



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								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	4.78	6.20	7.70	9.33	11.15	13.20	15.45	16.45	18.05
32.0		5.74	7.19	8.75	10.50	12.40	14.60	15.50	17.00
38.0			6.56	8.04	9.66	11.45	13.50	14.35	15.80
43.0			6.04	7.45	8.98	10.70	12.60	13.40	14.75
46.0				7.10	8.58	10.20	12.05		
49.0				6.76	8.18				

Ambient °C	Total Power Input, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	3.09	3.19	3.29	3.39	3.52	3.67	3.86	3.94	4.09
32.0		3.58	3.68	3.79	3.92	4.07	4.27	4.35	4.50
38.0			4.22	4.33	4.47	4.62	4.82	4.91	5.06
43.0			4.71	4.84	4.97	5.14	5.33	5.43	5.58
46.0				5.16	5.30	5.46	5.67		
49.0				5.50	5.64				

Ambient °C	Current at 400 V, A								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	6.02	6.19	6.29	6.38	6.50	6.68	6.98	7.14	7.44
32.0		6.61	6.72	6.80	6.92	7.10	7.39	7.55	7.83
38.0			7.34	7.41	7.51	7.67	7.94	8.09	8.36
43.0			7.95	8.00	8.08	8.21	8.45	8.59	8.84
46.0				8.39	8.45	8.56	8.78		
49.0				8.80	8.84				

Ambient °C	Mass Flow, g/s								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	26.50	34.90	44.10	54.50	66.50	80.80	98.00	106.00	119.00
32.0		33.80	43.10	53.60	65.70	80.00	97.20	105.00	118.00
38.0			41.90	52.50	64.60	79.00	96.40	104.50	117.50
43.0			40.90	51.50	63.80	78.30	95.80	104.00	117.50
46.0				51.10	63.40	78.00	95.70		
49.0				50.70	63.10				

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	ZXM_2F/60 W
Number of Fans	2
Total Fan Power Input, W	246
Depth/Width, mm	1035/447
Height, mm	1244
Base mounting (hole dia), mm	580 x 388 (12)
Net Weight, kg	108
Receiver Capacity, l	5.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	1.64
High Side PS gauge, bar	28.8
Low Side PS gauge, bar	21
Suction Type	Cu Tube
Suction Diameter, inch	7/8
Sound Pressure @ 10m (MT), dBA	41
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10.0/45.0/20.0 °C at 50 Hz

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

Compressor Maximum Operating Current, A	12.8
Compressor Locked Rotor Current, A	65.5

ACCESSORIES INCLUDED

Crankcase Heater	40 W External
Liquid sight glass	ALCO MIA 012
Compressor contactor	12 A
Control circuit fuse	12 A 10x38
HP Switch	PS4-W1 21X28
Electronic controller	Emerson XCM25D
Filter Drier	ALCO ADK Plus

ACCESSORIES OPTIONAL

LP Adjustable Pressure Switch	Alco PS1-W3A
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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