



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	4.49	5.59	6.86	8.31	9.96	11.80	13.85	16.10	18.55	21.20	22.30
32.0	4.20	5.24	6.42	7.77	9.30	11.00	12.90	15.00	17.25	19.70	
38.0	3.85	4.81	5.88	7.10	8.46	10.00	11.70	13.60			
43.0	3.55	4.43	5.41	6.51	7.75	9.13					
46.0	3.36	4.19	5.12	6.15							
49.0	3.17										

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	3.59	3.90	4.23	4.57	4.93	5.31	5.71	6.14	6.60	7.10	7.31
32.0	3.83	4.15	4.50	4.85	5.23	5.63	6.05	6.51	6.99	7.51	
38.0	4.15	4.50	4.86	5.24	5.65	6.07	6.52	7.00			
43.0	4.46	4.83	5.21	5.62	6.04	6.49					
46.0	4.66	5.05	5.45	5.87							
49.0	4.89										

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	6.58	6.93	7.31	7.71	8.15	8.62	9.12	9.66	10.22	10.82	11.07
32.0	6.84	7.22	7.63	8.06	8.53	9.02	9.55	10.10	10.69	11.31	
38.0	7.21	7.63	8.07	8.54	9.04	9.57	10.12	10.70			
43.0	7.57	8.03	8.50	9.00	9.53	10.08					
46.0	7.82	8.29	8.79	9.31							
49.0	8.09										

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	31.00	39.20	49.00	60.60	74.30	90.60	110.00	132.50	159.50	192.00	207.00
32.0	30.80	39.00	48.60	60.10	73.70	89.80	109.00	131.50	158.50	191.50	
38.0	30.40	38.60	48.10	59.40	72.80	88.60	107.50	130.50			
43.0	30.10	38.20	47.70	58.80	71.90	87.70					
46.0	29.90	38.00	47.40	58.40							
49.0	29.70										

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	S9/271
Number of Fans	2
Total Fan Power Input, W	470
Depth/Width, mm	1130/680
Height, mm	703
Gross Weight, kg	137
Net Weight, kg	117
Receiver Capacity, l	11.7
Liquid Line, inch	5/8
Air Flow, m ³ /s	1.94
Suction Diameter, inch	1 1/8
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	16
Compressor Locked Rotor Current, A	102

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