



Minimum Evaporating Temp. With:

- 10 K Suction Superheat ASERCOM certified
- 25 °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
30.0	1.92	2.46	3.11	3.88	4.78	5.82	6.28	7.02	7.69	8.39
35.0	1.79	2.31	2.94	3.68	4.54	5.54	5.99	6.70	7.34	8.03
40.0	1.64	2.15	2.75	3.45	4.28	5.24	5.67	6.35	6.97	7.62
45.0		1.98	2.54	3.21	4.00	4.91	5.32	5.97	6.56	7.19
50.0			2.33	2.96	3.70	4.56	4.95	5.57	6.12	6.72
55.0				2.70	3.39	4.20	4.56	5.14	5.66	6.23
60.0					3.06	3.81	4.15	4.69	5.18	5.71
65.0					2.73	3.42	3.73	4.23	4.68	5.17
67.0						3.26	3.55	4.04	4.48	4.96

50 Hz

ZR22K3E-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	1.01	1.01	1.01	0.99	0.98	0.96	0.95	0.93	0.91	0.88
35.0	1.14	1.13	1.12	1.12	1.10	1.08	1.08	1.06	1.04	1.02
40.0	1.28	1.27	1.26	1.25	1.24	1.22	1.22	1.20	1.18	1.16
45.0		1.44	1.42	1.42	1.40	1.38	1.37	1.36	1.34	1.32
50.0			1.62	1.60	1.58	1.56	1.55	1.54	1.52	1.50
55.0				1.83	1.80	1.78	1.76	1.74	1.73	1.71
60.0					2.06	2.03	2.01	1.99	1.97	1.95
65.0					2.37	2.32	2.30	2.28	2.26	2.23
67.0						2.45	2.43	2.41	2.38	2.36

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	5.20	5.18	5.15	5.12	5.07	4.99	4.95	4.87	4.79	4.70
35.0	5.77	5.73	5.70	5.67	5.62	5.55	5.52	5.45	5.38	5.30
40.0	6.42	6.36	6.32	6.29	6.24	6.17	6.14	6.07	6.01	5.93
45.0		7.09	7.04	6.99	6.93	6.87	6.83	6.77	6.71	6.64
50.0			7.86	7.80	7.73	7.66	7.62	7.56	7.50	7.43
55.0				8.73	8.65	8.56	8.52	8.46	8.39	8.32
60.0					9.71	9.60	9.56	9.49	9.42	9.34
65.0					10.93	10.80	10.75	10.67	10.59	10.51
67.0						11.33	11.27	11.19	11.11	11.03

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	11.25	14.15	17.60	21.60	26.20	31.50	33.80	37.50	40.80	44.20
35.0	10.95	13.95	17.40	21.40	26.10	31.40	33.70	37.40	40.70	44.20
40.0	10.65	13.65	17.10	21.10	25.80	31.10	33.40	37.10	40.40	43.90
45.0		13.25	16.70	20.70	25.40	30.60	33.00	36.70	40.00	43.50
50.0			16.25	20.20	24.80	30.10	32.40	36.10	39.40	42.90
55.0				19.60	24.20	29.40	31.70	35.40	38.70	42.20
60.0					23.40	28.60	30.80	34.50	37.80	41.30
65.0					22.50	27.60	29.90	33.50	36.80	40.20
67.0						27.20	29.50	33.10	36.30	39.80

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	5.34
Length/Width, mm	242/242
Height, mm	363
Net Weight, kg	22
Gross Weight, kg	26
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1
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 (HT), dBA	54
Sound Power (HT), dBA	65
Sound Power with Sound Shell (HT), dBA	58
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Max. Internal Free Volume, l	2.90
High Side PS gauge, bar	29.5
Low Side PS gauge, bar	20
Low Side TS Max., °C	50
Refrigerant's GWP	1774
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (220-240 V / 1~ / 50 Hz)

Maximum Operating Current, A	11.4
Locked Rotor Current, A	47
Winding Resistance, ohm	1.62/2.85 (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

50 Hz

ZR22K3E-PFJ

R407C Dew Point

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