



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							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	7.91	9.45	11.15	13.05	15.10	17.25	18.15	19.55
32.0	7.39	8.81	10.40	12.10	14.00	16.00	16.80	18.10
38.0	6.74	8.01	9.41	10.95	12.60	14.35	15.10	16.20
43.0	6.18	7.31	8.55	9.90	11.35	12.95	13.60	14.60
46.0	5.83	6.87	8.01	9.25	10.60			
49.0		6.41	7.45					

50 Hz

ZXDE-060E-TFD

R404A Dew Point

Ambient °C	Total Power Input, kW							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	4.00	4.26	4.53	4.81	5.09	5.37	5.48	5.64
32.0	4.31	4.59	4.88	5.17	5.47	5.77	5.88	6.06
38.0	4.74	5.04	5.35	5.66	5.97	6.28	6.41	6.59
43.0	5.15	5.46	5.78	6.11	6.43	6.76	6.88	7.07
46.0	5.43	5.75	6.07	6.40	6.73			
49.0		6.05	6.38					

Ambient °C	Current at 400 V, A							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	7.44	7.73	8.02	8.32	8.63	8.96	9.10	9.32
32.0	7.80	8.13	8.45	8.78	9.12	9.47	9.61	9.84
38.0	8.28	8.66	9.03	9.40	9.77	10.14	10.29	10.52
43.0	8.73	9.16	9.57	9.97	10.36	10.75	10.91	11.15
46.0	9.03	9.48	9.92	10.34	10.74			
49.0		9.83	10.29					

Ambient °C	Mass Flow, g/s							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	58.20	71.20	86.60	104.50	125.50	150.50	161.50	179.50
32.0	57.70	70.60	85.80	103.50	124.50	149.00	160.00	178.00
38.0	57.10	69.70	84.60	102.00	122.50	147.00	158.00	176.00
43.0	56.50	68.80	83.30	100.50	120.50	144.50	156.00	174.00
46.0	56.20	68.20	82.40	99.20	119.00			
49.0		67.60	81.40					

**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