



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	7.74	9.54	11.65	14.15									
20.0	7.47	9.24	11.35	13.75	16.60								
25.0	7.04	8.76	10.75	13.10	15.85	19.00							
30.0	6.63	8.28	10.20	12.45	15.10	18.10	21.50	23.00	25.40				
35.0	6.23	7.81	9.66	11.80	14.30	17.15	20.50	21.90	24.20	26.30	28.40	33.20	
40.0	5.83	7.34	9.10	11.15	13.50	16.25	19.35	20.70	22.90	24.90	27.00	31.50	36.70
45.0		6.88	8.54	10.45	12.70	15.30	18.25	19.55	21.60	23.50	25.50	29.80	34.70
50.0			7.97	9.79	11.90	14.30	17.10	18.35	20.30	22.10	24.00	28.10	32.80
55.0				9.09	11.05	13.35	15.95	17.10	18.95	20.60	22.40	26.30	30.80
60.0					10.20	12.30	14.80	15.85	17.60	19.15	20.80	24.50	28.70
65.0						11.35	13.60	14.65	16.25	17.75	19.30		
68.0						10.75	12.95	13.95	15.50				

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	2.39	2.42	2.42	2.41									
20.0	2.56	2.59	2.60	2.60	2.58								
25.0	2.83	2.87	2.90	2.92	2.92	2.90							
30.0	3.11	3.17	3.21	3.25	3.27	3.27	3.25	3.23	3.20				
35.0	3.40	3.48	3.54	3.60	3.64	3.67	3.67	3.66	3.64	3.62	3.59	3.50	
40.0	3.72	3.81	3.90	3.98	4.04	4.09	4.11	4.12	4.12	4.11	4.09	4.03	3.94
45.0		4.19	4.29	4.39	4.48	4.55	4.60	4.62	4.63	4.64	4.64	4.61	4.55
50.0			4.73	4.85	4.96	5.06	5.14	5.17	5.20	5.22	5.24	5.25	5.22
55.0				5.37	5.50	5.63	5.74	5.77	5.83	5.86	5.90	5.94	5.95
60.0					6.11	6.26	6.40	6.45	6.52	6.58	6.62	6.70	6.75
65.0						6.97	7.14	7.20	7.29	7.37	7.43		
68.0						7.44	7.63	7.70	7.80				

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	5.71	5.73	5.74	5.73									
20.0	5.85	5.88	5.90	5.90	5.88								
25.0	6.10	6.14	6.18	6.20	6.20	6.18							
30.0	6.38	6.44	6.49	6.53	6.55	6.55	6.52	6.50	6.46				
35.0	6.69	6.77	6.84	6.90	6.95	6.98	6.98	6.97	6.95	6.92	6.89	6.78	
40.0	7.04	7.15	7.25	7.34	7.42	7.47	7.51	7.51	7.51	7.50	7.48	7.41	7.29
45.0		7.59	7.72	7.84	7.95	8.04	8.11	8.13	8.15	8.16	8.16	8.13	8.05
50.0			8.27	8.43	8.57	8.70	8.81	8.84	8.89	8.92	8.94	8.95	8.92
55.0				9.11	9.29	9.46	9.61	9.66	9.73	9.79	9.83	9.89	9.91
60.0					10.12	10.34	10.53	10.60	10.70	10.78	10.84	10.95	11.02
65.0						11.34	11.58	11.67	11.80	11.90	11.99		
68.0						12.00	12.28	12.38	12.53				

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	37.10	45.30	54.80	65.80									
20.0	36.70	44.90	54.40	65.40	78.10								
25.0	36.00	44.20	53.70	64.70	77.40	91.80							
30.0	35.30	43.60	53.10	64.10	76.70	91.00	107.50	114.50	126.00				
35.0	34.70	43.00	52.50	63.40	75.90	90.20	106.50	113.50	125.00	135.00	145.50	168.50	
40.0	34.10	42.40	51.90	62.70	75.10	89.30	105.50	112.50	123.50	133.50	144.50	167.50	193.50
45.0		41.80	51.20	62.00	74.30	88.40	104.50	111.50	122.50	132.50	143.00	166.00	192.00
50.0			50.60	61.30	73.50	87.40	103.50	110.00	121.50	131.00	142.00	165.00	191.00
55.0				60.50	72.60	86.40	102.00	109.00	120.00	130.00	140.50	163.50	189.50
60.0					71.80	85.50	101.00	108.00	119.00	129.00	139.50	163.00	189.00
65.0						85.10	101.00	108.00	119.00	129.00	139.50		
68.0							85.50	101.50	108.50	119.50			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	11.7
Length/Width, mm	245/249
Height, mm	442
Net Weight, kg	39.5
Gross Weight, kg	46
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.89
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	67
Sound Power (HT), dBA	78
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	5.30
High Side PS gauge, bar	46
Low Side PS gauge, bar	28
Low Side TS Max., °C	50
Refrigerant's GWP	2088
Refrigerant's classification	A1

50 Hz

ZH15K1P-TFM

R410A Dew Point

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

Maximum Operating Current, A	15
Locked Rotor Current, A	75
Winding Resistance, ohm	2.27
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
TFM	380-420 V / 3~ / 50 Hz	400		Y	1.00