power Input, W	110
Depth/Width, mm	560/570
Height, mm	443
Gross Weight, kg	65
Net Weight, kg	57
Receiver Capacity, l	3.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	0.44
Suction Diameter, inch	3/4
Sound Pressure @ 10m, dBA	47

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	5
Compressor Locked Rotor Current, A	26

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	BD
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
TFD	460 V / 3~ / 60 Hz	460		Y	1.04