



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	3.56	4.59	5.76	7.10	8.62	10.35	11.10	12.30	13.35	
32.0	3.37	4.36	5.48	6.75	8.20	9.85	10.55	11.70	12.70	
38.0		4.07	5.13	6.33	7.69	9.23	9.90	10.95	11.90	
43.0			4.84	5.97	7.26	8.70	9.33	10.35	11.20	
46.0			4.66	5.75	6.99	8.38	8.99	9.95	10.80	
49.0				5.53	6.71	8.05	8.63	9.55	10.35	

50 Hz

ZXME-050E-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	1.96	2.02	2.09	2.15	2.22	2.30	2.33	2.40	2.46	
32.0	2.15	2.22	2.29	2.35	2.43	2.51	2.55	2.62	2.68	
38.0		2.49	2.56	2.63	2.71	2.80	2.84	2.91	2.97	
43.0			2.82	2.89	2.97	3.07	3.11	3.18	3.24	
46.0			2.99	3.07	3.15	3.24	3.28	3.36	3.42	
49.0				3.26	3.34	3.43	3.47	3.55	3.61	

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	5.05	5.11	5.15	5.18	5.21	5.25	5.28	5.32	5.37	
32.0	5.09	5.19	5.26	5.31	5.37	5.43	5.47	5.52	5.58	
38.0		5.38	5.48	5.57	5.65	5.74	5.78	5.85	5.92	
43.0			5.75	5.86	5.96	6.07	6.12	6.20	6.27	
46.0			5.95	6.07	6.18	6.30	6.35	6.44	6.52	
49.0				6.30	6.43	6.56	6.61	6.70	6.78	

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	20.40	26.60	33.80	42.20	52.20	63.90	69.20	77.80	85.70	
32.0	20.10	26.30	33.50	42.00	51.90	63.70	68.90	77.50	85.40	
38.0		26.00	33.30	41.70	51.60	63.30	68.50	77.10	84.90	
43.0			33.00	41.40	51.20	62.90	68.10	76.60	84.40	
46.0			32.80	41.20	51.00	62.60	67.80	76.30	84.10	
49.0				40.90	50.70	62.30	67.50	76.00	83.80	

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