



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	5.56	6.94	8.50	10.25	12.25	14.45	15.45	16.95	18.25	
32.0	5.10	6.47	7.98	9.67	11.55	13.65	14.55	16.00	17.25	
38.0	4.48	5.83	7.30	8.91	10.70	12.65	13.50	14.80	15.95	
43.0		5.25	6.68	8.23	9.92	11.75	12.55	13.80	14.85	
46.0		4.87	6.29	7.80	9.43	11.20	11.95	13.15	14.20	
49.0			5.87	7.35	8.93	10.65	11.35	12.50	13.50	

Additional restrictions, please see application guidelines

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	2.80	2.90	3.00	3.11	3.22	3.35	3.40	3.49	3.57	
32.0	3.08	3.19	3.30	3.41	3.53	3.66	3.72	3.81	3.89	
38.0	3.48	3.60	3.72	3.84	3.96	4.10	4.16	4.25	4.33	
43.0		3.99	4.12	4.25	4.38	4.52	4.58	4.67	4.75	
46.0		4.25	4.39	4.53	4.66	4.80	4.86	4.96	5.04	
49.0			4.68	4.82	4.96	5.11	5.17	5.26	5.34	

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	7.56	7.62	7.69	7.77	7.86	7.96	8.00	8.07	8.14	
32.0	7.75	7.83	7.92	8.00	8.10	8.21	8.26	8.34	8.41	
38.0	8.06	8.16	8.26	8.37	8.48	8.60	8.66	8.75	8.82	
43.0		8.51	8.63	8.75	8.88	9.02	9.08	9.17	9.26	
46.0		8.77	8.89	9.03	9.16	9.31	9.37	9.47	9.56	
49.0			9.19	9.33	9.48	9.63	9.70	9.80	9.89	

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	36.60	46.30	57.70	71.00	86.60	105.00	113.50	126.50	139.00	
32.0	35.20	45.30	56.90	70.30	86.00	104.50	112.50	126.00	138.00	
38.0	32.90	43.60	55.50	69.20	84.90	103.50	111.50	125.00	137.00	
43.0		41.50	53.90	67.80	83.70	102.00	110.50	124.00	136.00	
46.0		39.90	52.60	66.70	82.80	101.50	109.50	123.00	135.50	
49.0			51.00	65.40	81.70	100.50	108.50	122.00	134.50	

Additional restrictions, please see application guidelines

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
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	14.6
Compressor Locked Rotor Current, A	100

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

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

Additional restrictions, please see application guidelines