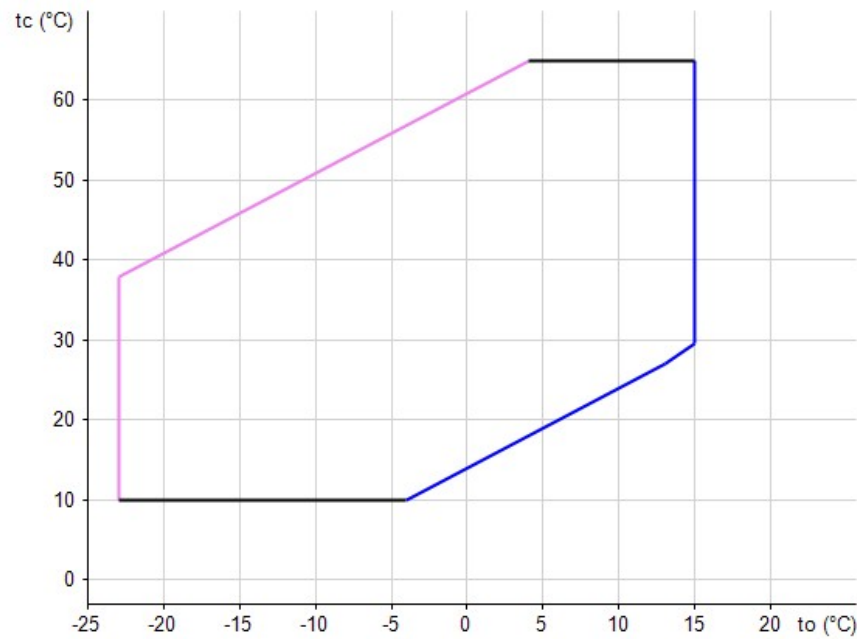


50 Hz

ZP42K5E-PFJ

R410A Dew Point



Minimum Evaporating Temp. With:

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	15.0
10.0	5.49	6.86	8.47	10.35						
15.0	5.29	6.62	8.18	9.99	12.10					
20.0	5.05	6.35	7.86	9.61	11.60	13.90				
25.0	4.79	6.06	7.53	9.21	11.15	13.35	14.30	15.85		
30.0	4.49	5.74	7.16	8.78	10.65	12.75	13.70	15.15	16.45	17.85
35.0	4.16	5.38	6.76	8.33	10.10	12.15	13.00	14.45	15.70	17.00
40.0	3.78	4.98	6.32	7.84	9.55	11.50	12.35	13.70	14.85	16.15
45.0		4.55	5.85	7.31	8.96	10.80	11.60	12.90	14.05	15.25
50.0			5.34	6.75	8.33	10.10	10.85	12.10	13.15	14.30
55.0				6.15	7.66	9.35	10.10	11.25	12.25	13.35
60.0					6.95	8.56	9.26	10.35	11.35	12.35
65.0						7.73	8.39	9.44	10.35	11.35

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

50 Hz

ZP42K5E-PFJ

R410A Dew Point

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	24.80	30.70	37.50	45.30						
15.0	24.70	30.60	37.50	45.30	54.30					
20.0	24.50	30.50	37.30	45.20	54.10	64.30				
25.0	24.20	30.20	37.10	45.00	53.90	64.00	68.40	75.40		
30.0	23.60	29.80	36.80	44.70	53.60	63.60	68.00	74.90	81.10	87.60
35.0	22.90	29.20	36.30	44.20	53.10	63.10	67.50	74.40	80.50	87.00
40.0	21.80	28.40	35.60	43.60	52.50	62.50	66.90	73.80	79.90	86.30
45.0		27.30	34.60	42.80	51.80	61.80	66.20	73.00	79.10	85.60
50.0			33.40	41.70	50.80	60.90	65.30	72.20	78.30	84.80
55.0				40.40	49.70	59.90	64.30	71.20	77.40	83.80
60.0					48.20	58.70	63.10	70.10	76.40	82.90
65.0						57.30	61.80	69.00	75.30	82.00

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

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