



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	2.09	2.78	3.55	4.41	5.41	6.58	7.10	7.94		
35.0	1.94	2.63	3.37	4.21	5.18	6.30	6.80	7.61	8.35	
40.0	1.78	2.46	3.19	4.00	4.93	6.01	6.49	7.27	7.98	8.75
45.0		2.29	3.00	3.78	4.67	5.71	6.17	6.91	7.59	8.33
50.0		2.11	2.80	3.55	4.41	5.40	5.83	6.55	7.20	7.90
55.0			2.59	3.32	4.13	5.07	5.49	6.17	6.79	7.46
60.0				3.07	3.85	4.74	5.14	5.79	6.38	7.01
65.0				2.82	3.56	4.41	4.78	5.39	5.95	6.55
70.0					3.26	4.06	4.42	4.99	5.52	6.09
75.0					2.96	3.71	4.04	4.58	5.07	5.61

50 Hz

ZR36KRE-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	1.06	1.08	1.10	1.09	1.08	1.06	1.06	1.04		
35.0	1.16	1.20	1.20	1.20	1.20	1.18	1.18	1.17	1.16	
40.0	1.29	1.32	1.33	1.33	1.32	1.31	1.30	1.30	1.30	1.30
45.0		1.46	1.48	1.48	1.46	1.46	1.46	1.45	1.45	1.46
50.0		1.64	1.64	1.64	1.64	1.62	1.62	1.62	1.62	1.62
55.0			1.84	1.84	1.82	1.81	1.80	1.80	1.80	1.80
60.0				2.06	2.04	2.02	2.01	2.01	2.01	2.01
65.0				2.31	2.28	2.26	2.25	2.24	2.24	2.24
70.0					2.56	2.53	2.52	2.51	2.50	2.50
75.0					2.87	2.83	2.82	2.80	2.79	2.78

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	5.74	5.83	5.87	5.87	5.84	5.79	5.77	5.74		
35.0	6.18	6.26	6.30	6.30	6.28	6.25	6.23	6.21	6.19	
40.0	6.71	6.79	6.82	6.82	6.80	6.77	6.76	6.74	6.73	6.73
45.0		7.42	7.44	7.43	7.41	7.38	7.37	7.36	7.35	7.35
50.0		8.17	8.17	8.15	8.12	8.08	8.07	8.05	8.05	8.05
55.0			9.03	8.99	8.94	8.89	8.87	8.85	8.84	8.84
60.0				9.96	9.88	9.81	9.79	9.77	9.75	9.74
65.0				11.07	10.97	10.87	10.84	10.80	10.78	10.77
70.0					12.20	12.08	12.03	11.98	11.94	11.92
75.0					13.60	13.44	13.38	13.31	13.25	13.22

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	13.70	17.90	22.30	27.20	32.80	39.10	41.80	46.30		
35.0	13.40	17.75	22.30	27.20	32.80	39.10	41.90	46.40	50.40	
40.0	13.00	17.50	22.20	27.20	32.80	39.10	41.90	46.40	50.40	54.70
45.0		17.20	22.00	27.10	32.70	39.10	41.90	46.40	50.40	54.70
50.0		16.80	21.70	26.90	32.60	39.00	41.80	46.30	50.40	54.70
55.0			21.40	26.70	32.50	38.90	41.70	46.20	50.30	54.60
60.0				26.50	32.30	38.80	41.60	46.10	50.20	54.60
65.0				26.20	32.10	38.60	41.50	46.00	50.10	54.50
70.0					31.90	38.50	41.40	46.00	50.10	54.50
75.0					31.70	38.40	41.30	46.00	50.10	54.60

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	8.61
Length/Width, mm	239/245
Height, mm	387
Net Weight, kg	27.3
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.24
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	58
Sound Power (MT), dBA	69
Sound Power with Sound Shell (MT), dBA	59
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	16.4
Locked Rotor Current, A	82
Winding Resistance, ohm	0.89/1.84 (R/S)
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
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ACCESSORIES OPTIONAL

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

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