



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	5.82	7.22	8.83	10.65	12.70	15.00	17.50	18.60	20.30
32.0		6.80	8.33	10.05	12.00	14.15	16.55	17.55	19.15
38.0			7.70	9.30	11.10	13.10	15.30	16.25	17.75
43.0				8.64	10.30	12.20	14.25	15.15	
46.0				8.23	9.84	11.65			
49.0									

50 Hz

ZXDE-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	3.30	3.55	3.82	4.10	4.39	4.71	5.05	5.19	5.42
32.0		3.88	4.17	4.46	4.78	5.11	5.46	5.61	5.84
38.0			4.63	4.95	5.28	5.63	6.00	6.16	6.40
43.0				5.39	5.74	6.10	6.49	6.65	
46.0				5.68	6.03	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	8.19	8.36	8.62
32.0		6.95	7.24	7.55	7.89	8.26	8.67	8.85	9.13
38.0			7.73	8.08	8.46	8.87	9.32	9.51	9.81
43.0				8.59	9.00	9.44	9.92	10.13	
46.0				8.93	9.36	9.82			
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	32.50	41.00	51.10	63.10	77.30	94.10	114.00	123.00	138.00
32.0		40.50	50.60	62.50	76.70	93.50	113.50	122.50	137.50
38.0			49.80	61.70	75.80	92.60	113.00	122.00	137.00
43.0				60.80	74.90	91.80	112.00	121.50	
46.0				60.20	74.30	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	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**

<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