



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	2.70	3.35	4.14	5.06	6.10	7.25	7.74	8.51	9.17	
32.0	2.51	3.13	3.88	4.75	5.73	6.81	7.27	7.99	8.61	
38.0		2.86	3.55	4.36	5.27	6.27	6.69	7.35	7.92	
43.0			3.28	4.03	4.87	5.80	6.19	6.80	7.33	
46.0			3.11	3.82	4.63	5.52	5.89	6.47	6.98	
49.0				3.62	4.39	5.23	5.58	6.14	6.62	

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	1.61	1.64	1.66	1.70	1.76	1.82	1.86	1.90	1.96	
32.0	1.78	1.80	1.84	1.88	1.93	1.99	2.02	2.07	2.12	
38.0		2.03	2.07	2.11	2.16	2.22	2.25	2.30	2.34	
43.0			2.28	2.33	2.38	2.44	2.47	2.51	2.55	
46.0			2.42	2.47	2.52	2.58	2.61	2.65	2.69	
49.0				2.62	2.67	2.73	2.76	2.80	2.84	

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	3.92	3.94	3.98	4.03	4.10	4.19	4.23	4.29	4.35	
32.0	4.13	4.16	4.19	4.24	4.30	4.38	4.42	4.48	4.54	
38.0		4.43	4.47	4.52	4.58	4.66	4.70	4.76	4.81	
43.0			4.74	4.79	4.85	4.93	4.97	5.03	5.08	
46.0			4.91	4.97	5.04	5.12	5.15	5.21	5.27	
49.0				5.17	5.24	5.32	5.35	5.42	5.47	

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	18.00	22.60	28.40	35.50	43.90	53.80	58.20	65.30	71.70	
32.0	17.55	22.20	28.00	35.00	43.40	53.20	57.60	64.60	71.00	
38.0		21.60	27.40	34.40	42.70	52.40	56.70	63.70	70.10	
43.0			26.80	33.70	42.00	51.60	55.90	62.90	69.20	
46.0			26.40	33.30	41.50	51.10	55.40	62.30	68.60	
49.0				32.90	41.00	50.60	54.80	61.70	68.10	

Additional restrictions, please see application guidelines

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	K9/121
Number of Fans	2
Total Fan Power Input, W	220
Depth/Width, mm	640/950
Height, mm	454
Base mounting (hole dia), mm	915 x 380 (14)
Gross Weight, kg	88
Net Weight, kg	68
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	0.89
Suction Type	Rotalock Valve
Suction Diameter, inch	7/8
Sound Pressure @ 10m, dBA	48

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	8.9
Compressor Locked Rotor Current, A	46

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	FK
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