



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 20 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	2.48	3.11	3.87	4.77					
15.0	2.35	2.97	3.70	4.57	5.60				
20.0	2.22	2.81	3.52	4.36	5.35	6.50			
25.0	2.07	2.65	3.33	4.14	5.09	6.20	7.48		
30.0	1.92	2.48	3.13	3.91	4.81	5.87	7.10	7.64	8.51
35.0		2.31	2.93	3.66	4.53	5.54	6.71	7.23	8.07
40.0			2.71	3.41	4.23	5.19	6.31	6.81	7.61
45.0				3.15	3.92	4.83	5.89	6.37	7.13
50.0					3.60	4.46	5.46	5.91	6.64
55.0						4.08	5.02	5.44	6.13

50 Hz

ZB15KCE-PFJ

R407A Dew Point

Cond °C	Power, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	0.70	0.70	0.71	0.72					
15.0	0.78	0.80	0.80	0.81	0.82				
20.0	0.88	0.90	0.90	0.91	0.91	0.92			
25.0	1.00	1.01	1.02	1.02	1.02	1.02	1.03		
30.0	1.12	1.14	1.14	1.15	1.15	1.15	1.15	1.16	1.16
35.0		1.28	1.29	1.30	1.29	1.28	1.28	1.28	1.28
40.0			1.46	1.46	1.46	1.44	1.44	1.44	1.43
45.0				1.64	1.64	1.63	1.62	1.61	1.60
50.0					1.84	1.83	1.82	1.81	1.80
55.0						2.06	2.04	2.03	2.02

Cond °C	Current at 230 V, A								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	4.68	4.72	4.76	4.80					
15.0	5.12	5.17	5.20	5.22	5.26				
20.0	5.53	5.59	5.61	5.64	5.66	5.70			
25.0	5.94	6.00	6.03	6.05	6.06	6.08	6.12		
30.0	6.37	6.44	6.47	6.48	6.48	6.49	6.50	6.51	6.54
35.0		6.91	6.95	6.96	6.95	6.94	6.93	6.93	6.94
40.0			7.49	7.50	7.49	7.46	7.43	7.42	7.41
45.0				8.12	8.11	8.07	8.02	8.00	7.98
50.0					8.83	8.78	8.72	8.69	8.65
55.0						9.62	9.55	9.51	9.46

Cond °C	Suction Mass Flow, g/s								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	13.50	16.65	20.40	24.80					
15.0	13.30	16.50	20.30	24.70	29.70				
20.0	13.10	16.30	20.10	24.50	29.60	35.40			
25.0	12.80	16.10	19.85	24.30	29.40	35.20	41.90		
30.0	12.50	15.80	19.60	24.00	29.10	34.90	41.60	44.50	49.10
35.0		15.45	19.25	23.60	28.70	34.50	41.20	44.10	48.70
40.0			18.85	23.20	28.30	34.10	40.70	43.60	48.30
45.0				22.70	27.70	33.50	40.20	43.10	47.80
50.0					27.10	32.90	39.60	42.50	47.20
55.0						32.20	38.90	41.80	46.60

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	5.92
Length/Width, mm	241/241
Height, mm	382
Net Weight, kg	25.3
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	0.74
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (MT), dBA	55
Sound Power (MT), dBA	66
Sound Power with Sound Shell (MT), dBA	56
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
PED Category	1
Max. Internal Free Volume, l	2.50
High Side PS gauge, bar	32
Low Side PS gauge, bar	21
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	2107
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (220-240 V / 1~ / 50 Hz)

Maximum Operating Current, A	12.8
Locked Rotor Current, A	58
Winding Resistance, ohm	1.26/3.34 (R/S)
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Single Phase Equipment	Run Capacitor
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)
Single Phase Equipment	Start Relay and Capacitor
Rotalock valves	suction and discharge

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
PFJ	265 V / 1~ / 60 Hz	265		PSC	0.75