



Minimum Evaporating Temp. With:	
— 20 K Suction Superheat	— 20 K Suction Superheat Liquid injection
— 20 °C Suction Gas Return Liquid injection	— Maximum Pressure Limit
— Maximum Evaporating Temperature	

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	4.11	5.28	6.64	8.21	10.00	12.05	14.40	17.00	19.85	23.00	24.30
32.0	3.98	5.10	6.40	7.89	9.60	11.55	13.75	16.20	18.90	21.80	23.10
38.0	3.77	4.81	6.00	7.38	8.96	10.75	12.75	15.05	17.55		
43.0											
46.0											
49.0											

Ambient °C	Total Power Input, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	3.13	3.48	3.79	4.08	4.36	4.62	4.87	5.13	5.40	5.69	5.80
32.0	3.49	3.85	4.18	4.49	4.77	5.05	5.32	5.59	5.87	6.17	6.29
38.0	4.06	4.44	4.78	5.10	5.40	5.68	5.96	6.25	6.54		
43.0											
46.0											
49.0											

Ambient °C	Current at 400 V, A										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	5.34	5.96	6.52	7.03	7.50	7.95	8.38	8.80	9.23	9.67	9.85
32.0	5.99	6.62	7.19	7.72	8.20	8.66	9.09	9.52	9.95	10.39	10.58
38.0	6.98	7.62	8.21	8.74	9.22	9.68	10.12	10.54	10.97		
43.0											
46.0											
49.0											

Ambient °C	Mass Flow, g/s										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	17.40	22.90	29.40	37.30	46.70	58.00	71.40	87.20	105.50	127.00	136.00
32.0	17.10	22.50	28.90	36.60	45.80	56.90	70.10	85.60	103.50	124.50	134.00
38.0	16.60	21.80	28.00	35.40	44.40	55.20	68.10	83.20	101.00		
43.0											
46.0											
49.0											

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	121
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 (LT), dBA	41
Sound Pressure @ 10m (MT), dBA	41
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35.0/40.0/20.0 °C at 50 Hz
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	14.6
Compressor Locked Rotor Current, A	101

ACCESSORIES INCLUDED

Crankcase Heater	70 W External
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
Vapour Injection	Expansion Valve
Circuit breaker, over current relay	20 A
Suction Accumulator	ALCO A12-507

50 Hz

ZXLE-075E-TFD

R449A Dew Point

ACCESSORIES OPTIONAL

LP Adjustable Pressure Switch

Alco PS1-A3A

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00