



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	3.59	4.51	5.61	6.88	8.34	8.98	10.00		
32.0	3.39	4.27	5.32	6.55	7.95	8.56	9.54	10.40	
38.0	3.14	3.98	4.97	6.13	7.46	8.04	8.96	9.79	
43.0	2.94	3.73	4.67	5.77	7.03	7.58	8.47	9.26	
46.0	2.81	3.58	4.48	5.54	6.77	7.31	8.16	8.93	
49.0	2.69	3.42	4.30	5.32	6.50	7.02	7.85	8.59	

50 Hz

ZXDE-040E-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	1.64	1.66	1.70	1.74	1.78	1.80	1.84		
32.0	1.80	1.82	1.86	1.90	1.95	1.97	2.01	2.04	
38.0	2.00	2.04	2.08	2.12	2.17	2.19	2.23	2.26	
43.0	2.19	2.23	2.28	2.33	2.38	2.40	2.44	2.47	
46.0	2.32	2.36	2.41	2.46	2.52	2.54	2.58	2.61	
49.0	2.45	2.50	2.55	2.60	2.66	2.69	2.73	2.76	

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	3.88	3.90	3.92	3.96	4.01	4.04	4.08		
32.0	4.04	4.06	4.10	4.14	4.20	4.22	4.26	4.30	
38.0	4.27	4.30	4.35	4.40	4.46	4.49	4.53	4.57	
43.0	4.49	4.54	4.60	4.66	4.73	4.75	4.80	4.84	
46.0	4.64	4.70	4.76	4.83	4.90	4.93	4.98	5.03	
49.0	4.81	4.87	4.95	5.02	5.10	5.13	5.18	5.23	

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	20.50	26.00	32.70	40.70	50.20	54.40	61.30		
32.0	20.20	25.70	32.40	40.50	50.00	54.20	61.20	67.50	
38.0	19.80	25.30	32.00	40.10	49.60	53.90	60.90	67.30	
43.0	19.40	24.90	31.60	39.60	49.20	53.60	60.60	67.10	
46.0	19.20	24.70	31.30	39.40	49.00	53.30	60.40	66.90	
49.0	18.95	24.40	31.00	39.10	48.70	53.00	60.10	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	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

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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