



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	1.66	2.14	2.69	3.33	4.08	4.95	5.94	7.07	8.34	9.75	10.35
32.0	1.60	2.06	2.59	3.21	3.93	4.76	5.71	6.80	8.01	9.37	9.95
38.0	1.50	1.94	2.45	3.04	3.72	4.51	5.41	6.43	7.58	8.87	
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	2.16	2.20
32.0	1.62	1.74	1.85	1.94	2.02	2.10	2.17	2.23	2.30	2.37	2.40
38.0	1.88	2.02	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 230 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	6.47	6.94	7.35	7.71	8.03	8.33	8.63	8.94	9.25	9.59	9.73
32.0	7.25	7.79	8.25	8.64	8.99	9.30	9.60	9.89	10.19	10.50	10.63
38.0	8.35	8.99	9.52	9.97	10.34	10.68	10.98	11.26	11.54	11.83	
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	6.98	9.22	11.90	15.15	19.05	23.80	29.50	36.20	44.10	53.40	57.40
32.0	6.83	9.05	11.70	14.90	18.80	23.50	29.10	35.80	43.60	52.80	56.80
38.0	6.60	8.80	11.40	14.55	18.40	23.00	28.60	35.20	42.90	52.00	
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 (220-240 V / 1~ / 50 Hz)

Compressor Maximum Operating Current, A	17.8
Compressor Locked Rotor Current, A	82.3

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-PFJ

R449A Dew Point

ACCESSORIES OPTIONAL

LP Adjustable Pressure Switch

Alco PS1-A3A

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
PFJ	220-240 V / 1~ / 50 Hz	230		PSC	1.00