



Minimum Evaporating Temp. With:

- █ 20 °C Suction Gas Return Liquid injection
- █ Maximum Evaporating Temperature
- █ Maximum Pressure Limit
- Voltage limit -5% above -12°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
27.0	8.71	10.85	13.35	16.15	19.30	22.80	26.60	30.70
32.0	8.14	10.15	12.45	15.05	17.95	21.20	24.70	28.50
38.0	7.43	9.27	11.35	13.70	16.30	19.15	22.30	25.70
43.0	6.81	8.49	10.40	12.50	14.85			
46.0	6.43	8.01	9.78					
49.0								

50 Hz

MC-V6-ZF49K5-TFD

R404A Dew Point

Ambient °C	Total Power Input, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	7.39	7.81	8.33	8.95	9.67	10.50	11.40	12.35
32.0	7.96	8.39	8.93	9.57	10.30	11.15	12.10	13.10
38.0	8.72	9.17	9.74	10.40	11.15	12.05	13.00	14.05
43.0	9.44	9.91	10.50	11.20	11.95			
46.0	9.91	10.40	11.00					
49.0								

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	13.17	13.68	14.34	15.16	16.13	17.26	18.55	20.00
32.0	13.87	14.42	15.13	16.00	17.02	18.21	19.56	21.09
38.0	14.85	15.46	16.23	17.15	18.25	19.51	20.93	22.54
43.0	15.81	16.46	17.28	18.26	19.41			
46.0	16.46	17.13	17.98					
49.0								

Ambient °C	Mass Flow, g/s							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	60.90	77.20	96.60	119.50	147.00	179.00	217.00	261.00
32.0	60.40	76.60	95.80	118.50	145.50	177.50	215.00	259.00
38.0	59.60	75.60	94.60	117.00	143.50	175.00	212.00	257.00
43.0	58.80	74.70	93.40	115.50	141.50			
46.0	58.30	74.20	92.60					
49.0								

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	212
Net Weight, kg	185
Receiver Capacity, l	11.7
Liquid Line, inch	3/4
Air Flow, m ³ /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	30
Compressor Locked Rotor Current, A	139

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

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
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