



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	2.69	3.34	4.12	5.03	6.06	7.20	7.68	8.43	9.08	
32.0	2.50	3.12	3.86	4.72	5.69	6.76	7.21	7.91	8.52	
38.0		2.84	3.53	4.33	5.23	6.21	6.63	7.27	7.83	
43.0			3.25	4.00	4.83	5.74	6.13	6.73	7.25	
46.0			3.08	3.79	4.59	5.46	5.83	6.40	6.89	
49.0				3.59	4.35	5.17	5.52	6.07	6.53	

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	1.64	1.66	1.70	1.74	1.79	1.86	1.89	1.94	2.00	
32.0	1.80	1.83	1.86	1.91	1.96	2.03	2.06	2.11	2.16	
38.0		2.06	2.10	2.14	2.20	2.26	2.29	2.34	2.39	
43.0			2.32	2.36	2.42	2.48	2.51	2.56	2.60	
46.0			2.46	2.51	2.56	2.62	2.65	2.70	2.74	
49.0				2.66	2.71	2.78	2.80	2.85	2.89	

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	3.93	3.96	4.00	4.05	4.12	4.21	4.25	4.32	4.38	
32.0	4.15	4.17	4.21	4.26	4.33	4.41	4.45	4.51	4.57	
38.0		4.45	4.49	4.54	4.61	4.69	4.73	4.79	4.85	
43.0			4.76	4.81	4.88	4.97	5.00	5.07	5.12	
46.0			4.94	5.00	5.07	5.15	5.19	5.25	5.31	
49.0				5.20	5.27	5.36	5.40	5.46	5.52	

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	17.95	22.60	28.40	35.40	43.80	53.70	58.10	65.20	71.60	
32.0	17.50	22.20	28.00	35.00	43.30	53.10	57.50	64.50	70.90	
38.0		21.60	27.40	34.30	42.60	52.30	56.60	63.60	70.00	
43.0			26.80	33.70	41.90	51.50	55.80	62.80	69.10	
46.0			26.40	33.30	41.40	51.00	55.30	62.20	68.50	
49.0				32.80	40.90	50.50	54.70	61.60	67.90	

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	77
Net Weight, kg	62
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	7/8
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	8.9
Compressor Locked Rotor Current, A	46

### **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