



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	6.58	8.17	9.99	12.05	14.40	17.00	19.90	21.10	23.10
32.0		7.70	9.43	11.40	13.60	16.05	18.80	19.95	21.80
38.0			8.72	10.55	12.60	14.90	17.45	18.50	20.20
43.0				9.81	11.75	13.85	16.25	17.25	
46.0				9.35	11.20	13.25			
49.0				8.88					

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	3.57	3.86	4.13	4.40	4.69	5.01	5.38	5.54	5.79
32.0		4.22	4.53	4.83	5.14	5.47	5.83	5.99	6.24
38.0			5.05	5.40	5.74	6.09	6.46	6.62	6.87
43.0				5.91	6.29	6.67	7.06	7.22	
46.0				6.24	6.65	7.04			
49.0				6.57					

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	7.52	7.81	8.08	8.37	8.69	9.06	9.49	9.69	10.01
32.0		8.16	8.50	8.84	9.19	9.59	10.04	10.24	10.57
38.0			9.09	9.51	9.92	10.36	10.84	11.05	11.39
43.0				10.15	10.62	11.10	11.62	11.84	
46.0				10.57	11.08	11.60			
49.0				11.02					

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	36.40	45.90	57.20	70.60	86.40	105.00	127.50	137.50	154.00
32.0		45.30	56.60	69.90	85.70	104.50	127.00	137.00	153.50
38.0			55.70	69.00	84.80	103.50	126.00	136.00	153.00
43.0				68.00	83.80	102.50	125.00	135.50	
46.0				67.40	83.10	102.00			
49.0				66.70					

**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	118
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	42
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	14
Compressor Locked Rotor Current, A	100

**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-075E-TFD

R449A Dew Point

**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