



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 10 K Suction Superheat
- Maximum Evaporating Temperature
- Maximum Pressure Limit

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	7.82	9.80	11.95	14.20	16.60	19.15	21.90	23.00	24.70
32.0	6.97	8.89	10.90	13.05	15.30	17.65	20.10	21.20	22.70
38.0		7.69	9.60	11.55	13.65	15.75	18.00	18.95	20.30
43.0			8.41	10.25	12.15	14.10			
46.0				9.43	11.25				
49.0									

Ambient °C	Total Power Input, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	5.57	5.79	6.02	6.26	6.51	6.79	7.08	7.20	7.39
32.0	6.18	6.40	6.63	6.88	7.13	7.41	7.69	7.81	8.00
38.0		7.26	7.49	7.73	7.98	8.24	8.52	8.63	8.81
43.0			8.30	8.54	8.78	9.03			
46.0				9.07	9.30				
49.0									

Ambient °C	Current at 400 V, A								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	10.80	11.02	11.25	11.50	11.77	12.06	12.38	12.52	12.73
32.0	11.42	11.65	11.90	12.16	12.44	12.75	13.08	13.21	13.43
38.0		12.58	12.85	13.12	13.41	13.72	14.05	14.19	14.41
43.0			13.79	14.07	14.37	14.67			
46.0				14.72	15.01				
49.0									

Ambient °C	Mass Flow, g/s								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	57.20	73.60	92.10	113.50	137.50	166.00	199.50	214.00	239.00
32.0	54.10	70.90	89.80	111.00	135.50	164.00	197.50	213.00	237.00
38.0		66.70	86.00	107.50	132.50	161.00	195.00	210.00	236.00
43.0			81.90	104.00	129.00	158.50			
46.0				101.50	127.00				
49.0									

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	S9/271
Number of Fans	2
Total Fan Power Input, W	470
Depth/Width, mm	820/1130
Height, mm	703
Base mounting (hole dia), mm	1095 x 475 (14)
Gross Weight, kg	134
Net Weight, kg	113
Receiver Capacity, l	11.7
Liquid Line, inch	5/8
Air Flow, m ³ /s	1.94
Suction Type	Rotalock Valve
Suction Diameter, inch	1 3/8

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	15.6
Compressor Locked Rotor Current, A	95

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	RSQR
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