



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	3.50	4.50	5.68	7.07	8.68	10.55	11.40	12.70	13.90	15.20
35.0	3.25	4.22	5.36	6.69	8.24	10.05	10.85	12.10	13.30	14.50
40.0	3.00	3.93	5.01	6.28	7.76	9.49	10.25	11.50	12.60	13.80
45.0		3.62	4.65	5.86	7.26	8.90	9.63	10.80	11.85	13.00
50.0			4.27	5.40	6.73	8.28	8.97	10.10	11.10	12.15
55.0				4.93	6.17	7.62	8.27	9.32	10.25	11.30
60.0					5.58	6.93	7.54	8.52	9.41	10.35
65.0					4.96	6.20	6.76	7.67	8.50	9.40
67.0						5.90	6.44	7.32	8.13	9.00

50 Hz

ZR40K3E-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	1.80	1.78	1.77	1.76	1.74	1.70	1.68	1.64	1.60	1.56
35.0	2.02	2.01	2.00	1.99	1.97	1.94	1.92	1.88	1.84	1.80
40.0	2.26	2.25	2.25	2.24	2.22	2.18	2.17	2.13	2.09	2.05
45.0		2.54	2.53	2.52	2.50	2.46	2.44	2.41	2.37	2.32
50.0			2.87	2.85	2.82	2.78	2.76	2.72	2.68	2.63
55.0				3.25	3.21	3.16	3.14	3.09	3.04	2.99
60.0					3.68	3.61	3.58	3.53	3.48	3.42
65.0					4.23	4.15	4.12	4.05	3.99	3.93
67.0						4.40	4.36	4.29	4.23	4.16

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	8.74	8.67	8.61	8.55	8.45	8.29	8.21	8.05	7.89	7.70
35.0	9.67	9.62	9.59	9.54	9.45	9.30	9.22	9.06	8.90	8.71
40.0	10.71	10.68	10.65	10.61	10.53	10.37	10.29	10.13	9.96	9.76
45.0		11.91	11.88	11.84	11.75	11.58	11.49	11.32	11.14	10.93
50.0			13.35	13.29	13.18	12.99	12.89	12.70	12.51	12.28
55.0				15.04	14.90	14.68	14.57	14.35	14.14	13.89
60.0					16.98	16.72	16.58	16.34	16.10	15.83
65.0					19.49	19.17	19.01	18.74	18.47	18.16
67.0						20.28	20.12	19.83	19.54	19.22

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	20.50	25.90	32.20	39.40	47.60	57.10	61.30	67.90	73.80	80.10
35.0	19.95	25.50	31.70	39.00	47.30	56.80	60.90	67.60	73.50	79.80
40.0	19.35	24.90	31.20	38.50	46.70	56.20	60.40	67.10	73.00	79.30
45.0		24.30	30.60	37.80	46.00	55.50	59.70	66.30	72.30	78.60
50.0			29.80	36.90	45.20	54.60	58.70	65.40	71.30	77.70
55.0				35.90	44.00	53.40	57.50	64.20	70.10	76.40
60.0					42.60	51.90	56.00	62.60	68.60	74.90
65.0					40.90	50.20	54.20	60.80	66.70	73.10
67.0						49.40	53.40	60.00	65.90	72.20

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	9.43
Length/Width, mm	242/242
Height, mm	400
Net Weight, kg	27
Gross Weight, kg	31
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.1
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	57
Sound Power (HT), dBA	68
Sound Power with Sound Shell (HT), dBA	62
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	3.10
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	23.1
Locked Rotor Current, A	100
Winding Resistance, ohm	0.75/1.81 (R/S)
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets	Standard
Discharge Temperature Protection	Internal Thermodisk

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Single Phase Equipment	Run Capacitor

50 Hz

ZR40K3E-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