



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	1.62	2.08	2.65	3.34	4.16	5.12					
25.0	1.50	1.94	2.48	3.13	3.91	4.82					
30.0	1.38	1.81	2.33	2.95	3.68	4.55	5.56	6.00			
35.0	1.29	1.70	2.19	2.77	3.47	4.29	5.25	5.67	6.36		
40.0	1.20	1.59	2.05	2.61	3.27	4.05	4.96	5.36	6.01	6.59	7.21
45.0	1.12	1.48	1.93	2.46	3.08	3.82	4.68	5.06	5.67	6.22	6.82
50.0	1.02	1.38	1.80	2.30	2.89	3.59	4.40	4.76	5.34	5.87	6.43
55.0	0.92	1.27	1.66	2.14	2.70	3.36	4.12	4.46	5.01	5.51	6.04
60.0		1.14	1.52	1.97	2.50	3.12	3.84	4.16	4.68	5.15	5.65
65.0			1.36	1.79	2.29	2.87	3.55	3.86	4.34	4.79	5.26
70.0				1.58	2.06	2.61	3.25	3.53	3.99	4.41	4.85

50 Hz

ZH19K4E-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	0.77	0.84	0.93	1.04	1.17	1.32					
25.0	0.80	0.86	0.93	1.02	1.12	1.26					
30.0	0.85	0.90	0.96	1.03	1.12	1.23	1.36	1.42			
35.0	0.92	0.96	1.02	1.08	1.15	1.24	1.35	1.40	1.48		
40.0	1.00	1.04	1.10	1.15	1.22	1.29	1.38	1.43	1.50	1.57	1.64
45.0	1.09	1.14	1.19	1.25	1.30	1.38	1.46	1.50	1.56	1.62	1.69
50.0	1.18	1.25	1.30	1.36	1.42	1.49	1.57	1.61	1.66	1.72	1.78
55.0	1.28	1.35	1.42	1.48	1.56	1.63	1.71	1.74	1.80	1.86	1.92
60.0		1.46	1.54	1.62	1.70	1.78	1.88	1.91	1.97	2.02	2.08
65.0			1.66	1.76	1.86	1.96	2.06	2.10	2.16	2.22	2.28
70.0				1.91	2.03	2.14	2.26	2.31	2.38	2.44	2.50

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	6.69	7.02	7.42	7.91	8.52	9.28					
25.0	6.60	6.83	7.10	7.44	7.88	8.45					
30.0	6.63	6.79	6.96	7.19	7.50	7.91	8.45	8.72			
35.0	6.75	6.86	6.98	7.13	7.33	7.61	8.01	8.20	8.54		
40.0	6.91	7.02	7.11	7.20	7.33	7.52	7.80	7.95	8.20	8.45	8.75
45.0	7.08	7.22	7.31	7.39	7.48	7.61	7.80	7.91	8.10	8.29	8.51
50.0	7.22	7.42	7.55	7.64	7.73	7.83	7.97	8.05	8.19	8.34	8.52
55.0	7.30	7.59	7.79	7.93	8.04	8.15	8.28	8.34	8.46	8.57	8.72
60.0		7.69	7.99	8.21	8.38	8.53	8.67	8.73	8.84	8.95	9.08
65.0			8.12	8.46	8.72	8.93	9.12	9.20	9.32	9.43	9.56
70.0				8.62	9.00	9.32	9.59	9.69	9.85	9.98	10.12

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	9.89	12.50	15.60	19.30	23.60	28.50					
25.0	9.56	12.15	15.25	18.85	23.10	28.00					
30.0	9.32	11.90	14.95	18.55	22.70	27.50	33.00	35.40			
35.0	9.13	11.70	14.75	18.30	22.40	27.20	32.60	34.90	38.70		
40.0	8.97	11.55	14.60	18.15	22.20	26.90	32.30	34.60	38.30	41.60	45.10
45.0	8.81	11.45	14.50	18.00	22.10	26.70	32.00	34.30	38.00	41.30	44.80
50.0	8.61	11.30	14.35	17.90	21.90	26.60	31.80	34.10	37.80	41.00	44.50
55.0	8.31	11.05	14.20	17.70	21.80	26.40	31.60	33.90	37.60	40.80	44.20
60.0		10.70	13.90	17.50	21.60	26.20	31.40	33.70	37.30	40.60	44.00
65.0			13.45	17.15	21.20	25.90	31.20	33.40	37.10	40.30	43.80
70.0				16.55	20.80	25.50	30.80	33.10	36.80	40.00	43.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	7.31
Length/Width, mm	243/242
Height, mm	387
Net Weight, kg	25
Gross Weight, kg	29
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.48
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: Evap./Cond./Suction at freq./speed)	-7 / 50 / 3 °C at 50 Hz
PED Category	1
Max. Internal Free Volume, l	2.90
High Side PS gauge, bar	32
Low Side PS gauge, bar	20
Low Side TS Max., °C	50
Refrigerant's GWP	1430
Refrigerant's classification	A1

50 Hz

ZH19K4E-PFJ

R134a

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

Maximum Operating Current, A	17.2
Locked Rotor Current, A	74
Winding Resistance, ohm	0.98/1.89 (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