



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								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0		4.71	5.83	7.03	8.34	9.78	11.35	12.05	13.10
32.0		4.33	5.41	6.56	7.80	9.16	10.65	11.30	12.30
38.0			4.92	6.00	7.16	8.42	9.82	10.40	
43.0				5.54	6.63				
46.0									
49.0									

50 Hz

ZXME-040E-TFD

R449A Dew Point

Ambient °C	Total Power Input, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0		2.69	2.81	2.94	3.09	3.27	3.49	3.59	3.75
32.0		3.02	3.15	3.29	3.45	3.63	3.85	3.96	4.13
38.0			3.61	3.76	3.92	4.11	4.34	4.45	
43.0				4.19	4.36				
46.0									
49.0									

Ambient °C	Current at 400 V, A								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0		7.09	7.27	7.44	7.63	7.91	8.31	8.51	8.88
32.0		7.62	7.81	7.97	8.16	8.43	8.81	9.01	9.36
38.0			8.58	8.72	8.89	9.13	9.48	9.66	
43.0				9.44	9.58				
46.0									
49.0									

Ambient °C	Mass Flow, g/s								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0		27.30	34.70	42.90	52.50	63.90	77.60	83.90	94.40
32.0		26.40	33.90	42.20	51.80	63.20	77.10	83.40	94.10
38.0			32.90	41.30	51.00	62.60	76.60	83.20	
43.0				40.70	50.60				
46.0									
49.0									

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 ³ /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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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