



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return — 10 K Suction Superheat
- 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	3.29	3.93	4.70	5.59	6.58	7.65	8.79	9.26	9.98
32.0	3.00	3.65	4.40	5.24	6.16	7.14	8.17	8.59	9.22
38.0		3.32	4.03	4.80	5.62	6.47	7.35	7.71	8.25
43.0			3.68	4.37	5.10	5.85	6.60	6.91	7.37
46.0			3.44	4.09	4.76	5.43	6.12	6.39	
49.0				3.77	4.38				

50 Hz

ZXDE-030E-TFD

R404A 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	1.80	1.90	2.00	2.09	2.19	2.28	2.38	2.41	2.46
32.0	1.96	2.07	2.18	2.29	2.40	2.51	2.60	2.64	2.69
38.0		2.31	2.44	2.56	2.69	2.80	2.90	2.94	2.99
43.0			2.68	2.81	2.94	3.06	3.16	3.20	3.25
46.0			2.83	2.97	3.11	3.22	3.32	3.36	
49.0				3.14	3.27				

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	3.61	3.72	3.82	3.93	4.05	4.16	4.28	4.33	4.40
32.0	3.78	3.91	4.04	4.17	4.30	4.43	4.55	4.60	4.67
38.0		4.18	4.34	4.50	4.65	4.79	4.92	4.97	5.04
43.0			4.63	4.80	4.97	5.12	5.26	5.32	5.39
46.0			4.81	5.00	5.18	5.34	5.49	5.54	
49.0				5.22	5.40				

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	23.50	28.60	35.00	42.80	52.00	62.70	75.20	80.70	89.60
32.0	22.80	28.20	34.90	42.70	51.90	62.50	74.70	80.10	88.70
38.0		27.80	34.70	42.60	51.60	61.90	73.70	78.80	87.10
43.0			34.20	42.10	51.00	60.90	72.20	77.10	85.10
46.0			33.70	41.50	50.20	59.90	70.90	75.70	
49.0				40.60	49.20				

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	ZX030E/60 W
Number of Fans	1
Total Fan Power Input, W	116
Depth/Width, mm	1035/446
Height, mm	840
Base mounting (hole dia), mm	580 x 388 (12)
Net Weight, kg	79
Receiver Capacity, l	4.1
Liquid Line, inch	1/2
Air Flow, m ³ /s	0.81
High Side PS gauge, bar	28.8
Low Side PS gauge, bar	21
Suction Type	Cu Tube
Suction Diameter, inch	3/4
Sound Pressure @ 10m (MT), dBA	39
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	6.7
Compressor Locked Rotor Current, A	40

ACCESSORIES INCLUDED

Crankcase Heater	70 W External
Liquid Injection	DTC Valve
Oil separator	ALCO OSH-404
Liquid sight glass	ALCO MIA 012
Compressor contactor	18 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	10 A

ACCESSORIES OPTIONAL

LP Adjustable Pressure Switch	Alco PS1-A3A
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50 Hz

ZXDE-030E-TFD

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MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00