



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	
17.0	2.36	2.93	3.58											
20.0	2.35	2.91	3.57	4.32										
25.0	2.32	2.88	3.53	4.28	5.13	6.09								
30.0	2.28	2.84	3.49	4.22	5.06	6.01	7.07	7.53	8.25					
35.0	2.23	2.79	3.43	4.16	4.98	5.91	6.95	7.40	8.11	8.74	9.40			
40.0	2.18	2.73	3.36	4.08	4.88	5.80	6.82	7.26	7.96	8.57	9.22	10.60	12.15	
45.0	2.13	2.67	3.28	3.98	4.77	5.67	6.66	7.09	7.77	8.37	9.00	10.35	11.85	
50.0	2.07	2.60	3.20	3.88	4.65	5.51	6.48	6.90	7.56	8.15	8.76	10.10	11.55	
55.0	2.01	2.52	3.10	3.76	4.51	5.35	6.29	6.70	7.34	7.91	8.50	9.79	11.20	
60.0		2.44	3.01	3.64	4.36	5.17	6.08	6.47	7.10	7.65	8.22	9.47		
65.0			2.90	3.51	4.20	4.98	5.86	6.23	6.83	7.36	7.92			
67.0			2.86	3.46	4.14	4.90	5.76	6.13	6.72	7.24	7.79			

50 Hz

ZH06KVE-TFM

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	25.0
17.0	0.86	0.88	0.91										
20.0	0.91	0.94	0.96	0.99									
25.0	1.01	1.03	1.07	1.10	1.12	1.15							
30.0	1.11	1.14	1.18	1.22	1.25	1.27	1.30	1.32	1.34				
35.0	1.23	1.27	1.31	1.34	1.38	1.41	1.44	1.46	1.48	1.49	1.50		
40.0	1.36	1.40	1.45	1.50	1.53	1.56	1.60	1.62	1.64	1.65	1.67	1.70	1.74
45.0	1.50	1.56	1.62	1.66	1.70	1.74	1.78	1.80	1.82	1.84	1.86	1.89	1.94
50.0	1.66	1.74	1.80	1.86	1.90	1.94	1.99	2.01	2.03	2.05	2.07	2.11	2.15
55.0	1.86	1.94	2.01	2.07	2.13	2.18	2.23	2.24	2.27	2.29	2.31	2.35	2.40
60.0		2.16	2.24	2.31	2.38	2.44	2.49	2.51	2.54	2.57	2.59	2.64	
65.0			2.51	2.59	2.67	2.73	2.80	2.82	2.85	2.88	2.91		
67.0			2.62	2.71	2.79	2.86	2.93	2.95	2.99	3.01	3.04		

Cond °C	Current at 400 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	2.22	2.24	2.27										
20.0	2.27	2.30	2.32	2.35									
25.0	2.37	2.40	2.43	2.45	2.48	2.51							
30.0	2.47	2.51	2.54	2.57	2.60	2.64	2.67	2.68	2.70				
35.0	2.59	2.64	2.68	2.72	2.75	2.79	2.82	2.83	2.86	2.88	2.89		
40.0	2.73	2.79	2.84	2.88	2.93	2.97	3.00	3.02	3.04	3.06	3.08	3.12	3.17
45.0	2.90	2.97	3.03	3.08	3.13	3.18	3.22	3.24	3.27	3.29	3.31	3.35	3.40
50.0	3.09	3.17	3.25	3.32	3.38	3.43	3.48	3.50	3.53	3.55	3.58	3.63	3.68
55.0	3.32	3.42	3.51	3.59	3.66	3.72	3.79	3.81	3.84	3.87	3.90	3.95	4.00
60.0		3.71	3.81	3.91	3.99	4.07	4.14	4.17	4.21	4.24	4.27	4.33	
65.0			4.17	4.28	4.38	4.47	4.56	4.59	4.64	4.67	4.71		
67.0			4.33	4.45	4.55	4.65	4.74	4.77	4.82	4.86	4.90		

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	10.10	12.65	15.65										
20.0	10.10	12.65	15.70	19.25									
25.0	10.05	12.65	15.70	19.30	23.50	28.30							
30.0	9.98	12.60	15.70	19.25	23.40	28.20	33.80	36.20	40.10				
35.0	9.89	12.50	15.60	19.20	23.30	28.10	33.60	36.10	40.00	43.50	47.20		
40.0	9.77	12.40	15.45	19.05	23.20	27.90	33.40	35.80	39.70	43.20	46.90	55.20	64.60
45.0	9.64	12.25	15.30	18.85	22.90	27.60	33.10	35.50	39.30	42.80	46.50	54.70	64.10
50.0	9.49	12.10	15.10	18.55	22.60	27.30	32.70	35.00	38.90	42.30	46.00	54.10	63.40
55.0	9.33	11.90	14.85	18.25	22.30	26.90	32.20	34.50	38.30	41.70	45.30	53.40	62.60
60.0		11.65	14.55	17.95	21.80	26.40	31.60	33.90	37.60	40.90	44.50	52.50	
65.0			14.25	17.55	21.40	25.80	30.90	33.20	36.80	40.10	43.60		
67.0			14.15	17.40	21.20	25.50	30.60	32.80	36.50	39.70	43.20		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	5.76
Length/Width, mm	243/243
Height, mm	364
Net Weight, kg	27.5
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	58
Sound Power (HT), dBA	69
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
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 (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	4.4
Locked Rotor Current, A	26
Winding Resistance, ohm	7.1
Default Enclosure Class	IP 21 (IEC 34)

50 Hz

ZH06KVE-TFM

R407C Dew Point

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFM	380-420 V / 3~ / 50 Hz	400		Y	1.00