



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	5.89	7.36	9.06	11.00	13.20	15.60	16.65	18.30	19.75	
32.0	5.52	6.94	8.56	10.40	12.50	14.80	15.75	17.30	18.70	
38.0	5.06	6.39	7.92	9.64	11.55	13.70	14.65	16.05	17.35	
43.0		5.92	7.35	8.96	10.75	12.80	13.65	15.00	16.15	
46.0		5.62	7.00	8.54	10.25	12.20	13.00	14.30	15.45	
49.0			6.64	8.11	9.76	11.60	12.40	13.60	14.70	

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	3.56	3.62	3.70	3.81	3.94	4.11	4.19	4.32	4.44	
32.0	3.85	3.92	4.01	4.13	4.27	4.45	4.53	4.67	4.79	
38.0	4.24	4.33	4.43	4.56	4.71	4.90	4.99	5.14	5.27	
43.0		4.71	4.82	4.96	5.13	5.33	5.43	5.58	5.71	
46.0		4.95	5.08	5.23	5.40	5.61	5.71	5.86	6.01	
49.0			5.35	5.51	5.69	5.91	6.01	6.17	6.32	

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	9.17	9.21	9.27	9.35	9.46	9.60	9.67	9.78	9.89	
32.0	9.39	9.45	9.52	9.61	9.73	9.89	9.97	10.10	10.22	
38.0	9.72	9.79	9.88	9.99	10.13	10.32	10.41	10.55	10.69	
43.0		10.14	10.24	10.37	10.54	10.75	10.84	11.00	11.15	
46.0		10.38	10.50	10.64	10.82	11.04	11.14	11.31	11.47	
49.0			10.78	10.93	11.13	11.36	11.47	11.65	11.82	

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	39.10	49.50	62.00	76.80	94.30	115.00	124.00	139.00	153.00	
32.0	38.50	49.00	61.60	76.40	94.00	114.50	124.00	139.00	153.00	
38.0	37.50	48.20	60.80	75.70	93.20	114.00	123.00	138.50	152.00	
43.0		47.30	59.90	74.70	92.20	113.00	122.00	137.50	151.50	
46.0		46.70	59.20	74.00	91.50	112.00	121.50	136.50	150.50	
49.0			58.50	73.20	90.60	111.50	120.50	136.00	150.00	

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

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

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

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