



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	5.51	7.15	8.87	10.75	12.80	15.05	17.65	18.75	20.50
32.0		6.60	8.26	10.05	12.00	14.15	16.60	17.65	19.30
38.0			7.53	9.21	11.05	13.05	15.35	16.30	17.85
43.0				8.53	10.25	12.15	14.30	15.20	
46.0				8.13	9.79	11.65			
49.0									

50 Hz

ZXME-060E-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	3.54	3.67	3.80	3.94	4.11	4.30	4.55	4.66	4.84
32.0		4.12	4.26	4.41	4.58	4.78	5.03	5.14	5.33
38.0			4.88	5.03	5.21	5.42	5.67	5.79	5.99
43.0				5.61	5.80	6.01	6.27	6.39	
46.0				5.99	6.18	6.39			
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	7.62	7.85	8.01	8.14	8.31	8.57	8.98	9.19	9.57
32.0		8.40	8.56	8.70	8.86	9.12	9.50	9.71	10.08
38.0			9.37	9.49	9.63	9.86	10.22	10.41	10.76
43.0				10.25	10.36	10.55	10.87	11.05	
46.0				10.75	10.84	11.00			
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	30.80	40.60	51.40	63.50	77.60	94.30	114.50	123.50	139.00
32.0		39.30	50.20	62.50	76.60	93.30	113.50	122.50	138.00
38.0			48.80	61.10	75.40	92.20	112.50	122.00	137.50
43.0				60.10	74.50	91.50	112.00	121.50	
46.0				59.60	74.10	91.20			
49.0									

### **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	112
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	13.1
Compressor Locked Rotor Current, A	74

### **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**

<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