



Minimum Evaporating Temp. With:

- 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								
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	5.36	6.71	8.31	10.15	12.20	13.10	14.50	15.70	
32.0	5.03	6.32	7.86	9.62	11.60	12.45	13.80	14.95	
38.0	4.63	5.85	7.29	8.96	10.85	11.65	12.90	14.00	
43.0	4.29	5.43	6.80	8.38	10.15	10.95	12.15	13.20	
46.0	4.08	5.18	6.50	8.03	9.75	10.50	11.65	12.65	
49.0	3.87	4.92	6.19	7.66	9.33	10.05	11.15	12.15	

50 Hz

ZXDE-060E-TFD

R134a

Ambient °C	Total Power Input, kW								
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	2.39	2.46	2.55	2.65	2.76	2.80	2.87	2.94	
32.0	2.64	2.72	2.81	2.91	3.03	3.08	3.15	3.22	
38.0	2.97	3.06	3.15	3.26	3.39	3.44	3.53	3.60	
43.0	3.29	3.37	3.48	3.60	3.73	3.78	3.87	3.95	
46.0	3.49	3.59	3.69	3.81	3.95	4.01	4.10	4.18	
49.0	3.72	3.81	3.92	4.04	4.18	4.24	4.34	4.42	

Ambient °C	Current at 400 V, A								
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	4.33	4.42	4.52	4.62	4.72	4.77	4.83	4.88	
32.0	4.55	4.64	4.75	4.86	4.99	5.04	5.11	5.18	
38.0	4.88	4.97	5.08	5.21	5.35	5.41	5.50	5.58	
43.0	5.21	5.29	5.41	5.54	5.70	5.76	5.86	5.95	
46.0	5.44	5.52	5.63	5.77	5.93	6.00	6.11	6.20	
49.0	5.70	5.77	5.88	6.02	6.19	6.26	6.37	6.47	

Ambient °C	Mass Flow, g/s								
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	31.20	39.60	50.00	62.30	76.80	83.20	93.60	103.00	
32.0	30.70	39.10	49.40	61.80	76.30	82.80	93.30	103.00	
38.0	29.80	38.20	48.60	61.00	75.60	82.10	92.70	102.50	
43.0	29.10	37.40	47.70	60.10	74.80	81.40	92.00	101.50	
46.0	28.50	36.80	47.10	59.50	74.20	80.80	91.50	101.50	
49.0	28.00	36.20	46.40	58.80	73.60	80.20	91.00	101.00	

**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

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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