



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	7.22	9.11	11.40	14.05	17.10	20.50	22.00	24.40	26.40	28.60
32.0	6.79	8.58	10.75	13.30	16.20	19.50	20.90	23.20	25.20	27.20
38.0		7.94	9.96	12.35	15.10	18.25	19.60	21.70	23.60	25.60
43.0		7.42	9.30	11.55	14.15	17.15	18.40	20.50	22.30	24.10
46.0			8.90	11.05	13.55	16.45	17.70	19.70	21.40	23.30
49.0			8.51	10.55	13.00	15.75	16.95	18.90	20.60	22.40

50 Hz

MC-V6-ZB76KE-TFD

R134a

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	4.48	4.49	4.60	4.76	4.94	5.12	5.19	5.26	5.31	5.34
32.0	4.90	4.92	5.03	5.19	5.38	5.56	5.62	5.70	5.74	5.77
38.0		5.48	5.59	5.76	5.95	6.14	6.20	6.28	6.33	6.36
43.0		5.97	6.10	6.28	6.48	6.67	6.74	6.82	6.87	6.91
46.0			6.43	6.61	6.82	7.01	7.08	7.17	7.23	7.26
49.0			6.76	6.96	7.17	7.38	7.45	7.54	7.60	7.63

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	10.42	10.52	10.63	10.74	10.84	10.93	10.96	10.99	11.01	11.02
32.0	10.74	10.85	10.97	11.09	11.21	11.31	11.34	11.38	11.41	11.43
38.0		11.32	11.46	11.60	11.74	11.86	11.90	11.96	12.00	12.03
43.0		11.77	11.93	12.10	12.26	12.40	12.46	12.53	12.58	12.62
46.0			12.24	12.43	12.60	12.77	12.83	12.91	12.97	13.02
49.0			12.57	12.78	12.97	13.16	13.22	13.32	13.39	13.45

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	47.70	59.40	73.40	89.70	108.00	129.00	138.00	152.50	165.00	178.00
32.0	47.30	58.80	72.60	88.90	107.50	128.50	137.50	152.00	164.50	177.50
38.0		58.00	71.70	87.80	106.50	127.50	136.50	151.00	163.50	177.00
43.0		57.40	70.80	86.70	105.00	126.00	135.00	149.50	162.50	176.00
46.0			70.20	86.00	104.50	125.50	134.50	149.00	161.50	175.00
49.0			69.70	85.30	103.50	124.50	133.50	148.00	161.00	174.50

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	V6/611
Number of Fans	2
Total Fan Power Input, W	800
Depth/Width, mm	820/1330
Height, mm	835
Base mounting (hole dia), mm	1295 x 475 (14)
Gross Weight, kg	184
Net Weight, kg	168
Receiver Capacity, l	15.8
Liquid Line, inch	3/4
Air Flow, m ³ /s	2.97
Suction Type	Rotalock Valve
Suction Diameter, inch	1 3/8
Sound Pressure @ 10m, dBA	55

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	20.4
Compressor Locked Rotor Current, A	118

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	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