



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	5.80	7.23	8.88	10.75	12.85	15.15	16.15	17.70	19.00	
32.0	5.42	6.80	8.37	10.15	12.15	14.30	15.25	16.70	17.95	
38.0	4.95	6.25	7.72	9.37	11.20	13.25	14.10	15.45	16.60	
43.0		5.77	7.15	8.69	10.40	12.30	13.10	14.35	15.40	
46.0			6.80	8.27	9.90	11.70	12.45	13.65	14.70	
49.0			6.43	7.83	9.39	11.10	11.80	12.95	13.95	

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	3.63	3.71	3.81	3.94	4.10	4.29	4.39	4.54	4.68	
32.0	3.93	4.02	4.13	4.27	4.44	4.65	4.74	4.90	5.05	
38.0	4.33	4.44	4.56	4.71	4.90	5.12	5.23	5.39	5.55	
43.0		4.83	4.96	5.13	5.33	5.57	5.68	5.85	6.01	
46.0			5.23	5.40	5.61	5.86	5.97	6.15	6.32	
49.0			5.51	5.70	5.91	6.17	6.29	6.47	6.64	

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	9.22	9.28	9.35	9.45	9.58	9.76	9.84	9.98	10.11	
32.0	9.46	9.52	9.61	9.73	9.88	10.07	10.17	10.32	10.46	
38.0	9.80	9.89	10.00	10.13	10.31	10.53	10.64	10.81	10.97	
43.0		10.26	10.38	10.54	10.74	10.99	11.11	11.30	11.48	
46.0			10.65	10.83	11.04	11.31	11.43	11.63	11.82	
49.0			10.95	11.14	11.37	11.65	11.78	11.99	12.19	

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	38.90	49.40	61.90	76.70	94.20	115.00	124.00	139.00	153.00	
32.0	38.30	48.90	61.40	76.20	93.70	114.50	123.50	138.50	152.50	
38.0	37.30	48.00	60.50	75.30	92.80	113.50	122.50	138.00	151.50	
43.0		47.00	59.50	74.30	91.70	112.50	121.50	136.50	150.50	
46.0			58.80	73.50	90.90	111.50	120.50	136.00	150.00	
49.0			58.00	72.70	90.00	110.50	119.50	135.00	149.00	

Additional restrictions, please see application guidelines

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	R7/271
Number of Fans	2
Total Fan Power Input, W	470
Depth/Width, mm	820/1130
Height, mm	621
Base mounting (hole dia), mm	1095 x 350 (14)
Gross Weight, kg	131
Net Weight, kg	110
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	1.97
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

Additional restrictions, please see application guidelines