



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	2.94	3.80	4.80	5.98	7.36	8.97	9.68	10.80	11.85	12.90
35.0	2.73	3.56	4.53	5.66	6.99	8.53	9.21	10.30	11.30	12.35
40.0	2.51	3.31	4.24	5.32	6.58	8.06	8.71	9.76	10.70	11.70
45.0		3.05	3.93	4.96	6.16	7.56	8.18	9.18	10.10	11.05
50.0			3.60	4.57	5.70	7.03	7.61	8.56	9.42	10.35
55.0				4.16	5.22	6.47	7.02	7.92	8.73	9.60
60.0					4.72	5.87	6.39	7.23	8.00	8.82
65.0					4.19	5.25	5.73	6.52	7.23	8.00
67.0						5.00	5.46	6.22	6.91	7.66

50 Hz

ZR36KRE-PFJ

R407C Dew Point

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	1.53	1.52	1.50	1.50	1.48	1.44	1.42	1.40	1.36	1.32
35.0	1.72	1.70	1.70	1.69	1.68	1.64	1.63	1.60	1.57	1.53
40.0	1.92	1.92	1.91	1.90	1.88	1.86	1.84	1.81	1.78	1.74
45.0		2.16	2.15	2.14	2.12	2.09	2.08	2.04	2.01	1.98
50.0			2.44	2.42	2.40	2.37	2.35	2.31	2.28	2.24
55.0				2.76	2.73	2.69	2.67	2.63	2.59	2.54
60.0					3.12	3.07	3.05	3.00	2.96	2.90
65.0					3.60	3.53	3.50	3.45	3.40	3.34
67.0						3.74	3.71	3.65	3.60	3.53

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	7.42	7.36	7.32	7.27	7.18	7.05	6.97	6.84	6.70	6.53
35.0	8.21	8.17	8.14	8.10	8.03	7.90	7.83	7.69	7.56	7.39
40.0	9.09	9.07	9.05	9.01	8.94	8.81	8.74	8.60	8.46	8.29
45.0		10.11	10.09	10.05	9.98	9.84	9.76	9.61	9.46	9.28
50.0			11.34	11.29	11.19	11.04	10.95	10.79	10.63	10.43
55.0				12.77	12.65	12.47	12.37	12.19	12.01	11.80
60.0					14.42	14.19	14.08	13.88	13.68	13.45
65.0					16.54	16.28	16.15	15.91	15.69	15.43
67.0						17.23	17.09	16.84	16.60	16.33

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	17.20	21.80	27.20	33.30	40.40	48.50	52.10	57.70	62.80	68.10
35.0	16.75	21.50	26.80	33.00	40.10	48.20	51.80	57.40	62.50	67.80
40.0	16.20	21.00	26.40	32.60	39.60	47.80	51.30	57.00	62.10	67.40
45.0		20.40	25.80	32.00	39.00	47.10	50.70	56.40	61.40	66.80
50.0			25.10	31.20	38.30	46.30	49.90	55.50	60.60	66.00
55.0				30.30	37.30	45.30	48.80	54.50	59.60	65.00
60.0					36.10	44.00	47.50	53.20	58.30	63.70
65.0					34.60	42.50	46.00	51.60	56.70	62.20
67.0						41.80	45.30	50.90	56.00	61.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /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 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	1774
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

<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