



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	6.64	8.30	10.20	12.40	14.90	17.65	18.85	20.70	22.40	
32.0	6.23	7.83	9.66	11.75	14.10	16.70	17.85	19.60	21.20	
38.0	5.71	7.22	8.94	10.90	13.10	15.55	16.55	18.20	19.65	
43.0		6.68	8.31	10.15	12.20	14.45	15.45	17.00	18.35	
46.0		6.35	7.91	9.67	11.65	13.80	14.75	16.20	17.50	
49.0			7.51	9.18	11.05	13.15	14.05	15.45	16.65	

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	3.93	3.99	4.08	4.19	4.34	4.52	4.61	4.75	4.88	
32.0	4.26	4.33	4.43	4.55	4.71	4.90	4.99	5.14	5.27	
38.0	4.69	4.78	4.89	5.03	5.20	5.41	5.50	5.66	5.80	
43.0		5.21	5.33	5.48	5.67	5.89	5.99	6.15	6.30	
46.0		5.49	5.62	5.78	5.97	6.20	6.30	6.47	6.63	
49.0			5.93	6.10	6.30	6.53	6.64	6.81	6.97	

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	9.46	9.51	9.58	9.67	9.80	9.96	10.04	10.17	10.30	
32.0	9.73	9.79	9.87	9.98	10.12	10.31	10.40	10.54	10.68	
38.0	10.12	10.20	10.30	10.43	10.60	10.82	10.92	11.08	11.24	
43.0		10.62	10.74	10.89	11.09	11.32	11.44	11.62	11.79	
46.0		10.91	11.05	11.21	11.42	11.67	11.79	11.99	12.17	
49.0			11.38	11.56	11.78	12.06	12.18	12.39	12.58	

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	44.00	55.70	69.70	86.40	106.00	129.00	139.50	156.50	172.00	
32.0	43.30	55.20	69.30	86.00	105.50	129.00	139.50	156.50	172.00	
38.0	42.30	54.30	68.40	85.10	105.00	128.00	138.50	155.50	171.00	
43.0		53.30	67.40	84.10	104.00	127.00	137.50	154.50	170.50	
46.0		52.50	66.70	83.40	103.00	126.00	136.50	154.00	169.50	
49.0			65.90	82.50	102.00	125.50	136.00	153.00	168.50	

Additional restrictions, please see application guidelines

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	V9/271
Number of Fans	2
Total Fan Power Input, W	470
Depth/Width, mm	820/1330
Height, mm	821
Base mounting (hole dia), mm	1295 x 475 (14)
Gross Weight, kg	176
Net Weight, kg	150
Receiver Capacity, l	15.8
Liquid Line, inch	3/4
Air Flow, m ³ /s	2.18
Suction Type	Rotalock Valve
Suction Diameter, inch	1 3/8
Sound Pressure @ 10m, dBA	50

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

Condenser Fan Current for 1 fan (single phase)	1.15 / 1.4
Compressor Maximum Operating Current, A	17.5
Compressor Locked Rotor Current, A	111

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 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

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