



Minimum Evaporating Temp. With:

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

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	1.32	1.75	2.24	2.81	3.45	4.17	4.48	4.98		
35.0	1.24	1.64	2.12	2.67	3.29	4.00	4.31	4.80	5.24	
40.0	1.16	1.54	1.99	2.52	3.12	3.82	4.12	4.60	5.04	5.49
45.0		1.44	1.86	2.36	2.94	3.61	3.91	4.38	4.81	5.26
50.0		1.34	1.73	2.20	2.75	3.40	3.68	4.14	4.55	4.99
55.0			1.60	2.03	2.55	3.17	3.44	3.88	4.28	4.71
60.0				1.87	2.35	2.93	3.19	3.61	3.99	4.40
65.0				1.71	2.14	2.68	2.92	3.32	3.69	4.08
70.0					1.94	2.43	2.65	3.03	3.37	3.74
75.0					1.74	2.17	2.38	2.72	3.04	3.39

50 Hz

ZR24KRE-PFJ

R134a

Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	0.85	0.86	0.87	0.88	0.90	0.92	0.93	0.95		
35.0	0.93	0.94	0.95	0.96	0.98	1.00	1.01	1.02	1.03	
40.0	1.02	1.02	1.03	1.05	1.06	1.08	1.10	1.10	1.12	1.13
45.0		1.12	1.14	1.15	1.16	1.18	1.19	1.20	1.22	1.23
50.0		1.23	1.25	1.26	1.28	1.30	1.30	1.32	1.32	1.34
55.0			1.36	1.38	1.40	1.42	1.42	1.44	1.44	1.46
60.0				1.52	1.54	1.56	1.56	1.58	1.58	1.60
65.0				1.68	1.70	1.72	1.72	1.73	1.74	1.75
70.0					1.86	1.88	1.90	1.90	1.92	1.92
75.0					2.05	2.08	2.09	2.10	2.11	2.11

Cond °C	Current at 230 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	5.41	5.44	5.47	5.52	5.57	5.64	5.67	5.73		
35.0	5.65	5.69	5.73	5.78	5.84	5.91	5.94	6.00	6.04	
40.0	5.93	5.98	6.03	6.09	6.16	6.23	6.26	6.31	6.36	6.41
45.0		6.33	6.39	6.45	6.52	6.60	6.63	6.68	6.73	6.77
50.0		6.73	6.81	6.88	6.95	7.03	7.06	7.11	7.16	7.20
55.0			7.29	7.37	7.45	7.53	7.56	7.61	7.66	7.70
60.0				7.94	8.02	8.10	8.14	8.19	8.23	8.28
65.0				8.58	8.68	8.76	8.80	8.85	8.89	8.93
70.0					9.42	9.51	9.55	9.60	9.64	9.69
75.0					10.27	10.36	10.40	10.45	10.50	10.54

Cond °C	Suction Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	8.64	11.25	14.15	17.35	20.90	24.70	26.40	29.00		
35.0	8.52	11.10	14.00	17.25	20.90	24.90	26.60	29.30	31.60	
40.0	8.43	10.95	13.85	17.10	20.80	24.90	26.60	29.40	31.80	34.40
45.0		10.85	13.65	16.90	20.60	24.80	26.60	29.40	31.90	34.50
50.0		10.75	13.45	16.65	20.40	24.60	26.40	29.30	31.90	34.60
55.0			13.30	16.40	20.10	24.30	26.10	29.10	31.70	34.50
60.0				16.15	19.70	23.90	25.80	28.80	31.40	34.20
65.0				15.90	19.35	23.50	25.30	28.30	31.00	33.90
70.0					18.95	23.00	24.90	27.90	30.60	33.50
75.0					18.65	22.50	24.30	27.30	30.00	33.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	5.92
Length/Width, mm	239/245
Height, mm	364
Net Weight, kg	25.3
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
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 (19)
Sound Pressure @ 1m (MT), dBA	57
Sound Power (MT), dBA	68
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	29
Low Side PS gauge, bar	21
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	1430
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
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ACCESSORIES OPTIONAL

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