



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	25.0
17.0	3.20	3.90	4.77	5.81									
20.0	3.04	3.73	4.58	5.60	6.80								
25.0	2.80	3.47	4.29	5.27	6.42	7.76							
30.0	2.60	3.24	4.02	4.96	6.06	7.34	8.81	9.45	10.50				
35.0	2.41	3.02	3.77	4.66	5.70	6.92	8.31	8.92	9.90	10.75	11.70	13.70	
40.0	2.24	2.82	3.52	4.36	5.34	6.49	7.81	8.39	9.32	10.15	11.00	12.95	15.10
45.0		2.62	3.27	4.06	4.98	6.06	7.30	7.84	8.71	9.49	10.30	12.15	14.15
50.0			3.02	3.75	4.60	5.60	6.76	7.27	8.08	8.81	9.59	11.30	13.20
55.0				3.42	4.20	5.12	6.19	6.66	7.42	8.09	8.82	10.40	12.20
60.0					3.77	4.60	5.58	6.01	6.70	7.32	7.99	9.45	11.10
65.0						4.03	4.91	5.29	5.92	6.48	7.09		
68.0							3.66	4.47	4.83	5.41			

50 Hz

ZH06K1P-TFM

R410A 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	0.89	0.89	0.87	0.85									
20.0	1.02	1.02	1.02	1.00	0.97								
25.0	1.22	1.23	1.23	1.22	1.20	1.17							
30.0	1.41	1.42	1.43	1.43	1.42	1.40	1.36	1.34	1.31				
35.0	1.59	1.61	1.62	1.63	1.63	1.62	1.59	1.58	1.54	1.52	1.48	1.41	
40.0	1.77	1.80	1.82	1.84	1.84	1.83	1.81	1.80	1.78	1.76	1.73	1.66	1.57
45.0		2.00	2.02	2.04	2.05	2.06	2.04	2.03	2.02	2.00	1.98	1.92	1.84
50.0			2.24	2.27	2.29	2.29	2.29	2.28	2.27	2.25	2.24	2.18	2.11
55.0				2.52	2.54	2.56	2.56	2.55	2.54	2.53	2.52	2.47	2.41
60.0					2.83	2.85	2.86	2.86	2.85	2.84	2.83	2.79	2.73
65.0						3.18	3.20	3.20	3.19	3.19	3.18		
68.0						3.41	3.42	3.42	3.42				

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	2.64	2.64	2.63	2.61									
20.0	2.68	2.69	2.69	2.68	2.65								
25.0	2.79	2.81	2.82	2.82	2.81	2.77							
30.0	2.95	2.96	2.98	3.00	2.99	2.97	2.93	2.90	2.84				
35.0	3.14	3.16	3.18	3.20	3.21	3.20	3.17	3.15	3.11	3.07	3.02	2.87	
40.0	3.38	3.39	3.41	3.43	3.45	3.46	3.45	3.43	3.40	3.37	3.33	3.21	3.05
45.0		3.67	3.68	3.71	3.73	3.74	3.74	3.73	3.72	3.69	3.66	3.57	3.43
50.0			4.00	4.02	4.04	4.06	4.06	4.06	4.05	4.03	4.01	3.94	3.82
55.0				4.37	4.39	4.40	4.41	4.41	4.41	4.40	4.38	4.32	4.23
60.0					4.77	4.78	4.79	4.79	4.79	4.78	4.77	4.73	4.65
65.0						5.20	5.21	5.21	5.21	5.20	5.19		
68.0						5.47	5.48	5.47	5.47				

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	25.0
17.0	16.45	19.85	24.00	28.90									
20.0	16.05	19.45	23.60	28.60	34.30								
25.0	15.45	18.95	23.10	28.00	33.80	40.40							
30.0	15.05	18.50	22.70	27.60	33.40	40.00	47.50	50.80	56.00				
35.0	14.70	18.20	22.30	27.30	33.00	39.60	47.10	50.30	55.50	60.20	65.00	75.70	
40.0	14.45	17.90	22.10	26.90	32.60	39.10	46.60	49.80	55.00	59.60	64.50	75.10	86.90
45.0		17.70	21.80	26.60	32.20	38.70	46.10	49.30	54.50	59.10	63.90	74.50	86.30
50.0			21.50	26.30	31.80	38.20	45.60	48.80	53.90	58.40	63.30	73.80	85.60
55.0				25.90	31.40	37.70	44.90	48.10	53.20	57.70	62.60	73.10	84.90
60.0					30.80	37.10	44.30	47.40	52.50	57.00	61.80	72.40	84.30
65.0						36.50	43.60	46.80	51.80	56.40	61.20		
68.0						35.80	42.90	46.00	51.10				

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	5.13
Length/Width, mm	242/242
Height, mm	418
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.24
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	62
Sound Power (HT), dBA	73
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	3.90
High Side PS gauge, bar	46
Low Side PS gauge, bar	28
Refrigerant's GWP	2088
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	6.2
Locked Rotor Current, A	43
Winding Resistance, ohm	4.17
Default Enclosure Class	IP 21 (IEC 34)

50 Hz

ZH06K1P-TFM

R410A Dew Point

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

Crankcase Heater

40 W External

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