



Minimum Evaporating Temp. With:	
— 25 °C Suction Gas Return	— 10 K Suction Superheat
— 25 °C Suction Gas Return with Voltage limit ± 0 %	— Maximum Pressure Limit
— Maximum Evaporating Temperature	

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	1.51	1.90	2.37	2.93	3.56	4.28	4.60	5.09	5.53	
32.0	1.43	1.80	2.26	2.78	3.39	4.08	4.38	4.85	5.27	
38.0		1.69	2.11	2.61	3.17	3.82	4.10	4.54	4.94	
43.0			1.98	2.45	2.99	3.60	3.86	4.28	4.65	
46.0			1.91	2.36	2.88	3.46	3.72	4.12	4.48	
49.0			1.84	2.27	2.76	3.33	3.57	3.96	4.30	

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	1.00	1.01	1.03	1.05	1.08	1.10	1.12	1.14	1.16	
32.0	1.08	1.10	1.12	1.14	1.16	1.20	1.21	1.24	1.26	
38.0		1.21	1.24	1.26	1.29	1.32	1.34	1.36	1.38	
43.0			1.34	1.38	1.40	1.44	1.46	1.48	1.50	
46.0			1.42	1.44	1.48	1.52	1.54	1.56	1.58	
49.0			1.50	1.52	1.56	1.60	1.62	1.64	1.66	

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	2.23	2.24	2.25	2.27	2.30	2.33	2.35	2.37	2.40	
32.0	2.32	2.33	2.35	2.37	2.41	2.44	2.46	2.49	2.51	
38.0		2.47	2.49	2.52	2.56	2.60	2.62	2.65	2.68	
43.0			2.63	2.67	2.71	2.76	2.78	2.81	2.84	
46.0			2.73	2.77	2.82	2.87	2.89	2.92	2.95	
49.0			2.83	2.88	2.93	2.98	3.01	3.04	3.07	

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	8.62	10.95	13.85	17.25	21.40	26.20	28.30	31.80	35.00	
32.0	8.52	10.85	13.75	17.15	21.30	26.10	28.20	31.70	34.90	
38.0		10.75	13.60	17.00	21.10	25.90	28.00	31.50	34.70	
43.0			13.45	16.85	20.90	25.70	27.80	31.30	34.50	
46.0			13.35	16.75	20.80	25.60	27.70	31.20	34.30	
49.0			13.25	16.65	20.70	25.40	27.50	31.00	34.20	

### **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