



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	3.99	5.04	6.24	7.62	9.17	10.95	12.90	13.75	15.10
32.0		4.75	5.90	7.21	8.69	10.35	12.25	13.05	14.30
38.0		4.37	5.46	6.69	8.07	9.63	11.35	12.10	13.30
43.0			5.06	6.22	7.52	8.98	10.60	11.30	12.45
46.0				5.93	7.17	8.57	10.15	10.80	11.90
49.0				5.62	6.81	8.15	9.65	10.30	11.30

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	2.14	2.26	2.35	2.44	2.52	2.64	2.79	2.86	2.98
32.0		2.48	2.61	2.72	2.82	2.93	3.07	3.14	3.25
38.0		2.75	2.95	3.10	3.23	3.36	3.51	3.57	3.68
43.0			3.25	3.46	3.63	3.78	3.94	4.01	4.12
46.0				3.68	3.88	4.06	4.23	4.30	4.42
49.0				3.92	4.15	4.36	4.55	4.62	4.74

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	3.78	3.93	4.04	4.13	4.24	4.38	4.56	4.66	4.81
32.0		4.18	4.34	4.48	4.60	4.75	4.93	5.01	5.16
38.0		4.52	4.76	4.96	5.13	5.30	5.49	5.58	5.73
43.0			5.15	5.42	5.65	5.85	6.07	6.16	6.31
46.0				5.72	5.99	6.23	6.46	6.56	6.72
49.0				6.04	6.35	6.63	6.89	7.00	7.16

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	21.60	27.60	34.60	42.80	52.50	63.90	77.30	83.30	93.10
32.0		27.10	34.20	42.50	52.10	63.50	76.90	83.00	92.80
38.0		26.50	33.60	41.80	51.50	62.90	76.30	82.30	92.20
43.0			32.90	41.10	50.70	62.10	75.50	81.60	91.50
46.0				40.60	50.20	61.50	75.00	81.10	91.00
49.0				40.00	49.60	60.90	74.40	80.50	90.50

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	ZX075E/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	104
Receiver Capacity, l	5.9
Liquid Line, inch	1/2
Air Flow, m ³ /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	40
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	7.9
Compressor Locked Rotor Current, A	48

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-040E-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