



Minimum Evaporating Temp. With:

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

Suction Superheat 10.0K

Liquid Subcooling 0.0K

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	2.80	3.48	4.31	5.29									
20.0	2.72	3.40	4.22	5.19	6.32								
25.0	2.58	3.25	4.05	4.99	6.09	7.37							
30.0	2.42	3.08	3.86	4.77	5.83	7.06	8.47	9.09	10.10				
35.0	2.26	2.90	3.65	4.52	5.53	6.71	8.06	8.65	9.60	10.45	11.35	13.35	
40.0	2.09	2.70	3.41	4.24	5.21	6.32	7.61	8.17	9.07	9.88	10.75	12.65	14.75
45.0		2.49	3.16	3.94	4.85	5.90	7.11	7.64	8.50	9.26	10.10	11.85	13.90
50.0			2.89	3.62	4.46	5.44	6.57	7.07	7.87	8.59	9.36	11.05	12.95
55.0				3.27	4.05	4.95	5.99	6.46	7.20	7.87	8.58	10.15	11.95
60.0					3.60	4.42	5.37	5.80	6.48	7.09	7.75	9.20	10.85
65.0						3.85	4.70	5.08	5.69	6.24	6.84		
68.0						3.49	4.27	4.62	5.19				

50 Hz

ZH06K1P-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	1.08	1.08	1.08	1.07									
20.0	1.16	1.16	1.16	1.16	1.14								
25.0	1.28	1.30	1.31	1.31	1.30	1.27							
30.0	1.42	1.46	1.47	1.47	1.46	1.44	1.42	1.40	1.38				
35.0	1.58	1.62	1.64	1.64	1.64	1.64	1.61	1.60	1.58	1.55	1.53	1.47	
40.0	1.75	1.80	1.82	1.84	1.84	1.84	1.82	1.81	1.79	1.77	1.75	1.70	1.63
45.0		2.00	2.03	2.06	2.07	2.07	2.05	2.05	2.03	2.01	1.99	1.94	1.88
50.0			2.26	2.30	2.31	2.32	2.31	2.31	2.29	2.28	2.26	2.22	2.16
55.0				2.56	2.59	2.60	2.60	2.60	2.59	2.58	2.56	2.52	2.47
60.0					2.90	2.92	2.92	2.92	2.92	2.91	2.89	2.86	2.81
65.0						3.27	3.28	3.28	3.28	3.27	3.26		
68.0						3.50	3.51	3.52	3.52				

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	5.40	5.42	5.41	5.36									
20.0	5.73	5.77	5.77	5.74	5.66								
25.0	6.29	6.36	6.40	6.38	6.33	6.23							
30.0	6.89	6.99	7.05	7.07	7.04	6.96	6.84	6.78	6.67				
35.0	7.54	7.68	7.77	7.81	7.81	7.75	7.65	7.60	7.50	7.41	7.31	7.07	
40.0	8.26	8.44	8.56	8.64	8.66	8.63	8.55	8.50	8.42	8.33	8.24	8.02	7.74
45.0		9.29	9.45	9.56	9.61	9.60	9.55	9.51	9.44	9.36	9.28	9.07	8.81
50.0			10.45	10.60	10.68	10.70	10.67	10.64	10.58	10.52	10.44	10.25	10.00
55.0				11.77	11.88	11.94	11.94	11.92	11.87	11.82	11.75	11.58	11.34
60.0					13.25	13.34	13.36	13.35	13.33	13.28	13.23	13.07	12.86
65.0						14.91	14.97	14.97	14.96	14.93	14.89		
68.0						15.95	16.03	16.04	16.04				

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	14.40	17.75	21.70	26.30									
20.0	14.35	17.75	21.80	26.40	31.90								
25.0	14.25	17.75	21.80	26.60	32.10	38.40							
30.0	14.05	17.60	21.80	26.60	32.10	38.50	45.70	48.80	53.90				
35.0	13.80	17.45	21.60	26.50	32.00	38.40	45.60	48.80	53.80	58.40	63.10	73.60	
40.0	13.50	17.15	21.40	26.20	31.80	38.10	45.40	48.50	53.60	58.10	62.90	73.40	85.10
45.0		16.85	21.00	25.90	31.40	37.70	44.90	48.10	53.10	57.60	62.40	72.90	84.70
50.0			20.60	25.40	30.90	37.10	44.30	47.50	52.50	57.00	61.80	72.20	84.00
55.0				24.80	30.20	36.40	43.50	46.70	51.70	56.10	60.90	71.40	83.20
60.0					29.50	35.60	42.60	45.70	50.70	55.20	59.90	70.50	82.40
65.0						34.80	41.80	44.90	49.80	54.30	59.10		
68.0						34.10	41.00	44.00	49.00				

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	5.13
Length/Width, mm	242/242
Height, mm	418
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 (8.5)
Sound Pressure @ 1m (HT), dBA	62
Sound Power (HT), dBA	73
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	3.90
High Side PS gauge, bar	46
Low Side PS gauge, bar	28
Refrigerant's GWP	2088
Refrigerant's classification	A1

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

Maximum Operating Current, A	17.1
Locked Rotor Current, A	83
Winding Resistance, ohm	0.79/1.45 (R/S)
Default Enclosure Class	IP 21 (IEC 34)

50 Hz

ZH06K1P-PFZ

R410A Dew Point

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

Crankcase Heater

40 W External

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