



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
25.0	2.45	3.08	3.83	4.71	5.73	6.90	7.41	8.24	8.97
30.0	2.29	2.89	3.61	4.45	5.43	6.55	7.04	7.83	8.53
35.0	2.12	2.69	3.38	4.18	5.11	6.18	6.65	7.40	8.07
40.0	1.93	2.48	3.13	3.89	4.78	5.79	6.24	6.95	7.59
45.0		2.26	2.87	3.59	4.42	5.38	5.80	6.48	7.08
50.0			2.59	3.27	4.05	4.95	5.35	5.99	6.55
55.0				2.92	3.65	4.50	4.87	5.46	6.00
60.0					3.23	4.01	4.35	4.90	5.40
65.0						3.47	3.78	4.29	4.74

50 Hz

ZP23K3E-PFJ

R410A Dew Point

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
25.0	1.08	1.08	1.06	1.04	1.02	1.00	0.99	0.98	0.96
30.0	1.21	1.21	1.20	1.18	1.16	1.14	1.13	1.12	1.11
35.0	1.36	1.36	1.35	1.34	1.32	1.30	1.29	1.28	1.27
40.0	1.54	1.54	1.53	1.52	1.50	1.48	1.46	1.46	1.44
45.0		1.75	1.74	1.72	1.70	1.67	1.66	1.65	1.64
50.0			1.97	1.94	1.92	1.90	1.88	1.87	1.86
55.0				2.21	2.18	2.15	2.14	2.12	2.11
60.0					2.48	2.44	2.43	2.40	2.39
65.0						2.77	2.75	2.72	2.70

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
25.0	5.44	5.42	5.36	5.28	5.19	5.09	5.05	4.99	4.95
30.0	5.98	5.97	5.92	5.85	5.77	5.68	5.65	5.60	5.56
35.0	6.64	6.62	6.58	6.51	6.43	6.35	6.32	6.27	6.24
40.0	7.42	7.40	7.35	7.28	7.20	7.11	7.08	7.03	7.00
45.0		8.32	8.25	8.17	8.08	7.98	7.95	7.90	7.86
50.0			9.31	9.21	9.09	8.98	8.94	8.88	8.83
55.0				10.40	10.26	10.13	10.07	10.00	9.94
60.0					11.60	11.43	11.37	11.28	11.21
65.0						12.92	12.84	12.73	12.64

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
25.0	13.35	16.55	20.40	24.80	29.80	35.60	38.10	42.10	45.70
30.0	13.05	16.30	20.10	24.50	29.60	35.30	37.80	41.80	45.40
35.0	12.70	16.00	19.80	24.20	29.20	35.00	37.50	41.50	45.00
40.0	12.30	15.55	19.35	23.80	28.80	34.50	37.00	41.00	44.60
45.0		15.05	18.85	23.20	28.30	34.00	36.50	40.50	44.10
50.0			18.20	22.60	27.60	33.40	35.90	39.90	43.50
55.0				21.80	26.90	32.70	35.20	39.20	42.80
60.0					26.00	31.80	34.30	38.40	42.00
65.0						30.90	33.40	37.50	41.20

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

Displacement @ 50 Hz, m³/h	4.04
Length/Width, mm	246/246
Height, mm	362
Net Weight, kg	28.6
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.12
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (19)
Sound Pressure @ 1m (HT), dBA	54
Sound Power (HT), dBA	65
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	45
Low Side PS gauge, bar	28
Low Side TS Max., °C	50
Refrigerant's GWP	2088
Refrigerant's classification	A1

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

Maximum Operating Current, A	16
Locked Rotor Current, A	58
Winding Resistance, ohm	1.26/3.34 (R/S)
Default Enclosure Class	Not Available

### **ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

### **ACCESSORIES OPTIONAL**

Crankcase Heater	70 W External
Single Phase Equipment	Run Capacitor

50 Hz

ZP23K3E-PFJ

R410A 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