



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	4.16	5.05	6.09	7.30	8.68	9.28	10.25		
32.0	3.92	4.76	5.75	6.89	8.19	8.76	9.66	10.45	
38.0	3.61	4.40	5.31	6.37	7.57	8.09	8.93	9.67	
43.0	3.35	4.08	4.93	5.91	7.03	7.51	8.29	8.98	
46.0	3.19	3.89	4.70	5.63	6.69	7.16	7.90	8.56	
49.0	3.03	3.69	4.46	5.34	6.35	6.79	7.50	8.12	

Additional restrictions, please see application guidelines

50 Hz ZXDE-040E-TFD R513A

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	1.52	1.58	1.64	1.71	1.78	1.82	1.88		
32.0	1.64	1.70	1.78	1.85	1.94	1.97	2.03	2.08	
38.0	1.82	1.89	1.97	2.05	2.14	2.18	2.24	2.30	
43.0	2.00	2.08	2.17	2.26	2.36	2.40	2.47	2.53	
46.0	2.13	2.22	2.31	2.40	2.51	2.55	2.62	2.68	
49.0	2.28	2.37	2.47	2.57	2.67	2.72	2.79	2.86	

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	3.11	3.17	3.23	3.30	3.39	3.43	3.49		
32.0	3.23	3.30	3.37	3.45	3.54	3.58	3.65	3.71	
38.0	3.42	3.50	3.58	3.67	3.77	3.82	3.89	3.96	
43.0	3.61	3.71	3.81	3.91	4.02	4.07	4.16	4.23	
46.0	3.76	3.86	3.97	4.08	4.20	4.26	4.34	4.42	
49.0	3.93	4.05	4.16	4.28	4.41	4.47	4.56	4.64	

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	27.10	33.30	40.70	49.50	60.00	64.60	72.30		
32.0	26.80	32.90	40.30	49.00	59.40	64.10	71.70	78.60	
38.0	26.30	32.30	39.60	48.30	58.50	63.20	70.70	77.60	
43.0	25.80	31.70	38.90	47.50	57.60	62.20	69.60	76.50	
46.0	25.40	31.40	38.40	46.90	57.00	61.50	68.90	75.70	
49.0	25.10	30.90	37.90	46.30	56.20	60.70	68.10	74.90	

Additional restrictions, please see application guidelines

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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Additional restrictions, please see application guidelines

50 Hz

ZXDE-040E-TFD

R513A

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

Additional restrictions, please see application guidelines