



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	6.25	7.85	9.78	12.05	14.60	17.50	18.75	20.70	22.40	24.20
32.0	5.87	7.39	9.23	11.40	13.85	16.60	17.80	19.70	21.30	23.10
38.0		6.83	8.54	10.55	12.90	15.50	16.65	18.40	20.00	21.60
43.0		6.36	7.97	9.87	12.05	14.55	15.65	17.30	18.80	20.40
46.0			7.62	9.45	11.55	13.95	15.00	16.65	18.10	19.60
49.0			7.27	9.02	11.05	13.35	14.40	15.95	17.35	18.85

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	3.67	3.70	3.81	3.96	4.14	4.32	4.39	4.48	4.54	4.59
32.0	4.02	4.07	4.18	4.34	4.53	4.71	4.78	4.87	4.93	4.98
38.0		4.55	4.68	4.85	5.04	5.23	5.30	5.39	5.46	5.50
43.0		4.97	5.12	5.31	5.51	5.71	5.78	5.88	5.94	5.99
46.0			5.40	5.60	5.81	6.01	6.09	6.19	6.25	6.30
49.0			5.69	5.90	6.12	6.33	6.41	6.51	6.58	6.63

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	9.18	9.33	9.47	9.60	9.71	9.80	9.83	9.88	9.91	9.93
32.0	9.46	9.62	9.78	9.92	10.04	10.15	10.19	10.24	10.28	10.32
38.0		10.02	10.20	10.37	10.52	10.65	10.70	10.77	10.82	10.87
43.0		10.40	10.61	10.80	10.98	11.14	11.20	11.29	11.36	11.42
46.0			10.88	11.09	11.29	11.47	11.54	11.64	11.71	11.79
49.0			11.17	11.40	11.62	11.82	11.90	12.01	12.10	12.18

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	41.80	51.80	63.80	77.90	94.10	112.50	120.50	132.50	144.00	155.50
32.0	41.30	51.20	63.20	77.30	93.50	111.50	119.50	132.00	143.00	155.00
38.0		50.50	62.40	76.40	92.50	111.00	118.50	131.00	142.00	154.00
43.0		49.80	61.60	75.50	91.50	109.50	117.50	130.00	141.00	153.00
46.0			61.10	74.90	90.80	109.00	117.00	129.50	140.50	152.00
49.0			60.60	74.20	90.10	108.50	116.00	128.50	140.00	151.50

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

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00