



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	2.97	3.83	4.83	6.01	7.38	8.97	9.68	10.80	11.85	12.95
35.0	2.76	3.59	4.56	5.68	7.00	8.53	9.21	10.30	11.30	12.35
40.0	2.55	3.34	4.26	5.34	6.60	8.07	8.72	9.76	10.70	11.70
45.0		3.08	3.96	4.98	6.18	7.57	8.19	9.19	10.10	11.05
50.0			3.63	4.60	5.72	7.04	7.63	8.57	9.43	10.35
55.0				4.19	5.25	6.48	7.03	7.93	8.73	9.60
60.0					4.74	5.89	6.41	7.24	8.00	8.82
65.0					4.21	5.27	5.75	6.52	7.23	7.99
67.0						5.02	5.48	6.23	6.91	7.65

50 Hz

ZR34K3E-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	7.31	7.26	7.17	7.04	6.97	6.83	6.69	6.53
35.0	8.20	8.16	8.13	8.10	8.02	7.89	7.82	7.69	7.55	7.38
40.0	9.08	9.06	9.04	9.00	8.93	8.80	8.73	8.59	8.45	8.28
45.0		10.10	10.08	10.04	9.97	9.83	9.75	9.60	9.45	9.27
50.0			11.32	11.27	11.18	11.02	10.94	10.78	10.61	10.42
55.0				12.76	12.64	12.45	12.36	12.18	12.00	11.79
60.0					14.40	14.18	14.07	13.87	13.67	13.43
65.0					16.53	16.26	16.13	15.90	15.67	15.42
67.0						17.21	17.07	16.82	16.59	16.32

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	17.40	22.00	27.30	33.50	40.50	48.60	52.10	57.70	62.80	68.10
35.0	16.95	21.60	27.00	33.10	40.20	48.30	51.80	57.50	62.50	67.90
40.0	16.45	21.20	26.50	32.70	39.80	47.80	51.40	57.00	62.10	67.50
45.0		20.60	26.00	32.10	39.20	47.20	50.70	56.40	61.50	66.90
50.0			25.30	31.40	38.40	46.40	49.90	55.60	60.60	66.00
55.0				30.50	37.40	45.40	48.90	54.60	59.60	65.00
60.0					36.30	44.20	47.70	53.30	58.30	63.70
65.0					34.80	42.70	46.10	51.70	56.70	62.10
67.0						42.00	45.40	51.00	56.00	61.40

### **COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, m³/h	8.03
Length/Width, mm	246/246
Height, mm	400
Net Weight, kg	28.5
Gross Weight, kg	30
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 (8.5)
Sound Pressure @ 1m (HT), dBA	57
Sound Power (HT), dBA	68
Sound Power with Sound Shell (HT), dBA	61
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	2.60
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	17.3
Locked Rotor Current, A	76
Winding Resistance, ohm	0.94/2.07 (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

ZR34K3E-PFJ

R407C Dew Point

## **MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
PFJ	220-240 V / 1~ / 50 Hz	230		PSC	1.00
PFJ	265 V / 1~ / 60 Hz	265		PSC	0.75