



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									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
22.0	2.39									
25.0	2.32	2.95								
30.0	2.20	2.81	3.51	4.33						
35.0	2.09	2.68	3.34	4.12	5.04	6.13	6.62			
40.0	1.99	2.55	3.18	3.91	4.78	5.81	6.28	7.03	7.72	8.47
45.0	1.88	2.42	3.02	3.71	4.52	5.49	5.93	6.65	7.30	8.01
50.0		2.29	2.85	3.50	4.27	5.18	5.59	6.26	6.88	7.55
55.0			2.70	3.30	4.01	4.86	5.24	5.87	6.45	7.08
60.0			2.54	3.10	3.75	4.54	4.89	5.48	6.02	6.62
65.0				2.89	3.50	4.22	4.55	5.09	5.60	6.15
70.0					3.24	3.90	4.20	4.70	5.17	5.68
75.0					2.98	3.58	3.85	4.31	4.74	5.21

50 Hz

ZRD36KRE-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
22.0	0.94									
25.0	0.98	1.02								
30.0	1.06	1.10	1.15	1.20						
35.0	1.14	1.20	1.25	1.30	1.36	1.43	1.46			
40.0	1.21	1.29	1.35	1.40	1.46	1.53	1.56	1.62	1.66	1.72
45.0	1.28	1.38	1.46	1.52	1.58	1.64	1.68	1.72	1.76	1.82
50.0		1.48	1.58	1.66	1.72	1.78	1.80	1.85	1.88	1.93
55.0			1.69	1.78	1.86	1.93	1.96	2.00	2.03	2.07
60.0			1.80	1.92	2.01	2.09	2.12	2.16	2.19	2.23
65.0				2.05	2.17	2.26	2.29	2.34	2.37	2.41
70.0					2.33	2.44	2.47	2.52	2.56	2.60
75.0					2.48	2.62	2.66	2.72	2.77	2.81

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
22.0	6.06									
25.0	6.24	6.40								
30.0	6.55	6.75	6.93	7.14						
35.0	6.87	7.12	7.33	7.53	7.77	8.08	8.23			
40.0	7.18	7.50	7.75	7.97	8.20	8.47	8.60	8.82	9.03	9.28
45.0	7.47	7.88	8.20	8.46	8.70	8.95	9.06	9.25	9.43	9.64
50.0		8.26	8.66	8.98	9.24	9.50	9.60	9.77	9.93	10.11
55.0			9.12	9.52	9.83	10.11	10.21	10.38	10.52	10.68
60.0			9.58	10.07	10.45	10.77	10.89	11.06	11.20	11.35
65.0				10.62	11.10	11.48	11.61	11.80	11.95	12.09
70.0					11.75	12.22	12.37	12.59	12.76	12.92
75.0					12.41	12.98	13.17	13.43	13.62	13.80

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
22.0	14.60									
25.0	14.55	18.10								
30.0	14.50	18.05	22.10	26.70						
35.0	14.45	18.05	22.10	26.60	31.90	38.10	40.80			
40.0	14.50	18.10	22.10	26.60	31.80	37.80	40.50	44.90	48.80	53.00
45.0	14.55	18.15	22.10	26.60	31.70	37.60	40.30	44.60	48.40	52.60
50.0		18.30	22.20	26.60	31.60	37.40	40.00	44.30	48.10	52.20
55.0			22.30	26.60	31.50	37.30	39.80	44.00	47.80	51.90
60.0			22.50	26.70	31.50	37.10	39.60	43.70	47.40	51.50
65.0				26.90	31.50	37.00	39.40	43.50	47.10	51.20
70.0					31.70	37.00	39.30	43.30	46.90	50.90
75.0					31.90	37.00	39.40	43.20	46.80	50.70

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	8.34
Length/Width, mm	239/244
Height, mm	435
Net Weight, kg	30.2
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	62
Sound Power (MT), dBA	73
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	16.5
Locked Rotor Current, A	97
Winding Resistance, ohm	0.69/1.65 (R/S)
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

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