



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	1.32	1.78	2.34	2.99	3.73	4.56	5.48	6.49	7.58	8.75	9.24
32.0	1.26	1.71	2.25	2.88	3.59	4.38	5.26	6.23	7.27	8.38	8.85
38.0	1.17	1.60	2.12	2.71	3.38	4.13	4.96	5.86	6.84	7.89	8.32
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	1.30	1.44	1.54	1.62	1.70	1.76	1.82	1.86	1.92	1.96	1.99
32.0	1.46	1.60	1.72	1.82	1.90	1.96	2.02	2.07	2.12	2.16	2.18
38.0	1.68	1.84	1.98	2.10	2.19	2.26	2.32	2.37	2.41	2.44	2.45
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	5.73	6.27	6.71	7.08	7.38	7.65	7.89	8.12	8.33	8.55	8.64
32.0	6.38	7.00	7.51	7.92	8.27	8.56	8.80	9.02	9.22	9.41	9.49
38.0	7.30	8.03	8.63	9.12	9.52	9.84	10.10	10.31	10.49	10.65	10.70
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	5.65	7.77	10.30	13.30	16.95	21.30	26.50	32.60	39.80	48.10	51.80
32.0	5.47	7.57	10.05	13.05	16.65	21.00	26.10	32.20	39.30	47.50	51.10
38.0	5.20	7.25	9.69	12.60	16.15	20.40	25.40	31.40	38.40	46.50	50.00
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	79
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	15.6
Compressor Locked Rotor Current, A	73.7

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-025E-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