



Minimum Evaporating Temp. With:

— 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								
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	6.11	7.57	9.25	11.15	13.35	14.25	15.75	17.05	
32.0	5.80	7.19	8.80	10.60	12.65	13.55	14.95	16.15	
38.0	5.41	6.73	8.23	9.94	11.85	12.70	14.00	15.10	
43.0	5.07	6.32	7.75	9.35	11.15	11.95	13.15	14.20	
46.0	4.86	6.07	7.45	8.99	10.70	11.45	12.65	13.65	
49.0	4.64	5.81	7.14	8.63	10.30	11.00	12.15	13.10	

50 Hz

ZXDE-075E-TFD

R134a

Ambient °C	Total Power Input, kW								
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	2.61	2.68	2.75	2.84	2.96	3.01	3.10	3.19	
32.0	2.88	2.96	3.04	3.14	3.25	3.31	3.40	3.49	
38.0	3.26	3.34	3.43	3.53	3.65	3.71	3.81	3.90	
43.0	3.61	3.70	3.79	3.90	4.03	4.09	4.19	4.28	
46.0	3.85	3.94	4.03	4.14	4.27	4.33	4.43	4.53	
49.0	4.11	4.20	4.29	4.40	4.53	4.59	4.70	4.79	

Ambient °C	Current at 400 V, A								
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	6.89	6.94	7.00	7.08	7.18	7.24	7.33	7.42	
32.0	7.12	7.18	7.25	7.34	7.46	7.52	7.62	7.72	
38.0	7.46	7.53	7.62	7.73	7.87	7.93	8.04	8.14	
43.0	7.81	7.90	8.00	8.12	8.27	8.34	8.45	8.56	
46.0	8.06	8.16	8.26	8.39	8.55	8.62	8.74	8.85	
49.0	8.34	8.44	8.56	8.69	8.85	8.93	9.05	9.16	

Ambient °C	Mass Flow, g/s								
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	35.60	44.70	55.40	68.20	83.20	89.90	101.00	110.50	
32.0	35.30	44.40	55.10	67.90	82.80	89.50	100.50	110.00	
38.0	34.90	43.90	54.70	67.30	82.10	88.80	99.50	109.50	
43.0	34.40	43.50	54.20	66.70	81.50	88.10	98.80	108.50	
46.0	34.00	43.10	53.80	66.40	81.10	87.60	98.30	108.00	
49.0	33.60	42.70	53.40	65.90	80.60	87.20	97.80	107.50	

**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	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

R134a

**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