



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	5.64	6.79	8.09	9.55	11.20	13.00	13.80	15.00
32.0	5.27	6.34	7.54	8.90	10.40	12.10	12.80	13.95
38.0	4.80	5.77	6.85	8.07	9.43	10.95	11.60	12.60
43.0	4.39	5.26	6.24	7.33	8.57	9.94	10.55	11.45
46.0	4.13	4.94	5.85	6.88	8.03	9.32	9.87	10.75
49.0	3.86	4.61	5.45	6.40	7.47	8.67	9.20	10.00

Ambient °C	Total Power Input, kW							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	2.52	2.63	2.71	2.80	2.90	3.01	3.07	3.17
32.0	2.73	2.86	2.96	3.05	3.15	3.27	3.33	3.42
38.0	3.04	3.19	3.32	3.43	3.53	3.65	3.71	3.80
43.0	3.37	3.55	3.69	3.81	3.92	4.04	4.09	4.18
46.0	3.60	3.80	3.95	4.08	4.19	4.31	4.37	4.45
49.0	3.88	4.08	4.25	4.38	4.50	4.62	4.67	4.76

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	4.46	4.58	4.68	4.79	4.92	5.09	5.17	5.32
32.0	4.73	4.89	5.02	5.14	5.27	5.44	5.52	5.66
38.0	5.14	5.35	5.51	5.66	5.80	5.97	6.05	6.18
43.0	5.59	5.84	6.04	6.20	6.36	6.53	6.61	6.74
46.0	5.91	6.19	6.41	6.59	6.76	6.93	7.01	7.13
49.0	6.28	6.59	6.84	7.03	7.20	7.38	7.45	7.58

Ambient °C	Mass Flow, g/s							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	39.70	48.60	59.10	71.40	86.00	103.00	111.00	123.50
32.0	39.30	48.10	58.40	70.60	85.00	102.00	110.00	122.50
38.0	38.60	47.30	57.40	69.30	83.50	100.50	108.00	121.00
43.0	37.90	46.40	56.30	68.00	82.00	98.80	106.50	119.50
46.0	37.40	45.80	55.50	67.10	80.90	97.70	105.50	118.50
49.0	36.80	45.00	54.60	66.00	79.80	96.60	104.50	117.50

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	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

ZXDE-040E-TFD

R404A Dew Point

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