



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	12.5
27.0	5.27	6.55	8.25	10.30	12.65	15.20	17.95	19.30
30.0	5.32	6.52	8.14	10.10	12.35	14.85	17.45	18.80
35.0	5.30	6.37	7.85	9.69	11.80	14.15	16.60	17.85
40.0	5.17	6.11	7.48	9.19	11.20	13.40	15.70	16.90
45.0		5.77	7.03	8.63	10.50	12.60	14.80	15.95
50.0			6.51	8.02	9.80	11.80	13.90	15.00
55.0				7.37	9.07	10.95	13.00	14.05
60.0					8.34	10.15	12.10	13.10
65.0						9.37	11.25	12.25

50 Hz

ZP49KUE-TFM

R410A Dew Point

Cond °C	Power, kW							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	12.5
27.0	2.06	2.10	2.11	2.11	2.09	2.07	2.05	2.04
30.0	2.19	2.23	2.25	2.25	2.24	2.22	2.20	2.19
35.0	2.44	2.48	2.50	2.50	2.49	2.47	2.46	2.45
40.0	2.72	2.76	2.78	2.79	2.78	2.76	2.75	2.74
45.0		3.08	3.10	3.11	3.10	3.08	3.07	3.06
50.0			3.47	3.47	3.46	3.45	3.43	3.43
55.0				3.88	3.87	3.86	3.84	3.83
60.0					4.33	4.32	4.30	4.29
65.0						4.84	4.82	4.81

Cond °C	Current at 380 V, A							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	12.5
27.0	4.41	4.91	5.21	5.36	5.42	5.48	5.58	5.66
30.0	4.73	5.21	5.48	5.61	5.66	5.70	5.79	5.88
35.0	5.23	5.66	5.89	5.99	6.02	6.04	6.12	6.20
40.0	5.71	6.10	6.29	6.36	6.36	6.36	6.43	6.50
45.0		6.56	6.71	6.74	6.72	6.70	6.75	6.82
50.0			7.18	7.18	7.13	7.09	7.12	7.19
55.0				7.70	7.62	7.56	7.58	7.64
60.0					8.24	8.15	8.16	8.21
65.0						8.90	8.88	8.93

Cond °C	Suction Mass Flow, g/s							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	12.5
27.0	27.00	33.20	41.40	51.20	62.20	74.10	86.60	92.90
30.0	28.00	33.90	41.80	51.40	62.20	74.00	86.30	92.50
35.0	29.20	34.60	42.20	51.40	62.00	73.50	85.60	91.70
40.0	29.80	34.80	42.10	51.10	61.50	72.80	84.80	90.80
45.0		34.60	41.60	50.50	60.70	72.00	83.90	89.90
50.0			40.80	49.60	59.80	71.10	83.00	89.00
55.0				48.40	58.80	70.20	82.30	88.40
60.0					57.80	69.60	82.00	88.20
65.0						69.40	82.30	88.90

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	8.01
Length/Width, mm	246/246
Height, mm	426
Net Weight, kg	29.9
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.24
Base mounting (hole dia), mm	190 x 190 (19)
Sound Pressure @ 1m (HT), dBA	60
Sound Power (HT), dBA	71
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	7 / 54 / 18 °C at 50 Hz
High Side PS gauge, bar	43
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	11
Locked Rotor Current, A	72
Winding Resistance, ohm	3.12
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	380		Y	1.00