



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	1.60	2.03	2.52	3.08	3.72	4.44	4.76	5.26	5.70	
32.0	1.46	1.87	2.33	2.86	3.47	4.15	4.45	4.92	5.34	
38.0		1.67	2.10	2.60	3.16	3.79	4.07	4.50	4.89	
43.0			1.91	2.37	2.89	3.48	3.74	4.15	4.51	
46.0			1.79	2.23	2.73	3.29	3.54	3.93	4.28	
49.0			1.68	2.09	2.57	3.11	3.34	3.72	4.05	

Additional restrictions, please see application guidelines

50 Hz

ZXME-020E-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	0.93	0.93	0.93	0.93	0.94	0.96	0.98	1.02	1.04	
32.0	1.04	1.04	1.03	1.03	1.04	1.06	1.08	1.10	1.14	
38.0		1.20	1.19	1.18	1.18	1.20	1.21	1.24	1.26	
43.0			1.35	1.34	1.33	1.34	1.34	1.36	1.38	
46.0			1.46	1.44	1.43	1.43	1.44	1.45	1.47	
49.0			1.58	1.56	1.54	1.54	1.54	1.55	1.56	

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	2.16	2.15	2.15	2.15	2.17	2.21	2.23	2.28	2.32	
32.0	2.29	2.28	2.27	2.27	2.29	2.32	2.34	2.38	2.42	
38.0		2.47	2.45	2.44	2.44	2.47	2.48	2.51	2.55	
43.0			2.63	2.61	2.61	2.62	2.63	2.65	2.68	
46.0			2.77	2.74	2.72	2.73	2.73	2.75	2.78	
49.0			2.92	2.88	2.86	2.85	2.85	2.87	2.89	

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	10.50	13.40	16.85	21.00	25.80	31.60	34.20	38.50	42.40	
32.0	10.05	13.00	16.45	20.50	25.30	31.00	33.60	37.90	41.80	
38.0		12.35	15.80	19.80	24.60	30.20	32.80	37.00	40.90	
43.0			15.15	19.15	23.90	29.50	32.00	36.20	40.10	
46.0			14.75	18.70	23.40	29.00	31.50	35.70	39.50	
49.0			14.35	18.30	22.90	28.50	31.00	35.10	39.00	

Additional restrictions, please see application guidelines

**CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

Condenser/Fan Type	ZX020E/60 W
Number of Fans	1
Total Fan Power Input, W	116
Depth/Width, mm	1035/446
Height, mm	840
Base mounting (hole dia), mm	580 x 388 (12)
Net Weight, kg	76
Receiver Capacity, l	4.1
Liquid Line, inch	1/2
Air Flow, m <sup>3</sup> /s	0.81
High Side PS gauge, bar	28.8
Low Side PS gauge, bar	21
Suction Type	Cu Tube
Suction Diameter, inch	3/4
Sound Pressure @ 10m (MT), dBA	37
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	4.9
Compressor Locked Rotor Current, A	26

**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