



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

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	2.97	3.67	4.49						
15.0	2.83	3.50	4.28	5.18					
20.0	2.69	3.32	4.06	4.91	5.89				
25.0	2.54	3.14	3.84	4.64	5.56	6.61			
30.0	2.39	2.96	3.61	4.36	5.23	6.21	7.32	7.80	8.56
35.0	2.24	2.76	3.37	4.08	4.89	5.80	6.84	7.29	8.01
40.0	2.07	2.56	3.13	3.79	4.54	5.39	6.36	6.78	7.45
45.0	1.90	2.35	2.88	3.48	4.18	4.97	5.86	6.25	6.87
50.0		2.13	2.61	3.17	3.80	4.53	5.35	5.71	6.28
55.0			2.33	2.83	3.41	4.07	4.83	5.16	5.68
60.0				2.49	3.01	3.60	4.29	4.58	5.06

50 Hz

ZB15KCE-PFJ

R404A 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	0.72	0.73	0.74						
15.0	0.81	0.82	0.82	0.83					
20.0	0.91	0.92	0.92	0.93	0.93				
25.0	1.02	1.02	1.03	1.03	1.04	1.03			
30.0	1.14	1.14	1.16	1.16	1.16	1.16	1.16	1.15	1.14
35.0	1.28	1.28	1.29	1.30	1.30	1.30	1.29	1.29	1.28
40.0	1.43	1.44	1.44	1.45	1.45	1.45	1.44	1.44	1.44
45.0	1.60	1.61	1.62	1.62	1.62	1.62	1.62	1.62	1.60
50.0		1.80	1.80	1.81	1.81	1.81	1.80	1.80	1.80
55.0			2.02	2.02	2.02	2.02	2.02	2.01	2.00
60.0				2.25	2.25	2.25	2.25	2.24	2.24

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	5.13	5.17	5.21						
15.0	5.34	5.38	5.42	5.45					
20.0	5.60	5.64	5.68	5.71	5.73				
25.0	5.92	5.95	5.99	6.02	6.04	6.04			
30.0	6.29	6.33	6.36	6.39	6.41	6.41	6.40	6.39	6.36
35.0	6.74	6.78	6.81	6.84	6.85	6.85	6.84	6.83	6.80
40.0	7.27	7.31	7.34	7.36	7.37	7.38	7.36	7.35	7.32
45.0	7.89	7.92	7.95	7.97	7.98	7.98	7.96	7.95	7.93
50.0		8.62	8.65	8.67	8.68	8.68	8.66	8.65	8.62
55.0			9.45	9.47	9.48	9.48	9.46	9.45	9.42
60.0				10.38	10.39	10.39	10.37	10.35	10.32

50 Hz

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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	16.70	20.70	25.50						
15.0	16.60	20.60	25.40	30.90					
20.0	16.45	20.50	25.20	30.70	37.10				
25.0	16.35	20.30	25.00	30.40	36.80	44.20			
30.0	16.20	20.10	24.70	30.10	36.50	43.80	52.40	56.20	62.40
35.0	16.00	19.90	24.50	29.80	36.10	43.40	52.00	55.70	61.90
40.0	15.75	19.60	24.10	29.40	35.70	43.00	51.50	55.30	61.40
45.0	15.40	19.20	23.70	29.00	35.20	42.40	51.00	54.80	61.00
50.0		18.75	23.20	28.50	34.60	41.90	50.40	54.30	60.60
55.0			22.60	27.90	34.00	41.30	49.90	53.80	60.20
60.0				27.20	33.40	40.80	49.60	53.60	60.20

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /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	3922
Refrigerant's classification	A1

50 Hz

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### **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**

<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>
PFJ	220-240 V / 1~ / 50 Hz	230		PSC	1.00
PFJ	265 V / 1~ / 60 Hz	265		PSC	0.75