



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

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	3.11	3.96	4.97	6.14	7.50	9.07	9.75	10.85	11.80
30.0	2.90	3.72	4.69	5.83	7.13	8.64	9.29	10.35	11.30
35.0	2.68	3.48	4.41	5.50	6.75	8.19	8.82	9.83	10.75
40.0	2.45	3.21	4.11	5.15	6.35	7.73	8.33	9.30	10.15
45.0		2.93	3.79	4.78	5.93	7.24	7.82	8.74	9.57
50.0			3.44	4.39	5.48	6.73	7.28	8.16	8.95
55.0				3.97	5.01	6.20	6.72	7.55	8.29
60.0					4.50	5.62	6.12	6.90	7.61
65.0						5.01	5.48	6.22	6.89

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	15.70	19.75	24.50	30.00	36.30	43.50	46.60	51.60	56.00
30.0	15.25	19.35	24.10	29.60	35.90	43.10	46.20	51.20	55.60
35.0	14.75	18.90	23.70	29.20	35.50	42.60	45.70	50.70	55.10
40.0	14.15	18.30	23.10	28.60	34.90	42.10	45.20	50.20	54.60
45.0		17.55	22.40	28.00	34.30	41.40	44.60	49.50	53.90
50.0			21.50	27.10	33.50	40.60	43.80	48.70	53.20
55.0				26.10	32.50	39.70	42.80	47.80	52.30
60.0					31.20	38.50	41.70	46.70	51.20
65.0						37.10	40.40	45.50	50.10

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /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