



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 5 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

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	3.41	4.16	5.08	6.18									
20.0	3.25	3.99	4.89	5.98	7.25								
25.0	3.01	3.73	4.60	5.65	6.88	8.30							
30.0	2.81	3.50	4.34	5.34	6.52	7.89	9.46	10.15	11.25				
35.0	2.62	3.28	4.09	5.05	6.17	7.48	8.98	9.64	10.70	11.65	12.60	14.80	
40.0	2.46	3.09	3.85	4.76	5.83	7.07	8.50	9.13	10.15	11.00	11.95	14.05	16.35
45.0		2.89	3.61	4.47	5.48	6.65	8.01	8.60	9.55	10.40	11.30	13.30	15.50
50.0			3.37	4.18	5.12	6.22	7.50	8.06	8.96	9.76	10.60	12.50	14.60
55.0				3.87	4.75	5.78	6.97	7.50	8.34	9.10	9.90	11.65	13.65
60.0					4.36	5.31	6.42	6.91	7.70	8.41	9.16	10.80	12.70
65.0						4.82	5.85	6.30	7.04	7.70	8.41		
68.0							4.53	5.51	5.95	6.65			

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	16.35	19.75	23.80	28.70									
20.0	15.95	19.35	23.50	28.40	34.10								
25.0	15.40	18.85	23.00	27.90	33.60	40.20							
30.0	14.95	18.40	22.60	27.50	33.20	39.70	47.20	50.40	55.60				
35.0	14.60	18.10	22.20	27.10	32.80	39.30	46.70	50.00	55.10	59.70	64.60	75.10	
40.0	14.40	17.80	21.90	26.80	32.40	38.90	46.30	49.50	54.60	59.20	64.00	74.50	86.20
45.0		17.60	21.70	26.50	32.00	38.50	45.80	49.00	54.10	58.60	63.50	73.90	85.60
50.0			21.40	26.10	31.60	38.00	45.30	48.40	53.50	58.00	62.80	73.30	84.90
55.0				25.80	31.20	37.50	44.60	47.80	52.80	57.30	62.10	72.50	84.20
60.0					30.70	36.80	44.00	47.10	52.10	56.60	61.40	71.80	83.60
65.0						36.20	43.30	46.50	51.50	56.00	60.80		
68.0						36.00	43.10	46.20	51.30				

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