



Minimum Evaporating Temp. With:	
<span style="color: purple;">—</span> 20 K Suction Superheat	<span style="color: yellow;">—</span> 20 K Suction Superheat Liquid injection
<span style="color: red;">—</span> 20 °C Suction Gas Return Liquid injection	
<span style="color: blue;">—</span> Maximum Evaporating Temperature	<span style="color: red;">—</span> Maximum Pressure Limit

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	2.55	3.28	4.13	5.11	6.21	7.43	8.77	10.20	11.75	13.35	14.00
32.0	2.46	3.16	3.96	4.89	5.92	7.06	8.30	9.64	11.05		
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	3.73	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	4.77	5.02	5.28	5.55	5.82	6.10	6.21
32.0	4.01	4.33	4.64	4.92	5.21	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	11.20	14.75	18.90	23.90	30.00	37.20	45.80	55.80	67.60	81.20	87.20
32.0	11.00	14.45	18.50	23.40	29.30	36.40	44.80	54.60	66.20		
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 <sup>3</sup> /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