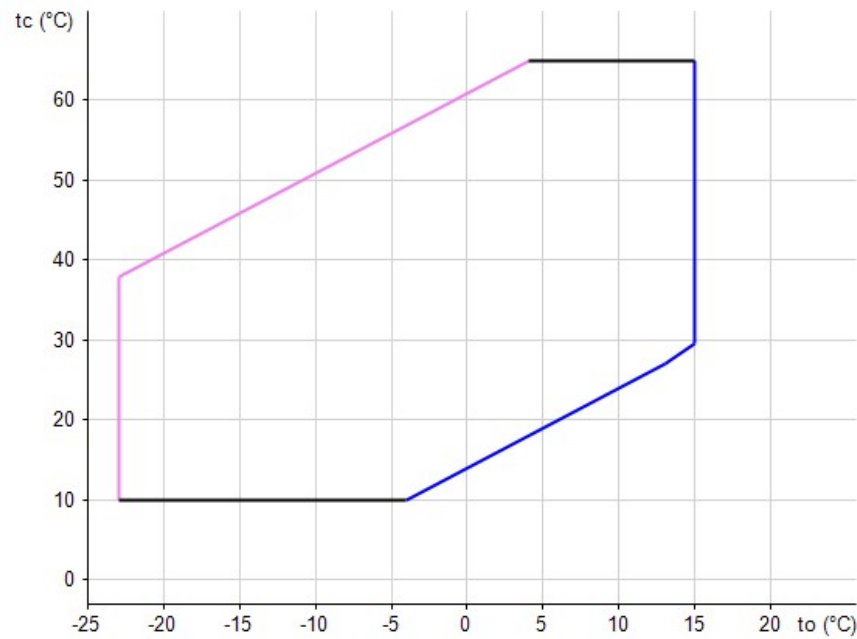


50 Hz

ZP54K5E-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	7.10	8.83	10.90	13.35						
15.0	6.74	8.43	10.45	12.75	15.50					
20.0	6.39	8.03	9.96	12.20	14.85	17.85				
25.0	6.01	7.62	9.48	11.65	14.15	17.05	18.30	20.40		
30.0	5.62	7.19	8.99	11.05	13.50	16.25	17.45	19.40	21.10	23.00
35.0	5.20	6.73	8.47	10.50	12.80	15.40	16.55	18.45	20.10	21.90
40.0	4.74	6.23	7.92	9.85	12.05	14.55	15.65	17.45	19.00	20.70
45.0		5.69	7.33	9.18	11.30	13.70	14.75	16.40	17.90	19.50
50.0			6.68	8.46	10.45	12.75	13.75	15.35	16.80	18.30
55.0				7.69	9.61	11.80	12.75	14.25	15.60	17.05
60.0					8.68	10.75	11.65	13.05	14.35	15.70
65.0						9.64	10.50	11.85	13.05	14.30

50 Hz

ZP54K5E-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	1.51	1.47	1.42	1.36						
15.0	1.74	1.70	1.67	1.62	1.58					
20.0	1.96	1.94	1.92	1.88	1.85	1.82				
25.0	2.20	2.19	2.17	2.15	2.12	2.10	2.09	2.08		
30.0	2.47	2.46	2.44	2.42	2.40	2.38	2.38	2.37	2.37	2.37
35.0	2.78	2.77	2.75	2.73	2.71	2.69	2.69	2.68	2.68	2.69
40.0	3.15	3.13	3.10	3.08	3.05	3.03	3.03	3.02	3.02	3.02
45.0		3.55	3.51	3.48	3.44	3.42	3.41	3.40	3.40	3.40
50.0			4.00	3.95	3.90	3.86	3.85	3.83	3.82	3.82
55.0				4.49	4.43	4.38	4.36	4.33	4.32	4.31
60.0					5.05	4.97	4.95	4.91	4.89	4.87
65.0						5.67	5.63	5.58	5.55	5.52

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	8.37	8.20	7.98	7.72						
15.0	9.15	9.04	8.89	8.70	8.49					
20.0	9.98	9.92	9.81	9.68	9.53	9.37				
25.0	10.91	10.88	10.80	10.70	10.59	10.48	10.44	10.39		
30.0	12.00	11.97	11.90	11.82	11.72	11.64	11.62	11.58	11.57	11.57
35.0	13.29	13.25	13.17	13.08	12.99	12.92	12.89	12.87	12.86	12.87
40.0	14.84	14.76	14.66	14.55	14.44	14.35	14.33	14.30	14.29	14.30
45.0		16.57	16.42	16.27	16.12	16.00	15.97	15.92	15.90	15.90
50.0			18.50	18.28	18.09	17.92	17.86	17.79	17.75	17.73
55.0				20.66	20.38	20.15	20.07	19.96	19.89	19.84
60.0					23.07	22.74	22.63	22.47	22.36	22.27
65.0						25.76	25.61	25.39	25.23	25.09

50 Hz

ZP54K5E-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	32.00	39.50	48.20	58.40						
15.0	31.50	39.00	47.80	57.90	69.70					
20.0	31.00	38.50	47.30	57.40	69.10	82.40				
25.0	30.40	38.00	46.80	56.90	68.50	81.70	87.50	96.80		
30.0	29.60	37.40	46.20	56.30	67.80	81.00	86.70	95.90	104.00	113.00
35.0	28.60	36.50	45.50	55.60	67.10	80.20	85.90	95.00	103.00	112.00
40.0	27.40	35.50	44.60	54.80	66.30	79.30	85.00	94.10	102.00	110.50
45.0		34.10	43.40	53.70	65.20	78.30	83.90	93.00	101.00	109.50
50.0			41.80	52.30	63.90	77.00	82.70	91.70	99.70	108.50
55.0				50.50	62.30	75.50	81.20	90.20	98.30	107.00
60.0					60.20	73.60	79.40	88.50	96.60	105.00
65.0						71.40	77.20	86.60	94.80	103.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	8.90
Length/Width, mm	246/246
Height, mm	418
Net Weight, kg	34
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	59
Sound Power (HT), dBA	70
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	3.10
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

ZP54K5E-PFJ

R410A Dew Point

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

Maximum Operating Current, A	31
Locked Rotor Current, A	128
Winding Resistance, ohm	0.5/0.9 (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