



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
27.0	5.78	7.49	9.20	11.15	13.50	16.55	18.00	20.50	22.90
30.0	5.64	7.32	8.97	10.80	13.10	16.00	17.40	19.80	22.10
35.0	5.38	7.01	8.58	10.30	12.45	15.15	16.50	18.70	20.90
40.0	5.05	6.66	8.17	9.81	11.80	14.35	15.60	17.70	19.75
45.0		6.24	7.71	9.27	11.15	13.55	14.70	16.70	18.60
50.0			7.18	8.68	10.45	12.70	13.80	15.70	17.50
55.0			6.55	8.01	9.70	11.85	12.85	14.65	16.35
60.0				7.25	8.87	10.90	11.90	13.55	15.20
65.0					7.94	9.89	10.80	12.40	14.00

50 Hz

ZR61KCE-PFZ

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
27.0	2.13	2.20	2.21	2.20	2.20	2.24	2.27	2.35	2.44
30.0	2.31	2.39	2.42	2.42	2.43	2.47	2.51	2.59	2.69
35.0	2.60	2.71	2.76	2.78	2.80	2.85	2.89	2.98	3.07
40.0	2.91	3.04	3.11	3.14	3.17	3.23	3.27	3.36	3.45
45.0		3.42	3.50	3.54	3.58	3.64	3.68	3.76	3.85
50.0			3.95	4.00	4.03	4.09	4.12	4.20	4.28
55.0			4.48	4.53	4.56	4.61	4.64	4.71	4.78
60.0				5.16	5.19	5.22	5.25	5.31	5.37
65.0					5.94	5.96	5.97	6.02	6.07

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
27.0	11.41	11.59	11.68	11.72	11.77	11.87	11.93	12.07	12.22
30.0	11.99	12.19	12.31	12.40	12.50	12.67	12.77	12.95	13.14
35.0	13.04	13.25	13.40	13.53	13.71	13.96	14.10	14.35	14.61
40.0	14.32	14.50	14.64	14.79	14.99	15.30	15.46	15.76	16.06
45.0		16.04	16.14	16.27	16.47	16.80	16.97	17.29	17.62
50.0			18.03	18.10	18.26	18.57	18.74	19.07	19.40
55.0			20.40	20.38	20.47	20.73	20.89	21.19	21.52
60.0				23.24	23.22	23.39	23.52	23.79	24.09
65.0					26.63	26.67	26.76	26.97	27.22

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
27.0	32.90	42.00	50.70	60.50	72.30	87.40	94.60	107.00	118.50
30.0	33.00	42.10	50.80	60.30	71.90	86.70	93.70	106.00	117.00
35.0	33.00	42.20	50.90	60.20	71.40	85.80	92.70	104.50	115.50
40.0	32.60	42.20	50.90	60.00	71.00	85.10	91.80	103.50	114.50
45.0		41.70	50.60	59.80	70.60	84.40	91.10	102.50	113.50
50.0			50.00	59.30	70.10	83.80	90.30	101.50	112.50
55.0			48.70	58.30	69.20	82.90	89.50	101.00	111.50
60.0				56.50	67.80	81.70	88.40	99.80	111.00
65.0					65.60	80.00	86.80	98.40	109.50

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

Displacement @ 50 Hz, m³/h	14.3
Length/Width, mm	246/246
Height, mm	451
Net Weight, kg	39.5
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.66
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	60
Sound Power (HT), dBA	71
Sound Power with Sound Shell (HT), dBA	66
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	4.10
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	30
Locked Rotor Current, A	150
Winding Resistance, ohm	0.42/1.92 (R/S)
Default Enclosure Class	Not Available

### **ACCESSORIES INCLUDED**

Mounting Grommets	Standard
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### **ACCESSORIES OPTIONAL**

Crankcase Heater	70 W External
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### **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>
PFZ	220-240 V / 1~ / 50 Hz	230		PSC	1.00

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50 Hz

ZR61KCE-PFZ

R407C Dew Point

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