



Minimum Evaporating Temp. With:

- █ 20 °C Suction Gas Return Liquid injection
- █ Maximum Evaporating Temperature
- █ Maximum Pressure Limit
- █ Voltage limit -5% above -4°C

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	5.70	7.16	8.81	10.65	12.65	14.90	17.30	19.90	22.60	25.50	
32.0	5.30	6.68	8.21	9.91	11.80	13.80	16.00	18.40			
38.0	4.83	6.09	7.48	9.00	10.65	12.45	14.40				
43.0	4.42	5.58	6.84	8.21							
46.0	4.17	5.27									
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	4.92	5.25	5.64	6.09	6.59	7.16	7.80	8.50	9.27	10.10	
32.0	5.27	5.63	6.05	6.53	7.07	7.67	8.34	9.08			
38.0	5.73	6.13	6.59	7.11	7.69	8.34	9.05				
43.0	6.15	6.59	7.09	7.65							
46.0	6.42	6.88									
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	10.66	11.11	11.64	12.28	13.02	13.86	14.81	15.88	17.08	18.40	
32.0	11.13	11.63	12.22	12.92	13.71	14.62	15.64	16.78			
38.0	11.76	12.33	13.00	13.78	14.65	15.64	16.74				
43.0	12.36	13.00	13.74	14.58							
46.0	12.75	13.43									
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	40.20	51.40	64.60	80.10	98.20	119.50	144.50	174.00	209.00	252.00	
32.0	39.70	51.00	64.10	79.40	97.30	118.50	143.00	172.50			
38.0	39.00	50.30	63.30	78.40	96.00	117.00	141.50				
43.0	38.50	49.80	62.60	77.50							
46.0	38.20	49.50									
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	1130/720
Height, mm	703
Gross Weight, kg	161
Net Weight, kg	141
Receiver Capacity, l	11.7
Liquid Line, inch	5/8
Air Flow, m ³ /s	1.94
Suction Diameter, inch	1 3/8
Sound Pressure @ 10m, dBA	55

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	25
Compressor Locked Rotor Current, A	100

ACCESSORIES INCLUDED

Crankcase Heater	70 W External
Liquid Injection	Capillary Tube
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 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
TWD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TWD	460 V / 3~ / 60 Hz	460		Y	1.04