



Minimum Evaporating Temp. With:

- █ 20 °C Suction Gas Return Liquid injection
- █ Maximum Evaporating Temperature
- █ Maximum Pressure Limit

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
27.0	3.91	4.99	6.26	7.73	9.43	11.35	13.50	15.90
32.0	3.70	4.73	5.93	7.32	8.91	10.70	12.75	15.00
38.0	3.43	4.39	5.51	6.79	8.26	9.92	11.80	13.85
43.0	3.19	4.10	5.14	6.33	7.68	9.22		
46.0	3.05	3.92	4.91	6.04				
49.0	2.90							

Ambient °C	Total Power Input, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	3.53	3.72	3.95	4.22	4.53	4.89	5.30	5.77
32.0	3.89	4.08	4.32	4.61	4.94	5.33	5.78	6.29
38.0	4.42	4.62	4.88	5.18	5.55	5.97	6.46	7.02
43.0	4.96	5.17	5.44	5.76	6.15	6.60		
46.0	5.34	5.56	5.83	6.17				
49.0	5.77							

Ambient °C	Current at 400 V, A							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	6.51	6.76	7.05	7.37	7.75	8.17	8.66	9.22
32.0	6.97	7.21	7.50	7.84	8.24	8.69	9.22	9.83
38.0	7.63	7.87	8.16	8.52	8.94	9.44	10.02	10.69
43.0	8.28	8.52	8.82	9.20	9.65	10.18		
46.0	8.72	8.97	9.28	9.67				
49.0	9.22							

Ambient °C	Mass Flow, g/s							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	21.30	27.50	34.90	43.80	54.50	67.10	82.00	99.50
32.0	21.10	27.30	34.70	43.50	54.00	66.50	81.30	98.70
38.0	20.80	26.90	34.30	43.00	53.40	65.70	80.30	97.70
43.0	20.50	26.60	33.90	42.50	52.70	64.90		
46.0	20.30	26.40	33.60	42.10				
49.0	20.10							

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