



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	1.62	2.05	2.54	3.11	3.76	4.51	4.84	5.35	5.81	
32.0	1.48	1.89	2.36	2.90	3.52	4.22	4.53	5.01	5.45	
38.0		1.69	2.13	2.63	3.21	3.86	4.14	4.59	5.00	
43.0			1.94	2.40	2.94	3.55	3.81	4.24	4.61	
46.0			1.82	2.27	2.78	3.36	3.61	4.02	4.38	
49.0			1.70	2.13	2.62	3.17	3.41	3.80	4.14	

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	1.04	1.04	1.03	1.03	1.04	1.06	1.08	1.11	1.14	
32.0	1.15	1.14	1.14	1.14	1.14	1.16	1.17	1.20	1.23	
38.0		1.30	1.29	1.28	1.28	1.29	1.30	1.32	1.35	
43.0			1.44	1.43	1.42	1.42	1.43	1.45	1.47	
46.0			1.56	1.53	1.52	1.52	1.52	1.54	1.56	
49.0			1.68	1.64	1.62	1.62	1.62	1.63	1.64	

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	2.15	2.14	2.13	2.13	2.15	2.18	2.20	2.25	2.29	
32.0	2.28	2.27	2.25	2.25	2.26	2.29	2.31	2.35	2.39	
38.0		2.45	2.43	2.42	2.42	2.44	2.45	2.48	2.52	
43.0			2.61	2.58	2.57	2.58	2.59	2.62	2.64	
46.0			2.74	2.70	2.69	2.69	2.69	2.71	2.73	
49.0			2.89	2.84	2.82	2.81	2.81	2.82	2.84	

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	10.55	13.45	16.90	21.00	25.90	31.70	34.30	38.60	42.50	
32.0	10.10	13.05	16.50	20.60	25.40	31.20	33.80	38.00	42.00	
38.0		12.40	15.85	19.90	24.70	30.40	33.00	37.20	41.10	
43.0			15.25	19.25	24.00	29.60	32.20	36.40	40.30	
46.0			14.85	18.85	23.50	29.20	31.70	35.90	39.80	
49.0			14.45	18.40	23.10	28.60	31.20	35.30	39.20	

Additional restrictions, please see application guidelines

### **CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

Condenser/Fan Type	H8/271
Number of Fans	1
Total Fan Power Input, W	235
Depth/Width, mm	680/735
Height, mm	533
Base mounting (hole dia), mm	700 x 370 (14)
Gross Weight, kg	72
Net Weight, kg	57
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m <sup>3</sup> /s	1
Suction Type	Rotalock Valve
Suction Diameter, inch	3/4
Sound Pressure @ 10m, dBA	49

### **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	4.9
Compressor Locked Rotor Current, A	26

### **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	H
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