



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	3.08	3.95	4.98	6.18	7.55	9.10	9.77	10.85	11.75
30.0	2.79	3.65	4.65	5.81	7.13	8.63	9.28	10.30	11.20
35.0	2.50	3.33	4.30	5.42	6.70	8.14	8.76	9.75	10.60
40.0	2.19	2.99	3.93	5.01	6.24	7.62	8.22	9.17	10.00
45.0		2.63	3.54	4.57	5.75	7.08	7.65	8.56	9.37
50.0			3.11	4.10	5.23	6.50	7.05	7.91	8.68
55.0				3.60	4.67	5.87	6.39	7.21	7.94
60.0					4.05	5.18	5.67	6.45	7.13
65.0						4.42	4.87	5.59	6.22

50 Hz

ZP31K5E-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	1.27	1.26	1.24	1.21	1.18	1.16	1.14	1.12	1.11
30.0	1.48	1.46	1.43	1.40	1.38	1.36	1.34	1.34	1.32
35.0	1.72	1.68	1.64	1.62	1.58	1.56	1.56	1.54	1.54
40.0	1.99	1.94	1.90	1.86	1.82	1.79	1.78	1.77	1.76
45.0		2.25	2.19	2.13	2.08	2.05	2.04	2.02	2.02
50.0			2.53	2.46	2.39	2.35	2.33	2.31	2.30
55.0				2.84	2.76	2.69	2.67	2.65	2.63
60.0					3.19	3.10	3.07	3.03	3.01
65.0						3.58	3.54	3.49	3.45

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	5.71	5.65	5.57	5.47	5.36	5.25	5.20	5.12	5.06
30.0	6.54	6.45	6.35	6.25	6.15	6.04	6.00	5.95	5.90
35.0	7.50	7.37	7.24	7.11	7.00	6.89	6.86	6.81	6.77
40.0	8.65	8.45	8.27	8.10	7.96	7.84	7.80	7.74	7.70
45.0		9.74	9.49	9.26	9.07	8.92	8.87	8.80	8.75
50.0			10.93	10.64	10.38	10.18	10.10	10.01	9.95
55.0				12.26	11.93	11.65	11.56	11.43	11.34
60.0					13.76	13.39	13.26	13.10	12.97
65.0						15.44	15.27	15.05	14.89

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	16.75	21.30	26.50	32.50	39.30	46.90	50.20	55.40	60.00
30.0	15.95	20.60	25.90	32.00	38.90	46.50	49.90	55.10	59.70
35.0	15.05	19.75	25.20	31.30	38.30	46.10	49.40	54.70	59.30
40.0	13.90	18.75	24.30	30.60	37.60	45.50	48.90	54.20	58.90
45.0		17.55	23.20	29.60	36.80	44.70	48.20	53.60	58.30
50.0			21.80	28.40	35.70	43.80	47.30	52.80	57.60
55.0				26.80	34.30	42.60	46.20	51.80	56.60
60.0					32.60	41.10	44.80	50.50	55.50
65.0						39.30	43.00	48.90	54.10

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	5.13
Length/Width, mm	243/243
Height, mm	388
Net Weight, kg	21.8
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	0.74
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (19)
PED Category	1
Max. Internal Free Volume, l	2.00
High Side PS gauge, bar	45
Low Side PS gauge, bar	29.5
Low Side TS Min., °C	-35
Refrigerant's GWP	2088
Refrigerant's classification	A1

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

Maximum Operating Current, A	17.1
Locked Rotor Current, A	67
Winding Resistance, ohm	1.22/1.15 (R/S)
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

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