



Minimum Evaporating Temp. With:	
<span style="color: pink;">—</span> 20 K Suction Superheat	<span style="color: yellow;">—</span> 20 K Suction Superheat Liquid injection
<span style="color: brown;">—</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 Superheat 10.0K

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	1.14	1.53	2.00	2.54	3.15	3.83	4.58	5.39	6.26	7.19	7.58
32.0	1.08	1.46	1.91	2.42	3.01	3.65	4.36	5.12	5.94	6.81	7.17
38.0	0.99	1.36	1.78	2.27	2.81	3.41	4.06	4.77	5.52	6.32	6.65
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	1.24	1.31	1.38	1.44	1.52	1.58	1.66	1.73	1.80	1.88	1.92
32.0	1.42	1.48	1.56	1.64	1.72	1.80	1.88	1.96	2.05	2.14	2.17
38.0	1.69	1.77	1.85	1.94	2.02	2.12	2.21	2.31	2.40	2.51	2.55
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	2.72	2.77	2.82	2.89	2.95	3.02	3.10	3.18	3.27	3.36	3.40
32.0	2.86	2.93	3.00	3.08	3.16	3.25	3.35	3.46	3.57	3.68	3.73
38.0	3.13	3.22	3.32	3.42	3.53	3.65	3.77	3.91	4.04	4.19	4.25
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	4.56	6.25	8.24	10.60	13.45	16.80	20.80	25.40	30.80	37.10	39.80
32.0	4.38	6.05	8.00	10.30	13.10	16.35	20.20	24.80	30.00	36.10	38.80
38.0	4.14	5.76	7.65	9.89	12.55	15.70	19.45	23.80	29.00	34.90	37.50
43.0											
46.0											
49.0											

**CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

Condenser/Fan Type	ZX020E/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	79
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	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	5.7
Compressor Locked Rotor Current, A	39.2

**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-020E-TFD

R407F 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