



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

Suction Return Temperature 20.0°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	2.56	3.28	4.14	5.12	6.22	7.44	8.78	10.20	11.75	13.35	14.05
32.0	2.47	3.16	3.97	4.89	5.92	7.07	8.31	9.66	11.10		
38.0											
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	2.10	2.33	2.54	2.75	2.95	3.16	3.36	3.56	3.77	3.97	4.06
32.0	2.35	2.61	2.85	3.08	3.30	3.51	3.72	3.93	4.14		
38.0											
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	3.71	3.99	4.25	4.51	4.76	5.02	5.28	5.55	5.82	6.10	6.21
32.0	4.01	4.33	4.63	4.92	5.20	5.48	5.76	6.04	6.32		
38.0											
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	11.15	14.65	18.80	23.80	29.80	37.00	45.50	55.40	67.10	80.50	86.40
32.0	10.95	14.35	18.40	23.30	29.10	36.10	44.50	54.30	65.70		
38.0											
43.0											
46.0											
49.0											

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	ZX040E/60 W
Number of Fans	1
Total Fan Power Input, W	116
Depth/Width, mm	1035/446
Height, mm	840
Base mounting (hole dia), mm	580 x 388 (12)
Net Weight, kg	93
Receiver Capacity, l	4.1
Liquid Line, inch	1/2
Air Flow, m ³ /s	0.81
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	38
Sound Pressure @ 10m (MT), dBA	38
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	9.2
Compressor Locked Rotor Current, A	51.5

ACCESSORIES INCLUDED

Crankcase Heater	70 W External
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
Vapour Injection	Expansion Valve
Circuit breaker, over current relay	10 A
Suction Accumulator	ALCO A09-507

50 Hz

ZXLE-040E-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