



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
17.0	1.89	2.44	3.10									
20.0	1.84	2.37	3.02	3.79								
25.0	1.74	2.26	2.88	3.62	4.50	5.52						
30.0	1.64	2.14	2.74	3.45	4.29	5.27	6.41	6.92				
35.0	1.54	2.02	2.59	3.27	4.07	5.01	6.10	6.59	7.36	8.06	8.80	
40.0	1.44	1.89	2.44	3.08	3.85	4.74	5.78	6.24	6.98	7.65	8.36	9.93
45.0	1.32	1.76	2.28	2.89	3.61	4.46	5.45	5.89	6.59	7.23	7.91	9.41
50.0		1.63	2.12	2.69	3.37	4.17	5.11	5.52	6.19	6.80	7.44	8.87
55.0			1.95	2.49	3.13	3.88	4.76	5.15	5.78	6.35	6.96	8.32
60.0				2.28	2.88	3.58	4.40	4.77	5.36	5.90	6.47	7.75
65.0					2.62	3.27	4.03	4.37	4.93	5.43	5.97	
67.0						3.14	3.88	4.21	4.75	5.24	5.77	

50 Hz

ZH15K4E-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	0.82	0.85	0.89									
20.0	0.86	0.89	0.92	0.96								
25.0	0.92	0.95	0.98	1.02	1.06	1.10						
30.0	1.00	1.03	1.06	1.10	1.12	1.16	1.21	1.23				
35.0	1.08	1.12	1.16	1.18	1.22	1.25	1.29	1.31	1.34	1.36	1.40	
40.0	1.19	1.23	1.27	1.30	1.32	1.36	1.39	1.40	1.43	1.46	1.48	1.54
45.0	1.32	1.36	1.40	1.42	1.46	1.48	1.51	1.52	1.54	1.56	1.59	1.64
50.0		1.50	1.54	1.58	1.60	1.63	1.66	1.67	1.68	1.70	1.72	1.76
55.0			1.72	1.75	1.78	1.80	1.82	1.84	1.86	1.86	1.88	1.92
60.0				1.94	1.98	2.00	2.02	2.03	2.05	2.06	2.07	2.10
65.0					2.20	2.23	2.25	2.26	2.27	2.28	2.29	
67.0						2.33	2.35	2.36	2.37	2.38	2.39	

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	4.77	4.89	5.02									
20.0	4.90	5.02	5.15	5.28								
25.0	5.15	5.27	5.39	5.52	5.66	5.83						
30.0	5.44	5.57	5.69	5.81	5.94	6.10	6.28	6.36				
35.0	5.79	5.93	6.05	6.17	6.29	6.43	6.59	6.66	6.78	6.89	7.01	
40.0	6.20	6.35	6.49	6.61	6.72	6.84	6.98	7.05	7.15	7.24	7.35	7.60
45.0	6.68	6.86	7.00	7.13	7.24	7.35	7.47	7.53	7.62	7.70	7.79	8.00
50.0		7.45	7.61	7.74	7.85	7.96	8.07	8.12	8.19	8.26	8.34	8.52
55.0			8.31	8.45	8.57	8.68	8.78	8.82	8.89	8.95	9.01	9.17
60.0				9.28	9.41	9.52	9.61	9.65	9.71	9.76	9.82	9.94
65.0					10.38	10.49	10.58	10.62	10.67	10.71	10.76	
67.0						10.91	11.01	11.04	11.09	11.14	11.18	

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	10.05	12.75	16.00									
20.0	10.00	12.70	15.95	19.70								
25.0	9.89	12.65	15.85	19.65	24.00	29.10						
30.0	9.76	12.50	15.75	19.50	23.90	28.90	34.70	37.20				
35.0	9.61	12.35	15.60	19.35	23.70	28.80	34.50	37.00	41.00	44.60	48.40	
40.0	9.44	12.20	15.45	19.20	23.50	28.50	34.30	36.80	40.80	44.40	48.20	56.40
45.0	9.24	12.05	15.25	19.00	23.30	28.30	34.00	36.50	40.50	44.10	47.80	56.10
50.0		11.80	15.05	18.75	23.10	28.00	33.70	36.20	40.20	43.70	47.50	55.80
55.0			14.80	18.50	22.80	27.70	33.30	35.80	39.80	43.40	47.10	55.40
60.0				18.20	22.40	27.30	33.00	35.50	39.40	43.00	46.80	55.10
65.0					22.10	27.00	32.60	35.10	39.10	42.60	46.40	
67.0						26.90	32.50	34.90	38.90	42.50	46.30	

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /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 Power with Sound Shell (HT), dBA	62
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	1774
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**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
PFJ	220-240 V / 1~ / 50 Hz	230		PSC	1.00
PFJ	265 V / 1~ / 60 Hz	265		PSC	0.75