



Minimum Evaporating Temp. With:

- █ 20 °C Suction Gas Return ASERCOM certified Liquid injection
- █ Maximum Evaporating Temperature     █ Maximum Pressure Limit

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	1.38	1.78	2.23	2.78	3.41	4.13	4.96	5.89
32.0	1.32	1.70	2.14	2.65	3.24	3.93	4.70	5.58
38.0	1.25	1.60	2.01	2.49	3.04	3.67	4.39	5.21
43.0	1.18	1.52	1.90	2.34	2.85	3.44	4.12	
46.0	1.14	1.46	1.82	2.25	2.74			
49.0	1.08	1.40						

Ambient °C	Total Power Input, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	1.42	1.49	1.57	1.66	1.78	1.92	2.07	2.24
32.0	1.55	1.62	1.70	1.80	1.91	2.04	2.20	2.37
38.0	1.74	1.80	1.88	1.98	2.10	2.23	2.39	2.56
43.0	1.92	2.00	2.08	2.18	2.30	2.43	2.58	
46.0	2.06	2.13	2.22	2.32	2.43			
49.0	2.21	2.29						

Ambient °C	Current at 400 V, A							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	3.27	3.33	3.39	3.48	3.58	3.71	3.87	4.05
32.0	3.37	3.43	3.50	3.59	3.70	3.84	4.00	4.19
38.0	3.54	3.60	3.68	3.77	3.89	4.03	4.20	4.41
43.0	3.74	3.79	3.87	3.97	4.09	4.24	4.42	
46.0	3.88	3.94	4.01	4.11	4.24			
49.0	4.04	4.10						

Ambient °C	Mass Flow, g/s							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	7.47	9.69	12.35	15.55	19.40	24.00	29.40	35.90
32.0	7.51	9.73	12.35	15.55	19.35	23.90	29.30	35.80
38.0	7.53	9.75	12.40	15.50	19.30	23.80	29.20	35.70
43.0	7.52	9.74	12.35	15.45	19.20	23.70	29.10	
46.0	7.49	9.72	12.35	15.45	19.15			
49.0	7.43	9.68						

### **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	81
Net Weight, kg	66
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	6
Compressor Locked Rotor Current, A	40

### **ACCESSORIES INCLUDED**

Crankcase Heater	70 W External
Liquid Injection	DTC Valve
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 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
TFD	460 V / 3~ / 60 Hz	460		Y	1.04