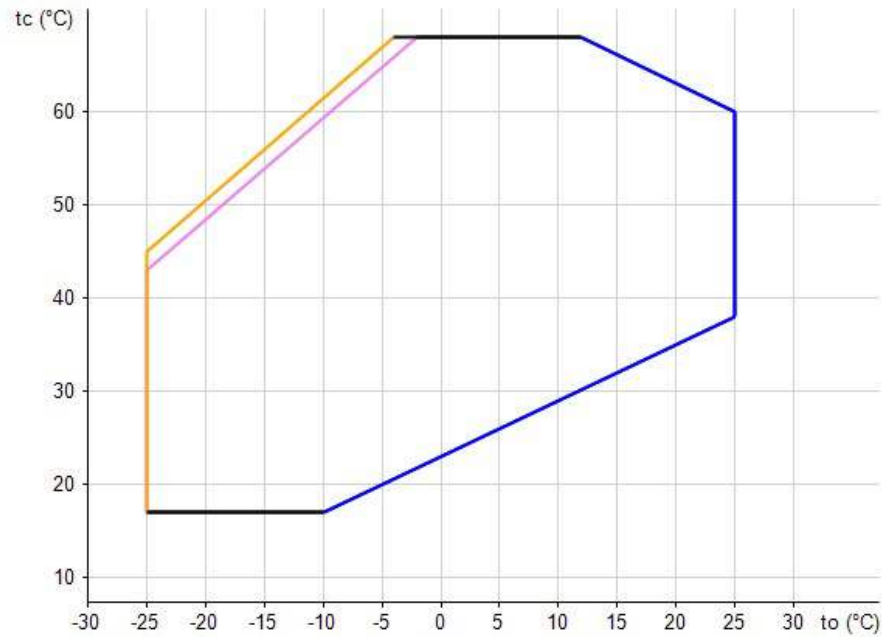


50 Hz

ZH04K1P-PFZ

R410A Dew Point



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 5 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW												
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
17.0	1.98	2.48	3.07	3.79									
20.0	1.90	2.39	2.98	3.68	4.50								
25.0	1.78	2.26	2.82	3.49	4.28	5.21							
30.0	1.68	2.13	2.67	3.31	4.07	4.95	5.97	6.42	7.14				
35.0	1.57	2.01	2.53	3.14	3.86	4.69	5.66	6.09	6.77	7.39	8.04	9.49	
40.0	1.47	1.89	2.38	2.96	3.64	4.43	5.35	5.76	6.41	6.99	7.61	8.99	10.55
45.0		1.78	2.24	2.79	3.43	4.17	5.04	5.42	6.03	6.59	7.18	8.48	9.95
50.0			2.09	2.61	3.20	3.90	4.71	5.07	5.65	6.17	6.73	7.96	9.35
55.0				2.42	2.97	3.62	4.38	4.72	5.26	5.75	6.27	7.43	8.74
60.0					2.74	3.34	4.04	4.35	4.86	5.31	5.80	6.89	8.13
65.0						3.05	3.70	3.99	4.46	4.88	5.34		
68.0						2.89	3.50	3.78	4.23				

50 Hz

ZH04K1P-PFZ

R410A Dew Point

Cond °C	Power, kW												
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
17.0	0.75	0.76	0.76	0.75									
20.0	0.80	0.81	0.81	0.81	0.79								
25.0	0.88	0.90	0.91	0.91	0.90	0.88							
30.0	0.96	0.99	1.01	1.01	1.01	1.00	0.98	0.96	0.94				
35.0	1.05	1.08	1.10	1.12	1.13	1.12	1.11	1.10	1.08	1.06	1.03	0.98	
40.0	1.14	1.18	1.22	1.24	1.26	1.26	1.25	1.25	1.23	1.22	1.20	1.15	1.08
45.0		1.30	1.33	1.36	1.38	1.40	1.40	1.40	1.39	1.38	1.37	1.33	1.28
50.0			1.46	1.50	1.53	1.55	1.56	1.56	1.56	1.56	1.55	1.52	1.48
55.0				1.64	1.68	1.72	1.74	1.74	1.74	1.74	1.74	1.72	1.69
60.0					1.86	1.90	1.92	1.94	1.94	1.95	1.95	1.94	1.92
65.0						2.09	2.13	2.14	2.16	2.17	2.18		
68.0						2.22	2.26	2.28	2.30				

Cond °C	Current at 230 V, A												
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
17.0	3.50	3.53	3.53	3.49									
20.0	3.68	3.73	3.74	3.72	3.65								
25.0	3.99	4.07	4.11	4.12	4.08	3.99							
30.0	4.33	4.43	4.51	4.54	4.54	4.49	4.39	4.33	4.22				
35.0	4.70	4.83	4.93	5.00	5.03	5.02	4.95	4.91	4.83	4.74	4.64	4.39	
40.0	5.11	5.27	5.40	5.50	5.57	5.59	5.56	5.53	5.48	5.41	5.33	5.12	4.84
45.0		5.75	5.91	6.05	6.15	6.21	6.22	6.21	6.17	6.13	6.07	5.90	5.66
50.0			6.47	6.64	6.78	6.87	6.92	6.93	6.92	6.90	6.86	6.74	6.55
55.0				7.29	7.47	7.60	7.69	7.71	7.73	7.73	7.72	7.64	7.49
60.0					8.22	8.39	8.52	8.56	8.61	8.63	8.64	8.60	8.50
65.0						9.25	9.43	9.48	9.55	9.60	9.63		
68.0						9.81	10.01	10.07	10.16				

50 Hz

ZH04K1P-PFZ

R410A Dew Point

Cond °C	Suction Mass Flow, g/s												
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
17.0	9.50	11.75	14.45	17.60									
20.0	9.34	11.60	14.30	17.45	21.20								
25.0	9.11	11.40	14.10	17.25	20.90	25.20							
30.0	8.92	11.20	13.90	17.05	20.70	24.90	29.80	31.90	35.30				
35.0	8.75	11.05	13.75	16.85	20.50	24.70	29.50	31.60	34.90	37.90	41.10	48.20	
40.0	8.62	10.90	13.60	16.70	20.30	24.40	29.10	31.20	34.60	37.50	40.70	47.70	55.60
45.0		10.80	13.45	16.50	20.00	24.10	28.80	30.90	34.20	37.10	40.30	47.20	55.00
50.0			13.30	16.30	19.80	23.80	28.40	30.50	33.70	36.70	39.80	46.70	54.50
55.0				16.10	19.55	23.50	28.10	30.10	33.30	36.20	39.30	46.20	54.00
60.0					19.30	23.20	27.70	29.70	32.90	35.80	38.90	45.70	53.50
65.0						22.90	27.40	29.40	32.60	35.50	38.60		
68.0						22.90	27.40	29.40	32.60				

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	3.36
Length/Width, mm	227/194
Height, mm	388
Net Weight, kg	21.3
Gross Weight, kg	22
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	57
Sound Power (HT), dBA	68
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Max. Internal Free Volume, l	2.30
High Side PS gauge, bar	46
Low Side PS gauge, bar	28
Low Side TS Max., °C	50
Refrigerant's GWP	2088
Refrigerant's classification	A1

50 Hz

ZH04K1P-PFZ

R410A Dew Point

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

Maximum Operating Current, A	10.5
Locked Rotor Current, A	52
Winding Resistance, ohm	1.48/2.17 (R/S)
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED
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
PFZ	220-240 V / 1~ / 50 Hz	230		PSC	1.00