



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 20 °C Suction Gas Return
- Maximum Evaporating Temperature — Maximum Pressure Limit

Suction Return Temperature 20.0°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	5.83	7.24	8.85	10.65	12.75	15.00	17.55	18.65	20.30
32.0		6.82	8.35	10.10	12.00	14.20	16.60	17.60	19.20
38.0			7.72	9.33	11.15	13.15	15.35	16.30	17.80
43.0				8.67	10.35	12.25	14.30	15.20	
46.0				8.26	9.87	11.65			
49.0									

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	3.30	3.55	3.82	4.10	4.39	4.71	5.05	5.20	5.42
32.0		3.88	4.17	4.46	4.78	5.11	5.47	5.61	5.85
38.0			4.63	4.95	5.28	5.63	6.01	6.16	6.40
43.0				5.39	5.74	6.11	6.49	6.65	
46.0				5.68	6.04	6.41			
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	6.41	6.63	6.88	7.16	7.47	7.81	8.20	8.36	8.62
32.0		6.95	7.24	7.55	7.89	8.26	8.68	8.85	9.13
38.0			7.73	8.08	8.46	8.87	9.32	9.52	9.82
43.0				8.59	9.01	9.45	9.93	10.13	
46.0				8.93	9.36	9.83			
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	32.30	40.80	50.80	62.70	76.70	93.40	113.00	122.00	136.50
32.0		40.30	50.30	62.10	76.10	92.80	112.50	121.50	136.50
38.0			49.50	61.30	75.30	91.90	112.00	121.00	136.00
43.0				60.40	74.40	91.10	111.00	120.50	
46.0				59.80	73.80	90.50			
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 ³ /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	11.4
Compressor Locked Rotor Current, A	74

ACCESSORIES INCLUDED

Crankcase Heater	70 W External
Liquid Injection	DTC Valve
Oil separator	ALCO OSH-404
Liquid sight glass	ALCO MIA 012
Compressor contactor	12 A
Control circuit fuse	S7-904-5355-0
HP Switch	ALCO PS3 WDS (Automatic reset)
Electronic controller	Emerson XCM25D
Filter Drier	ALCO ADK Plus
Circuit breaker, over current relay	20 A

ACCESSORIES OPTIONAL

LP Adjustable Pressure Switch	Alco PS1-A3A
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50 Hz

ZXDE-060E-TFD

R449A Dew Point

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