



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	4.03	5.04	6.24	7.65	9.25	11.05	11.85	13.05	14.15	
32.0	3.75	4.72	5.86	7.20	8.72	10.45	11.15	12.35	13.35	
38.0		4.31	5.39	6.64	8.06	9.65	10.35	11.40	12.35	
43.0			4.98	6.15	7.48	8.97	9.61	10.60	11.50	
46.0			4.72	5.84	7.12	8.55	9.16	10.15	10.95	
49.0				5.53	6.75	8.11	8.70	9.63	10.45	

Additional restrictions, please see application guidelines

50 Hz

ZXME-050E-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	2.17	2.20	2.23	2.27	2.32	2.40	2.43	2.49	2.54	
32.0	2.39	2.43	2.46	2.50	2.56	2.62	2.66	2.71	2.77	
38.0		2.72	2.76	2.81	2.86	2.93	2.96	3.02	3.07	
43.0			3.04	3.09	3.15	3.22	3.25	3.30	3.35	
46.0			3.22	3.27	3.33	3.40	3.43	3.48	3.53	
49.0				3.46	3.52	3.59	3.62	3.67	3.72	

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	6.13	6.16	6.20	6.25	6.33	6.44	6.49	6.58	6.66	
32.0	6.46	6.49	6.53	6.59	6.66	6.76	6.81	6.89	6.97	
38.0		6.90	6.95	7.01	7.09	7.18	7.23	7.31	7.38	
43.0			7.33	7.40	7.48	7.58	7.62	7.70	7.78	
46.0			7.58	7.65	7.74	7.84	7.89	7.97	8.04	
49.0				7.93	8.02	8.12	8.17	8.25	8.33	

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	26.40	33.40	41.90	52.30	64.60	79.10	85.60	96.10	105.50	
32.0	25.80	32.80	41.40	51.70	64.00	78.50	85.00	95.50	105.00	
38.0		32.00	40.50	50.90	63.10	77.60	84.00	94.60	104.00	
43.0			39.70	49.90	62.10	76.50	83.00	93.50	103.00	
46.0			39.00	49.30	61.40	75.80	82.30	92.80	102.50	
49.0				48.50	60.60	75.00	81.40	91.90	101.50	

Additional restrictions, please see application guidelines

**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 <sup>3</sup> /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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50 Hz

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**MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00

Additional restrictions, please see application guidelines