



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	4.68	5.84	7.23	8.83	10.65	12.65	13.55	14.90	16.05	
32.0	4.35	5.46	6.77	8.29	10.00	11.90	12.70	14.00	15.10	
38.0		4.99	6.21	7.62	9.20	10.95	11.70	12.90	13.90	
43.0			5.73	7.04	8.52	10.15	10.85	11.95	12.90	
46.0			5.44	6.69	8.10	9.66	10.30	11.35	12.25	
49.0				6.33	7.67	9.15	9.79	10.80	11.65	

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	2.73	2.77	2.81	2.86	2.93	3.02	3.07	3.14	3.21	
32.0	2.99	3.03	3.08	3.13	3.20	3.29	3.33	3.40	3.47	
38.0		3.38	3.43	3.49	3.56	3.65	3.69	3.75	3.81	
43.0			3.76	3.82	3.89	3.98	4.02	4.08	4.14	
46.0			3.96	4.03	4.11	4.19	4.23	4.29	4.34	
49.0				4.25	4.33	4.41	4.45	4.51	4.56	

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	6.44	6.48	6.53	6.60	6.70	6.83	6.89	6.99	7.08	
32.0	6.80	6.84	6.89	6.96	7.05	7.17	7.23	7.32	7.41	
38.0		7.30	7.36	7.43	7.52	7.64	7.69	7.78	7.86	
43.0			7.78	7.86	7.96	8.08	8.13	8.22	8.30	
46.0			8.06	8.15	8.25	8.37	8.42	8.51	8.59	
49.0				8.45	8.56	8.69	8.74	8.83	8.91	

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	30.90	39.20	49.30	61.40	75.80	92.70	100.50	112.50	123.50	
32.0	30.20	38.40	48.50	60.60	74.90	91.80	99.30	111.50	122.50	
38.0		37.40	47.40	59.50	73.70	90.30	97.80	110.00	121.00	
43.0			46.40	58.30	72.40	88.90	96.30	108.50	119.50	
46.0			45.80	57.60	71.50	88.00	95.30	107.50	118.50	
49.0				56.70	70.60	86.90	94.30	106.00	117.00	

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	680/1130
Height, mm	633
Base mounting (hole dia), mm	1095 x 350 (14)
Gross Weight, kg	141
Net Weight, kg	101
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m <sup>3</sup> /s	1.97
Suction Type	Rotalock Valve
Suction Diameter, inch	7/8
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	13.1
Compressor Locked Rotor Current, A	74

### **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	RCR
Fan speed control	ALCO FSX41S for R134a
Fan speed control	ALCO FSX42S

### **MOTOR OPTIONS**

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

Additional restrictions, please see application guidelines