



Minimum Evaporating Temp. With:

- 20 K Suction Superheat — 20 °C Suction Gas Return
- 10 K Suction Superheat OEM envelope
- Maximum Evaporating Temperature — Maximum Pressure Limit

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW									
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0		1.60	1.94	2.32	2.75	3.23	3.75	4.32	4.56	4.93
32.0		1.49	1.80	2.16	2.56	3.00	3.48	4.00	4.22	4.56
38.0		1.36	1.64	1.96	2.31	2.70	3.13	3.60	3.79	4.10
43.0				1.78	2.10	2.45	2.83	3.25	3.43	
46.0				1.68	1.97	2.29	2.65			
49.0										

Ambient °C	Total Power Input, kW									
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0		1.06	1.14	1.20	1.26	1.32	1.36	1.40	1.42	1.44
32.0		1.15	1.23	1.30	1.37	1.43	1.48	1.52	1.54	1.56
38.0		1.27	1.36	1.44	1.52	1.58	1.64	1.68	1.70	1.72
43.0				1.57	1.64	1.72	1.78	1.82	1.84	
46.0				1.66	1.74	1.80	1.86			
49.0										

Ambient °C	Current at 230 V, A									
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0		4.46	4.80	5.10	5.37	5.62	5.83	6.02	6.09	6.17
32.0		4.87	5.24	5.57	5.87	6.14	6.37	6.57	6.64	6.74
38.0		5.42	5.83	6.20	6.53	6.82	7.08	7.29	7.36	7.46
43.0				6.79	7.14	7.45	7.71	7.93	8.01	
46.0				7.16	7.53	7.85	8.12			
49.0										

Ambient °C	Mass Flow, g/s									
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0		11.45	14.15	17.40	21.30	25.80	31.20	37.50	40.40	45.10
32.0		11.35	14.05	17.25	21.00	25.50	30.80	37.20	40.10	44.80
38.0		11.20	13.85	17.00	20.70	25.10	30.40	36.80	39.70	44.50
43.0				16.75	20.40	24.80	30.10	36.50	39.50	
46.0				16.60	20.30	24.60	29.90			
49.0										

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	ZX015E/YDK50-6
Number of Fans	1
Total Fan Power Input, W	106
Depth/Width, mm	846/322
Height, mm	605
Base mounting (hole dia), mm	564 x 323 (12)
Net Weight, kg	56
Receiver Capacity, l	1.8
Liquid Line, inch	3/8
Air Flow, m ³ /s	0.66
High Side PS gauge, bar	31
Low Side PS gauge, bar	21.6
Suction Type	Cu Tube
Suction Diameter, inch	1/2
Sound Pressure @ 10m (MT), dBA	37
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	8.7
Compressor Locked Rotor Current, A	45

ACCESSORIES INCLUDED

Crankcase Heater	40 W External
Discharge Temperature Protection	Discharge Line Thermostat
Liquid sight glass	ALCO MIA 012
Compressor contactor	12 A
Control circuit fuse	12 A 10x38
Fan speed control	ALCO FSY42S
HP Switch	PS4-W1 21X28
Filter Drier	ALCO ADK Plus
LP Adjustable Pressure Switch	Alco PS1-W3A

ACCESSORIES OPTIONAL

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

