



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	1.66	2.13	2.69	3.33	4.08	4.95	5.94	7.07	8.33	9.75	10.35
32.0	1.59	2.05	2.59	3.21	3.93	4.76	5.71	6.79	8.01	9.36	9.95
38.0	1.50	1.94	2.45	3.04	3.72	4.50	5.40	6.42	7.57	8.86	
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	1.44	1.54	1.64	1.72	1.80	1.87	1.94	2.01	2.09	2.17	2.20
32.0	1.62	1.74	1.86	1.94	2.02	2.10	2.17	2.24	2.30	2.38	2.41
38.0	1.88	2.03	2.15	2.25	2.34	2.42	2.49	2.55	2.62	2.68	
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	3.30	3.41	3.50	3.58	3.66	3.73	3.80	3.88	3.96	4.05	4.09
32.0	3.47	3.60	3.71	3.81	3.89	3.98	4.05	4.13	4.22	4.31	4.35
38.0	3.73	3.90	4.03	4.15	4.25	4.35	4.44	4.52	4.62	4.71	
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	7.01	9.27	11.95	15.20	19.15	23.90	29.70	36.50	44.50	53.80	57.90
32.0	6.86	9.10	11.75	15.00	18.90	23.60	29.30	36.00	44.00	53.20	57.30
38.0	6.63	8.85	11.45	14.65	18.50	23.20	28.80	35.40	43.30	52.40	
43.0											
46.0											
49.0											

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	ZX030E/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	81
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	3/4
Sound Pressure @ 10m (LT), dBA	37
Sound Pressure @ 10m (MT), dBA	37
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	6.7
Compressor Locked Rotor Current, A	35.7

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-030E-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