



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												
	-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
20.0	1.23	1.57	1.98	2.49	3.09	3.79							
25.0	1.16	1.49	1.90	2.38	2.96	3.65	4.45						
30.0	1.08	1.41	1.80	2.27	2.83	3.49	4.27	4.61	5.17				
35.0	1.01	1.32	1.70	2.16	2.70	3.33	4.08	4.41	4.95	5.43	5.95		
40.0	0.93	1.24	1.60	2.03	2.55	3.17	3.89	4.21	4.72	5.19	5.69	6.80	
45.0	0.85	1.14	1.50	1.91	2.41	2.99	3.68	3.99	4.49	4.94	5.42	6.49	7.70
50.0	0.78	1.05	1.38	1.78	2.25	2.81	3.47	3.77	4.25	4.68	5.14	6.17	7.34
55.0	0.70	0.96	1.27	1.65	2.10	2.63	3.26	3.54	3.99	4.41	4.85	5.83	6.96
60.0		0.86	1.16	1.52	1.94	2.44	3.04	3.30	3.74	4.13	4.55	5.49	6.57
65.0			1.04	1.38	1.77	2.25	2.81	3.06	3.47	3.84	4.25	5.14	6.18
70.0				1.24	1.60	2.05	2.58	2.81	3.20	3.55	3.93	4.79	
75.0				1.09	1.44	1.84	2.34	2.56	2.92	3.25	3.61		

50 Hz

ZH15K4E-PFJ

R134a

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
20.0	0.65	0.67	0.69	0.70	0.71	0.70							
25.0	0.69	0.72	0.74	0.76	0.77	0.77	0.76						
30.0	0.74	0.77	0.79	0.82	0.83	0.84	0.84	0.84	0.83				
35.0	0.78	0.82	0.85	0.88	0.90	0.91	0.92	0.92	0.92	0.91	0.90		
40.0	0.84	0.87	0.91	0.94	0.97	0.99	1.00	1.01	1.01	1.01	1.01	0.98	
45.0	0.90	0.94	0.97	1.01	1.04	1.07	1.09	1.10	1.10	1.10	1.10	1.10	1.08
50.0	0.97	1.01	1.04	1.08	1.12	1.16	1.18	1.19	1.20	1.20	1.21	1.21	1.20
55.0	1.04	1.08	1.12	1.17	1.21	1.25	1.28	1.29	1.30	1.32	1.32	1.34	1.34
60.0		1.18	1.22	1.27	1.30	1.35	1.39	1.40	1.42	1.44	1.44	1.46	1.47
65.0			1.32	1.37	1.42	1.46	1.50	1.52	1.54	1.56	1.58	1.60	1.62
70.0				1.48	1.54	1.58	1.64	1.66	1.68	1.70	1.72	1.75	
75.0				1.62	1.67	1.72	1.78	1.80	1.83	1.85	1.88		

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
20.0	4.38	4.43	4.48	4.52	4.54	4.53							
25.0	4.50	4.57	4.63	4.67	4.71	4.72	4.69						
30.0	4.62	4.70	4.77	4.83	4.88	4.91	4.91	4.90	4.87				
35.0	4.76	4.84	4.92	5.00	5.06	5.11	5.13	5.13	5.12	5.11	5.08		
40.0	4.90	4.99	5.09	5.18	5.26	5.33	5.38	5.39	5.39	5.39	5.38	5.32	
45.0	5.07	5.17	5.28	5.39	5.49	5.58	5.65	5.67	5.69	5.70	5.70	5.68	5.60
50.0	5.27	5.38	5.51	5.63	5.76	5.87	5.96	5.99	6.03	6.05	6.07	6.07	6.04
55.0	5.51	5.64	5.78	5.92	6.06	6.19	6.31	6.36	6.41	6.45	6.48	6.52	6.52
60.0		5.94	6.09	6.26	6.42	6.58	6.72	6.77	6.85	6.90	6.95	7.02	7.05
65.0			6.47	6.65	6.84	7.02	7.19	7.25	7.34	7.42	7.48	7.59	7.66
70.0				7.11	7.32	7.53	7.73	7.80	7.91	8.00	8.08	8.22	
75.0				7.65	7.88	8.11	8.34	8.43	8.56	8.66	8.76		

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
20.0	7.53	9.42	11.70	14.35	17.50	21.10							
25.0	7.42	9.35	11.65	14.35	17.50	21.10	25.30						
30.0	7.29	9.26	11.60	14.30	17.45	21.10	25.30	27.20	30.10				
35.0	7.14	9.14	11.50	14.25	17.40	21.10	25.30	27.20	30.20	32.80	35.60		
40.0	6.96	8.99	11.35	14.15	17.35	21.10	25.30	27.20	30.10	32.80	35.60	41.80	
45.0	6.76	8.82	11.20	14.00	17.25	21.00	25.20	27.10	30.10	32.80	35.60	41.80	48.70
50.0	6.53	8.62	11.05	13.85	17.10	20.80	25.10	27.00	30.00	32.70	35.60	41.80	48.80
55.0	6.27	8.39	10.85	13.65	16.90	20.70	25.00	26.90	29.90	32.60	35.50	41.80	48.80
60.0		8.14	10.60	13.40	16.70	20.50	24.80	26.70	29.80	32.50	35.40	41.80	48.90
65.0			10.30	13.15	16.45	20.30	24.60	26.60	29.60	32.40	35.30	41.70	48.90
70.0				12.90	16.20	20.00	24.40	26.40	29.50	32.30	35.20	41.70	
75.0				12.55	15.90	19.75	24.20	26.20	29.30	32.10	35.10		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	5.76
Length/Width, mm	243/243
Height, mm	364
Net Weight, kg	23
Gross Weight, kg	26
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.3
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	60
Sound Power (HT), dBA	71
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	3.40
High Side PS gauge, bar	32
Low Side PS gauge, bar	22.6
Low Side TS Max., °C	50
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	11.6
Locked Rotor Current, A	61
Winding Resistance, ohm	1.2/2.23 (R/S)
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

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