



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 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								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	6.56	8.15	9.97	12.05	14.35	17.00	19.85	21.10	23.00
32.0		7.68	9.41	11.35	13.55	16.05	18.75	19.90	21.70
38.0			8.70	10.50	12.55	14.85	17.40	18.45	20.20
43.0				9.78	11.70	13.80	16.20	17.20	
46.0				9.31	11.15	13.20			
49.0				8.84					

Ambient °C	Total Power Input, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	3.57	3.85	4.12	4.40	4.69	5.01	5.38	5.54	5.79
32.0		4.21	4.53	4.83	5.13	5.46	5.83	5.98	6.23
38.0			5.05	5.40	5.74	6.09	6.46	6.61	6.86
43.0				5.91	6.29	6.66	7.05	7.21	
46.0				6.23	6.64	7.04			
49.0				6.57					

Ambient °C	Current at 400 V, A								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	7.52	7.81	8.08	8.37	8.68	9.05	9.49	9.68	10.00
32.0		8.16	8.50	8.84	9.19	9.59	10.04	10.24	10.56
38.0			9.09	9.50	9.92	10.35	10.84	11.05	11.38
43.0				10.14	10.61	11.10	11.61	11.83	
46.0				10.56	11.08	11.59			
49.0				11.01					

Ambient °C	Mass Flow, g/s								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	36.60	46.20	57.60	71.00	87.00	106.00	128.50	138.50	155.50
32.0		45.60	57.00	70.40	86.40	105.50	128.00	138.00	155.00
38.0			56.10	69.50	85.40	104.50	127.00	137.50	154.50
43.0				68.50	84.40	103.50	126.50	136.50	
46.0				67.80	83.70	103.00			
49.0				67.10					

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

R449A 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