



Minimum Evaporating Temp. With:

- 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	15.0
10.0	5.18	6.47	8.00	9.77						
15.0	4.97	6.22	7.70	9.41	11.40					
20.0	4.73	5.95	7.37	9.02	10.90	13.10				
25.0	4.46	5.65	7.02	8.60	10.40	12.50	13.40	14.85		
30.0	4.16	5.32	6.64	8.16	9.89	11.85	12.75	14.10	15.35	16.65
35.0	3.82	4.95	6.23	7.69	9.35	11.25	12.05	13.35	14.55	15.75
40.0	3.45	4.55	5.79	7.19	8.77	10.55	11.35	12.60	13.70	14.85
45.0		4.12	5.31	6.65	8.15	9.85	10.60	11.75	12.80	13.90
50.0			4.79	6.07	7.49	9.10	9.80	10.90	11.90	12.95
55.0				5.44	6.79	8.30	8.96	10.00	10.90	11.90
60.0					6.03	7.44	8.05	9.02	9.88	10.80
65.0						6.48	7.05	7.94	8.72	9.56

50 Hz

ZP42K5E-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	15.0
10.0	1.18	1.15	1.12	1.09						
15.0	1.40	1.36	1.34	1.31	1.28					
20.0	1.61	1.58	1.55	1.52	1.50	1.46				
25.0	1.84	1.80	1.77	1.74	1.71	1.68	1.66	1.64		
30.0	2.10	2.05	2.01	1.98	1.94	1.90	1.90	1.87	1.85	1.83
35.0	2.39	2.33	2.28	2.24	2.19	2.15	2.14	2.11	2.09	2.07
40.0	2.73	2.66	2.59	2.54	2.48	2.43	2.42	2.39	2.36	2.33
45.0		3.04	2.96	2.89	2.82	2.76	2.74	2.70	2.67	2.64
50.0			3.38	3.30	3.21	3.14	3.11	3.07	3.03	2.99
55.0				3.78	3.68	3.58	3.55	3.50	3.45	3.41
60.0					4.22	4.11	4.07	4.00	3.95	3.90
65.0						4.72	4.67	4.59	4.53	4.47

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	15.0
10.0	5.58	5.52	5.47	5.40						
15.0	6.32	6.27	6.23	6.17	6.09					
20.0	7.10	7.04	6.99	6.93	6.86	6.76				
25.0	7.95	7.87	7.80	7.73	7.66	7.56	7.52	7.43		
30.0	8.92	8.80	8.71	8.62	8.54	8.43	8.39	8.30	8.22	8.12
35.0	10.05	9.89	9.76	9.65	9.54	9.41	9.36	9.27	9.18	9.09
40.0	11.39	11.18	11.00	10.85	10.70	10.55	10.49	10.38	10.29	10.19
45.0		12.71	12.47	12.27	12.08	11.89	11.81	11.69	11.58	11.47
50.0			14.22	13.95	13.71	13.47	13.38	13.23	13.10	12.97
55.0				15.96	15.64	15.35	15.23	15.05	14.90	14.74
60.0					17.93	17.56	17.42	17.20	17.02	16.84
65.0						20.16	19.99	19.72	19.51	19.29

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	15.0
10.0	24.90	30.80	37.70	45.60						
15.0	24.90	30.80	37.70	45.60	54.60					
20.0	24.70	30.70	37.60	45.50	54.50	64.70				
25.0	24.30	30.40	37.40	45.30	54.20	64.40	68.80	75.90		
30.0	23.80	30.00	37.00	44.90	53.90	64.00	68.40	75.40	81.70	88.30
35.0	23.00	29.40	36.50	44.50	53.50	63.60	67.90	74.90	81.10	87.70
40.0	22.00	28.50	35.80	43.90	52.90	63.00	67.30	74.30	80.50	87.00
45.0		27.40	34.80	43.00	52.10	62.20	66.60	73.60	79.70	86.20
50.0			33.60	42.00	51.20	61.30	65.70	72.70	78.90	85.40
55.0				40.60	50.00	60.30	64.70	71.70	77.90	84.50
60.0					48.50	59.00	63.50	70.60	76.90	83.50
65.0						57.60	62.20	69.50	75.90	82.60

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	6.90
Length/Width, mm	246/246
Height, mm	418
Net Weight, kg	31
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.24
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	57
Sound Power (HT), dBA	68
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	3.40
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

50 Hz

ZP42K5E-PFJ

R410A Dew Point

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

Maximum Operating Current, A	21
Locked Rotor Current, A	98
Winding Resistance, ohm	0.7/0.9 (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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### **MOTOR OPTIONS**

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
PFJ	220-240 V / 1~ / 50 Hz	230		PSC	1.00
PFJ	265 V / 1~ / 60 Hz	265		PSC	0.75