



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	9.54	12.00	14.80	18.00	21.60	25.60	27.30	30.00	32.40	
32.0	8.86	11.25	13.95	17.00	20.40	24.20	25.90	28.40	30.60	
38.0	8.01	10.25	12.80	15.65	18.85	22.40	23.90	26.30	28.40	
43.0		9.40	11.80	14.50	17.50	20.80	22.30	24.50	26.50	
46.0		8.88	11.15	13.75	16.65	19.85	21.20	23.30	25.20	
49.0			10.55	13.00	15.75	18.80	20.10	22.20	24.00	

Additional restrictions, please see application guidelines

50 Hz MC-V6-ZB95KE-TFD R513A

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	5.86	6.00	6.16	6.35	6.56	6.81	6.92	7.11	7.27	
32.0	6.35	6.53	6.71	6.91	7.14	7.41	7.53	7.72	7.90	
38.0	7.01	7.22	7.44	7.67	7.92	8.21	8.34	8.55	8.73	
43.0		7.86	8.11	8.37	8.65	8.96	9.10	9.32	9.51	
46.0		8.28	8.55	8.82	9.12	9.45	9.59	9.81	10.00	
49.0			9.01	9.30	9.62	9.96	10.10	10.35	10.55	

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	11.73	11.87	12.03	12.21	12.42	12.69	12.80	13.00	13.19	
32.0	12.22	12.39	12.58	12.79	13.04	13.33	13.47	13.69	13.89	
38.0	12.90	13.13	13.36	13.62	13.91	14.25	14.41	14.65	14.88	
43.0		13.85	14.13	14.43	14.77	15.15	15.32	15.60	15.84	
46.0		14.34	14.65	14.98	15.35	15.76	15.94	16.23	16.49	
49.0			15.22	15.58	15.97	16.41	16.60	16.91	17.18	

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	63.20	80.60	101.50	125.50	154.50	188.00	203.00	228.00	250.00	
32.0	61.60	79.20	100.00	124.50	153.50	187.50	203.00	227.00	250.00	
38.0	59.30	77.10	98.00	122.50	151.50	185.50	201.00	226.00	249.00	
43.0		74.90	95.80	120.50	149.50	183.50	199.00	224.00	247.00	
46.0		73.50	94.30	119.00	147.50	182.00	197.50	222.00	245.00	
49.0			92.60	117.00	146.00	180.00	195.50	221.00	244.00	

Additional restrictions, please see application guidelines

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

Additional restrictions, please see application guidelines