



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							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	8.94	10.70	12.65	14.80	17.10	19.60	20.60	22.20
32.0	8.35	9.97	11.75	13.75	15.85	18.15	19.10	20.60
38.0	7.62	9.07	10.65	12.40	14.30	16.35	17.20	18.50
43.0	6.99	8.28	9.70	11.25	12.95	14.75	15.50	16.65
46.0	6.60	7.79	9.10	10.55	12.10	13.75		
49.0		7.28	8.47					

50 Hz

ZXDE-075E-TFD

R404A Dew Point

Ambient °C	Total Power Input, kW							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	4.35	4.63	4.92	5.22	5.52	5.82	5.94	6.11
32.0	4.69	4.99	5.30	5.62	5.94	6.26	6.38	6.57
38.0	5.16	5.48	5.81	6.15	6.48	6.82	6.95	7.15
43.0	5.60	5.94	6.28	6.63	6.98	7.33	7.47	7.67
46.0	5.90	6.25	6.60	6.95	7.31	7.66		
49.0		6.58	6.93					

Ambient °C	Current at 400 V, A							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	8.76	9.09	9.42	9.77	10.13	10.51	10.67	10.92
32.0	9.18	9.55	9.93	10.31	10.70	11.10	11.27	11.53
38.0	9.74	10.18	10.61	11.03	11.46	11.89	12.07	12.34
43.0	10.28	10.77	11.24	11.71	12.16	12.62	12.80	13.07
46.0	10.62	11.15	11.65	12.14	12.61	13.08		
49.0		11.56	12.09					

Ambient °C	Mass Flow, g/s							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	65.50	80.20	97.50	118.00	141.50	169.50	182.00	202.00
32.0	64.90	79.50	96.60	116.50	140.00	168.00	180.50	201.00
38.0	64.20	78.50	95.20	115.00	138.00	165.50	178.00	198.50
43.0	63.60	77.50	93.80	113.00	136.00	163.00	175.50	196.50
46.0	63.20	76.80	92.80	112.00	134.50	161.50		
49.0		76.10	91.80					

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 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	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

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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