



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	2.90	3.69	4.63	5.74	7.01	8.48	9.12	10.15	11.05
30.0	2.69	3.45	4.36	5.41	6.63	8.04	8.65	9.64	10.50
35.0	2.47	3.20	4.07	5.08	6.24	7.58	8.17	9.10	9.94
40.0	2.23	2.94	3.76	4.72	5.83	7.10	7.66	8.55	9.35
45.0		2.65	3.43	4.34	5.39	6.60	7.13	7.97	8.73
50.0			3.09	3.94	4.93	6.07	6.57	7.36	8.07
55.0				3.51	4.44	5.50	5.97	6.71	7.38
60.0					3.90	4.89	5.32	6.01	6.63
65.0						4.20	4.60	5.23	5.80

50 Hz

ZP29K5E-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	1.26	1.25	1.23	1.20	1.17	1.14	1.13	1.11	1.10
30.0	1.41	1.40	1.38	1.36	1.34	1.31	1.30	1.28	1.28
35.0	1.58	1.58	1.56	1.54	1.52	1.48	1.48	1.46	1.46
40.0	1.79	1.78	1.76	1.74	1.70	1.68	1.67	1.66	1.64
45.0		2.01	1.98	1.96	1.92	1.90	1.88	1.86	1.86
50.0			2.25	2.22	2.18	2.14	2.13	2.11	2.09
55.0				2.52	2.47	2.43	2.41	2.39	2.37
60.0					2.82	2.76	2.74	2.71	2.69
65.0						3.15	3.12	3.08	3.06

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	5.39	5.35	5.27	5.16	5.03	4.90	4.85	4.78	4.73
30.0	6.08	6.05	5.97	5.87	5.76	5.64	5.60	5.54	5.50
35.0	6.86	6.82	6.75	6.65	6.53	6.42	6.38	6.33	6.29
40.0	7.78	7.73	7.64	7.52	7.39	7.27	7.23	7.18	7.14
45.0		8.80	8.68	8.54	8.39	8.25	8.20	8.13	8.09
50.0			9.93	9.75	9.56	9.39	9.33	9.24	9.18
55.0				11.19	10.95	10.74	10.66	10.55	10.47
60.0					12.61	12.34	12.23	12.09	11.98
65.0						14.24	14.11	13.92	13.78

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	15.80	19.85	24.60	30.20	36.50	43.70	46.90	51.90	56.40
30.0	15.35	19.45	24.30	29.80	36.10	43.40	46.50	51.50	56.00
35.0	14.85	19.00	23.80	29.40	35.70	42.90	46.00	51.10	55.50
40.0	14.20	18.40	23.20	28.80	35.20	42.40	45.50	50.50	55.00
45.0		17.65	22.50	28.10	34.50	41.70	44.90	49.90	54.30
50.0			21.70	27.30	33.70	40.90	44.10	49.10	53.60
55.0				26.20	32.70	39.90	43.10	48.20	52.70
60.0					31.40	38.80	42.00	47.10	51.60
65.0						37.40	40.60	45.80	50.40

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	4.79
Length/Width, mm	246/246
Height, mm	387
Net Weight, kg	22.8
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 (8.5)
Sound Pressure @ 1m (HT), dBA	55
Sound Power (HT), dBA	66
Sound Power with Sound Shell (HT), dBA	59
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	2.00
High Side PS gauge, bar	45
Low Side PS gauge, bar	29.5
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	67
Winding Resistance, ohm	1.22/1.15 (R/S)
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets	Rubber Grommet For Single
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ACCESSORIES OPTIONAL

Crankcase Heater	40 W External
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50 Hz

ZP29K5E-PFJ

R410A 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