



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	3.18	3.98	4.94	6.04	7.29	8.68	9.27	10.20	11.00	
32.0	2.96	3.71	4.62	5.66	6.84	8.16	8.72	9.59	10.35	
38.0		3.39	4.22	5.19	6.28	7.50	8.02	8.83	9.54	
43.0			3.90	4.79	5.80	6.93	7.41	8.17	8.83	
46.0			3.71	4.55	5.51	6.58	7.04	7.77	8.40	
49.0				4.31	5.21	6.23	6.67	7.36	7.96	

Additional restrictions, please see application guidelines

50 Hz

ZXME-040E-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	1.69	1.71	1.74	1.78	1.82	1.89	1.92	1.98	2.04	
32.0	1.87	1.90	1.92	1.96	2.01	2.08	2.11	2.17	2.22	
38.0		2.16	2.19	2.23	2.28	2.34	2.37	2.42	2.47	
43.0			2.44	2.48	2.53	2.59	2.62	2.67	2.72	
46.0			2.60	2.65	2.70	2.76	2.79	2.84	2.88	
49.0				2.83	2.88	2.94	2.96	3.01	3.06	

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	4.95	4.96	4.99	5.05	5.12	5.22	5.27	5.34	5.42	
32.0	5.21	5.22	5.25	5.30	5.37	5.46	5.50	5.58	5.65	
38.0		5.56	5.60	5.64	5.71	5.79	5.84	5.91	5.97	
43.0			5.92	5.97	6.04	6.13	6.17	6.24	6.31	
46.0			6.15	6.20	6.27	6.35	6.40	6.47	6.53	
49.0				6.45	6.52	6.61	6.65	6.72	6.79	

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	21.10	26.70	33.70	42.10	52.00	63.70	68.90	77.40	85.10	
32.0	20.50	26.20	33.10	41.50	51.40	63.00	68.30	76.70	84.40	
38.0		25.50	32.30	40.60	50.40	62.00	67.20	75.60	83.30	
43.0			31.60	39.70	49.40	60.90	66.10	74.50	82.20	
46.0			31.30	39.20	48.80	60.20	65.30	73.70	81.40	
49.0				38.70	48.20	59.50	64.60	72.90	80.60	

Additional restrictions, please see application guidelines

**CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

Condenser/Fan Type	ZX040E/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	91
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	7/8
Sound Pressure @ 10m (MT), dBA	38
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	10.3
Compressor Locked Rotor Current, A	49.3

**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