



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	2.35	2.96	3.66	4.47	5.38	6.41	6.86	7.57	8.19	
32.0	2.19	2.77	3.43	4.19	5.05	6.02	6.44	7.11	7.70	
38.0		2.54	3.14	3.84	4.63	5.53	5.92	6.54	7.09	
43.0			2.90	3.54	4.28	5.11	5.47	6.05	6.56	
46.0			2.76	3.37	4.06	4.85	5.20	5.75	6.23	
49.0				3.19	3.84	4.59	4.92	5.44	5.90	

Additional restrictions, please see application guidelines

50 Hz

ZXME-030E-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	1.27	1.28	1.30	1.33	1.36	1.42	1.44	1.48	1.51	
32.0	1.40	1.42	1.44	1.47	1.50	1.55	1.57	1.60	1.64	
38.0		1.62	1.64	1.66	1.70	1.74	1.76	1.79	1.82	
43.0			1.82	1.85	1.88	1.92	1.94	1.96	2.00	
46.0			1.94	1.97	2.00	2.04	2.05	2.08	2.11	
49.0				2.10	2.13	2.17	2.18	2.21	2.24	

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	3.33	3.35	3.37	3.41	3.46	3.52	3.55	3.60	3.65	
32.0	3.51	3.53	3.55	3.58	3.63	3.68	3.71	3.76	3.80	
38.0		3.77	3.79	3.82	3.86	3.91	3.93	3.98	4.02	
43.0			4.01	4.04	4.08	4.13	4.15	4.19	4.23	
46.0			4.16	4.19	4.23	4.28	4.30	4.34	4.38	
49.0				4.36	4.40	4.45	4.47	4.51	4.55	

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	15.45	19.70	24.80	30.80	37.90	46.30	50.10	56.30	62.00	
32.0	15.15	19.35	24.40	30.30	37.40	45.80	49.50	55.70	61.40	
38.0		18.90	23.80	29.70	36.60	44.90	48.70	54.80	60.50	
43.0			23.30	29.00	35.90	44.10	47.80	53.90	59.60	
46.0			23.00	28.60	35.40	43.50	47.20	53.30	58.90	
49.0				28.20	34.90	42.90	46.50	52.60	58.20	

Additional restrictions, please see application guidelines

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	ZX030E/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	79
Receiver Capacity, l	4.1
Liquid Line, inch	1/2
Air Flow, m ³ /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	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	7.2
Compressor Locked Rotor Current, A	40

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

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

Additional restrictions, please see application guidelines