



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	2.73	3.44	4.25	5.16	6.18	7.32	8.57	9.10	9.93
32.0		3.25	4.02	4.89	5.85	6.92	8.09	8.59	9.38
38.0			3.73	4.53	5.42	6.41	7.50	7.96	8.68
43.0				4.22	5.05	5.96	6.97	7.40	8.08
46.0				4.02	4.81	5.68	6.65		
49.0				3.82	4.57				

50 Hz

ZXDE-030E-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	1.56	1.67	1.79	1.92	2.07	2.22	2.39	2.46	2.56
32.0		1.86	1.98	2.11	2.25	2.40	2.56	2.63	2.73
38.0			2.26	2.39	2.52	2.66	2.81	2.87	2.96
43.0				2.66	2.78	2.92	3.05	3.11	3.20
46.0				2.85	2.96	3.09	3.22		
49.0				3.05	3.16				

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	3.32	3.46	3.62	3.79	3.98	4.17	4.38	4.46	4.59
32.0		3.72	3.87	4.03	4.21	4.40	4.59	4.67	4.80
38.0			4.23	4.38	4.55	4.72	4.91	4.99	5.11
43.0				4.72	4.88	5.05	5.23	5.30	5.41
46.0				4.96	5.11	5.27	5.44		
49.0				5.21	5.35				

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	15.15	19.40	24.40	30.20	37.10	45.20	54.80	59.10	66.10
32.0		19.20	24.20	30.10	36.90	45.00	54.50	58.80	65.90
38.0			23.90	29.70	36.50	44.60	54.10	58.40	65.40
43.0				29.40	36.10	44.10	53.60	57.90	65.00
46.0				29.10	35.80	43.80	53.30		
49.0				28.80	35.50				

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

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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