



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 20 °C Suction Gas Return
- Maximum Evaporating Temperature — Maximum Pressure Limit

Suction Return Temperature 20.0°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	2.74	3.45	4.26	5.17	6.19	7.33	8.58	9.11	9.95
32.0		3.26	4.03	4.90	5.86	6.93	8.11	8.61	9.40
38.0			3.74	4.54	5.44	6.43	7.52	7.98	8.71
43.0				4.23	5.06	5.98	7.00	7.43	8.11
46.0				4.04	4.83	5.71	6.67		
49.0				3.84	4.59				

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	2.79	2.92	3.06	3.11	3.20
46.0				2.85	2.97	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	4.68	4.80
38.0			4.23	4.38	4.55	4.72	4.91	4.99	5.11
43.0				4.73	4.88	5.05	5.23	5.30	5.41
46.0				4.96	5.11	5.27	5.44		
49.0				5.21	5.36				

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	15.05	19.30	24.20	30.00	36.90	44.90	54.40	58.60	65.50
32.0		19.10	24.10	29.90	36.60	44.60	54.10	58.30	65.30
38.0			23.80	29.50	36.30	44.20	53.60	57.90	64.80
43.0				29.20	35.90	43.80	53.20	57.40	64.40
46.0				28.90	35.60	43.50	52.80		
49.0				28.70	35.30				

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

R449A Dew Point

MOTOR OPTIONS

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