



Minimum Evaporating Temp. With:

- █ 20 °C Suction Gas Return Liquid injection
- █ Maximum Evaporating Temperature     █ Maximum Pressure Limit
- █ Voltage limit -5% above -4°C

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	0.0	5.0	7.0
27.0	7.33	9.16	11.30	13.70	16.45	19.55	22.90	26.70	30.70	35.00	36.80
32.0	6.88	8.60	10.55	12.80	15.30	18.15	21.30	24.70	28.40	32.40	
38.0	6.32	7.89	9.67	11.65	13.90	16.45	19.20	22.30			
43.0	5.82	7.28	8.89	10.70	12.70	14.95					
46.0	5.52	6.89	8.40	10.10							
49.0	5.21										

Ambient °C	Total Power Input, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	6.01	6.52	7.05	7.61	8.20	8.82	9.48	10.20	10.95	11.75	12.10
32.0	6.45	6.99	7.54	8.12	8.74	9.38	10.05	10.80	11.60	12.40	
38.0	7.03	7.59	8.18	8.80	9.44	10.10	10.85	11.60			
43.0	7.55	8.14	8.76	9.41	10.10	10.80					
46.0	7.88	8.49	9.13	9.79							
49.0	8.22										

Ambient °C	Current at 400 V, A										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	12.89	13.65	14.47	15.36	16.32	17.36	18.50	19.75	21.13	22.63	23.28
32.0	13.54	14.36	15.24	16.19	17.22	18.33	19.54	20.87	22.32	23.90	
38.0	14.42	15.32	16.29	17.32	18.43	19.63	20.94	22.35			
43.0	15.25	16.22	17.26	18.37	19.56	20.84					
46.0	15.78	16.81	17.90	19.06							
49.0	16.35										

Ambient °C	Mass Flow, g/s										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	50.60	64.20	80.40	99.60	122.50	149.50	181.00	219.00	263.00	315.00	339.00
32.0	50.30	63.90	79.90	98.80	121.00	147.50	179.00	216.00	260.00	313.00	
38.0	49.80	63.30	79.00	97.50	119.50	145.00	176.00	213.00			
43.0	49.40	62.80	78.20	96.30	117.50	143.00					
46.0	49.10	62.40	77.70	95.60							
49.0	48.80										

### CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	V6/611
Number of Fans	2
Total Fan Power Input, W	800
Depth/Width, mm	1330/820
Height, mm	830
Gross Weight, kg	195
Net Weight, kg	168
Receiver Capacity, l	11.7
Liquid Line, inch	3/4
Air Flow, m <sup>3</sup> /s	2.97
Suction Diameter, inch	1 3/8
Sound Pressure @ 10m, dBA	57

**CONDENSING UNIT ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)**

Condenser Fan Current for 1 fan (single phase)	1.85 / 2.25
Compressor Maximum Operating Current, A	29
Compressor Locked Rotor Current, A	118

**ACCESSORIES INCLUDED**

Crankcase Heater	70 W External
Liquid Injection	Capillary Tube
Electric box (W x H x D), mm	140 x 205 x 60
HP/LP Switch	ALCO PS2-W7A

**ACCESSORIES OPTIONAL**

Housing	V
Fan speed control	ALCO FSP150

**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
TWD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TWD	460 V / 3~ / 60 Hz	460		Y	1.04