



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	4.49	5.60	6.88	8.38	10.10	12.10	12.95	14.35	15.60
30.0	4.20	5.26	6.50	7.93	9.59	11.50	12.30	13.65	14.85
35.0	3.89	4.91	6.10	7.47	9.04	10.85	11.65	12.90	14.05
40.0	3.58	4.55	5.68	6.98	8.47	10.20	10.95	12.15	13.20
45.0		4.17	5.24	6.46	7.87	9.49	10.20	11.35	12.35
50.0			4.77	5.92	7.24	8.75	9.42	10.50	11.45
55.0				5.35	6.57	7.98	8.60	9.59	10.50
60.0					5.86	7.15	7.72	8.63	9.45
65.0						6.23	6.75	7.57	8.31

50 Hz

ZP41K3E-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	1.86	1.82	1.78	1.74	1.70	1.66	1.64	1.62	1.61
30.0	2.12	2.07	2.02	1.98	1.92	1.88	1.86	1.84	1.82
35.0	2.43	2.37	2.31	2.25	2.19	2.14	2.12	2.09	2.07
40.0	2.79	2.72	2.64	2.57	2.51	2.44	2.42	2.39	2.37
45.0		3.12	3.03	2.95	2.87	2.80	2.77	2.73	2.70
50.0			3.48	3.38	3.29	3.20	3.17	3.13	3.09
55.0				3.88	3.77	3.67	3.63	3.57	3.53
60.0					4.31	4.19	4.15	4.08	4.04
65.0						4.79	4.73	4.66	4.60

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	10.22	10.06	9.88	9.70	9.54	9.41	9.36	9.32	9.29
30.0	11.22	11.04	10.83	10.63	10.43	10.27	10.21	10.15	10.11
35.0	12.42	12.21	11.97	11.74	11.51	11.31	11.24	11.15	11.09
40.0	13.84	13.59	13.32	13.05	12.78	12.55	12.46	12.35	12.27
45.0		15.20	14.89	14.58	14.27	13.99	13.89	13.75	13.64
50.0			16.70	16.34	15.99	15.66	15.54	15.37	15.24
55.0				18.35	17.94	17.56	17.42	17.22	17.06
60.0					20.16	19.72	19.56	19.32	19.13
65.0						22.15	21.96	21.68	21.47

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	24.50	30.10	36.60	44.10	52.60	62.40	66.60	73.40	79.40
30.0	24.00	29.70	36.20	43.70	52.20	62.00	66.20	73.00	79.00
35.0	23.40	29.10	35.70	43.20	51.70	61.40	65.70	72.40	78.40
40.0	22.70	28.50	35.10	42.60	51.10	60.80	65.00	71.70	77.70
45.0		27.80	34.40	41.80	50.30	60.00	64.20	70.90	76.90
50.0			33.50	41.00	49.40	59.00	63.20	69.90	75.90
55.0				39.90	48.40	57.90	62.10	68.80	74.70
60.0					47.20	56.70	60.90	67.60	73.50
65.0						55.40	59.60	66.30	72.30

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	6.87
Length/Width, mm	242/242
Height, mm	397
Net Weight, kg	32.5
Gross Weight, kg	34.5
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.25
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	56
Sound Power (HT), dBA	67
Sound Power with Sound Shell (HT), dBA	61
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	2.60
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	23
Locked Rotor Current, A	97
Winding Resistance, ohm	0.69/1.65 (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

ZP41K3E-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