



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	8.89	11.40	14.25	17.50	21.20	25.40	27.20	30.10	32.60	35.30
32.0	8.16	10.60	13.40	16.55	20.10	24.10	25.80	28.50	31.00	33.50
38.0		9.59	12.25	15.25	18.65	22.40	24.00	26.60	28.90	31.30
43.0		8.62	11.25	14.15	17.35	20.90	22.50	24.90	27.10	29.40
46.0			10.55	13.40	16.55	20.00	21.50	23.90	26.00	28.20
49.0			9.84	12.60	15.70	19.05	20.50	22.80	24.80	26.90

50 Hz MC-V6-ZB95KE-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	5.39	5.57	5.76	5.98	6.24	6.55	6.68	6.91	7.11	7.34
32.0	5.92	6.10	6.30	6.52	6.79	7.11	7.25	7.49	7.70	7.93
38.0		6.83	7.04	7.28	7.56	7.89	8.04	8.29	8.51	8.76
43.0		7.52	7.74	7.99	8.29	8.64	8.80	9.05	9.29	9.54
46.0			8.21	8.47	8.77	9.13	9.29	9.56	9.80	10.05
49.0			8.71	8.98	9.29	9.66	9.83	10.10	10.35	10.60

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	13.82	13.93	14.07	14.22	14.42	14.68	14.80	15.00	15.19	15.41
32.0	14.18	14.32	14.47	14.65	14.88	15.18	15.31	15.55	15.77	16.02
38.0		14.93	15.11	15.33	15.61	15.96	16.13	16.40	16.66	16.95
43.0		15.59	15.81	16.07	16.40	16.80	16.99	17.30	17.60	17.92
46.0			16.32	16.60	16.96	17.40	17.60	17.94	18.25	18.60
49.0			16.89	17.21	17.59	18.07	18.29	18.65	18.99	19.36

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	59.40	75.20	93.20	113.50	137.00	163.50	175.00	193.50	210.00	228.00
32.0	57.40	73.70	92.00	112.50	136.00	162.50	174.00	192.50	209.00	226.00
38.0		70.90	89.70	110.50	134.00	160.50	172.00	190.50	207.00	224.00
43.0		67.50	86.90	108.50	132.00	158.50	170.00	188.50	205.00	222.00
46.0			84.70	106.50	130.50	157.00	168.50	186.50	203.00	220.00
49.0			82.00	104.00	128.00	155.00	166.50	185.00	201.00	218.00

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	192
Net Weight, kg	172
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	28.2
Compressor Locked Rotor Current, A	140

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