



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
17.0	2.97	3.71	4.50									
20.0	2.72	3.47	4.27	5.14								
25.0	2.36	3.11	3.92	4.81	5.78	6.85						
30.0	2.08	2.80	3.61	4.49	5.47	6.57	7.78	8.30				
35.0	1.86	2.55	3.32	4.19	5.17	6.26	7.48	8.01	8.85	9.59	10.35	
40.0	1.73	2.36	3.08	3.91	4.86	5.93	7.15	7.68	8.52	9.27	10.05	11.75
45.0	1.67	2.22	2.87	3.64	4.54	5.58	6.78	7.30	8.13	8.88	9.67	11.40
50.0		2.14	2.70	3.40	4.23	5.22	6.37	6.87	7.69	8.42	9.20	10.90
55.0			2.57	3.17	3.92	4.83	5.92	6.40	7.18	7.89	8.65	10.30
60.0				2.97	3.61	4.43	5.43	5.88	6.63	7.30	8.03	9.64
65.0					3.31	4.01	4.91	5.33	6.01	6.64	7.33	
67.0						3.84	4.69	5.09	5.75	6.36	7.03	

50 Hz

ZH19K4E-PFJ

R407C 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
17.0	1.04	1.08	1.13									
20.0	1.10	1.14	1.19	1.25								
25.0	1.21	1.25	1.30	1.36	1.42	1.52						
30.0	1.32	1.36	1.41	1.47	1.54	1.62	1.74	1.78				
35.0	1.42	1.48	1.53	1.59	1.66	1.74	1.84	1.89	1.97	2.05	2.13	
40.0	1.52	1.59	1.66	1.72	1.80	1.88	1.98	2.02	2.10	2.17	2.24	2.42
45.0	1.61	1.70	1.78	1.86	1.94	2.03	2.13	2.17	2.25	2.31	2.39	2.55
50.0		1.82	1.92	2.02	2.11	2.20	2.30	2.35	2.42	2.49	2.56	2.72
55.0			2.06	2.18	2.28	2.39	2.50	2.55	2.62	2.68	2.75	2.91
60.0				2.35	2.47	2.59	2.71	2.76	2.84	2.91	2.98	3.14
65.0					2.67	2.81	2.95	3.00	3.09	3.16	3.23	
67.0						2.90	3.05	3.10	3.19	3.27	3.34	

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
17.0	5.56	5.61	5.86									
20.0	6.09	6.11	6.30	6.68								
25.0	6.86	6.86	6.99	7.26	7.71	8.33						
30.0	7.49	7.51	7.62	7.84	8.18	8.67	9.32	9.63				
35.0	7.98	8.06	8.19	8.40	8.69	9.08	9.60	9.85	10.26	10.65	11.08	
40.0	8.35	8.53	8.72	8.95	9.23	9.57	10.01	10.21	10.54	10.85	11.19	11.98
45.0	8.58	8.91	9.21	9.50	9.81	10.15	10.53	10.70	10.98	11.23	11.51	12.13
50.0		9.21	9.66	10.06	10.44	10.81	11.18	11.34	11.59	11.80	12.03	12.54
55.0			10.07	10.62	11.11	11.56	11.97	12.13	12.37	12.57	12.78	13.20
60.0				11.20	11.84	12.40	12.89	13.07	13.33	13.54	13.74	14.13
65.0					12.63	13.35	13.96	14.18	14.48	14.71	14.93	
67.0						13.76	14.43	14.66	14.99	15.24	15.47	

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
17.0	15.80	19.45	23.20									
20.0	14.85	18.65	22.60	26.80								
25.0	13.45	17.40	21.60	26.10	30.90	36.10						
30.0	12.35	16.40	20.70	25.40	30.50	36.00	42.10	44.60				
35.0	11.65	15.65	20.00	24.80	30.10	35.90	42.30	45.10	49.30	53.10	57.00	
40.0	11.40	15.20	19.50	24.30	29.70	35.70	42.40	45.30	49.80	53.70	57.90	66.90
45.0	11.60	15.15	19.20	23.90	29.30	35.40	42.30	45.20	50.00	54.10	58.50	67.90
50.0		15.50	19.20	23.70	28.90	35.00	42.00	45.00	49.90	54.20	58.70	68.60
55.0			19.50	23.60	28.50	34.50	41.40	44.50	49.50	53.90	58.50	68.80
60.0				23.70	28.20	33.90	40.70	43.80	48.70	53.20	58.00	68.50
65.0					28.00	33.20	39.70	42.70	47.60	52.10	57.00	
67.0						32.90	39.20	42.20	47.10	51.60	56.40	

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:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
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	1774
Refrigerant's classification	A1

50 Hz

ZH19K4E-PFJ

R407C Dew Point

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