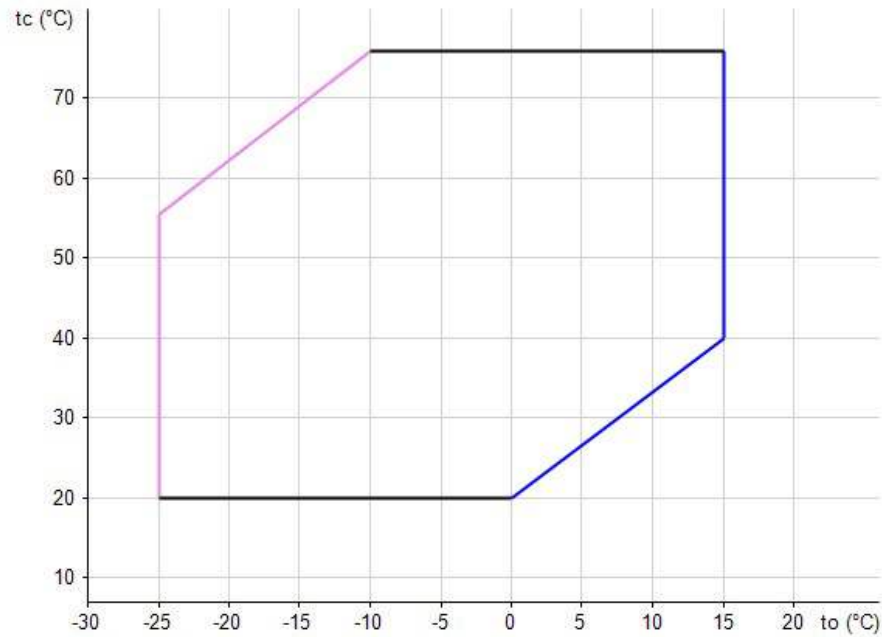




Minimum Evaporating Temp. With:

10 K Suction Superheat

Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW										
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	4.62	6.09	7.90	10.10	12.70	15.75					
25.0	4.30	5.71	7.43	9.50	12.00	14.90					
30.0	4.01	5.35	6.98	8.96	11.30	14.10	17.35	18.80			
35.0	3.75	5.02	6.56	8.44	10.70	13.35	16.45	17.80	20.00		
40.0	3.51	4.71	6.17	7.95	10.05	12.60	15.55	16.85	19.00	20.90	23.00
45.0	3.29	4.43	5.81	7.49	9.50	11.90	14.70	15.95	18.00	19.80	21.80
50.0	3.10	4.17	5.47	7.05	8.95	11.20	13.85	15.05	17.00	18.75	20.60
55.0	2.94	3.94	5.16	6.64	8.43	10.55	13.10	14.20	16.05	17.70	19.45
60.0		3.74	4.88	6.26	7.94	9.94	12.30	13.40	15.10	16.70	18.40
65.0			4.62	5.91	7.47	9.35	11.60	12.60	14.25	15.70	17.30
70.0				5.59	7.04	8.80	10.90	11.85	13.40	14.80	16.30
75.0				5.30	6.64	8.27	10.25	11.10	12.55	13.90	15.30

50 Hz

ZH56K4E-TWD

R134a

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	2.48	2.57	2.67	2.77	2.88	3.00					
25.0	2.60	2.70	2.80	2.90	3.02	3.14					
30.0	2.72	2.83	2.94	3.05	3.17	3.30	3.45	3.51			
35.0	2.85	2.97	3.09	3.22	3.35	3.49	3.64	3.71	3.81		
40.0	2.99	3.13	3.27	3.40	3.55	3.70	3.86	3.93	4.04	4.13	4.23
45.0	3.13	3.30	3.45	3.61	3.77	3.93	4.11	4.18	4.30	4.40	4.51
50.0	3.29	3.48	3.66	3.84	4.02	4.20	4.39	4.47	4.60	4.71	4.82
55.0	3.47	3.68	3.89	4.09	4.29	4.50	4.71	4.80	4.94	5.05	5.18
60.0		3.90	4.14	4.37	4.60	4.83	5.07	5.17	5.31	5.44	5.57
65.0			4.41	4.68	4.94	5.20	5.46	5.57	5.73	5.88	6.02
70.0				5.01	5.31	5.60	5.90	6.02	6.20	6.35	6.51
75.0				5.38	5.71	6.04	6.37	6.51	6.71	6.88	7.05

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	9.78	9.83	9.89	9.95	10.01	10.09					
25.0	9.85	9.91	9.97	10.03	10.10	10.18					
30.0	9.93	9.99	10.06	10.12	10.20	10.28	10.38	10.42			
35.0	10.00	10.07	10.15	10.23	10.31	10.40	10.51	10.55	10.62		
40.0	10.08	10.16	10.25	10.34	10.44	10.54	10.66	10.71	10.79	10.86	10.93
45.0	10.17	10.27	10.37	10.48	10.59	10.71	10.84	10.90	10.98	11.06	11.14
50.0	10.27	10.39	10.51	10.64	10.77	10.91	11.05	11.12	11.21	11.30	11.39
55.0	10.39	10.54	10.68	10.83	10.98	11.14	11.31	11.38	11.49	11.58	11.68
60.0		10.71	10.88	11.05	11.23	11.41	11.60	11.68	11.81	11.91	12.02
65.0			11.11	11.31	11.51	11.72	11.94	12.03	12.17	12.29	12.42
70.0				11.61	11.84	12.09	12.33	12.44	12.60	12.73	12.87
75.0				11.96	12.23	12.50	12.78	12.90	13.08	13.23	13.39

50 Hz

ZH56K4E-TWD

R134a

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	26.20	34.00	43.20	54.20	67.00	81.70					
25.0	25.50	33.10	42.30	53.10	65.70	80.30					
30.0	24.80	32.40	41.40	52.10	64.60	79.10	95.60	103.00			
35.0	24.20	31.70	40.70	51.30	63.60	77.90	94.30	101.50	113.00		
40.0	23.80	31.20	40.10	50.50	62.70	76.90	93.10	100.50	111.50	122.00	132.50
45.0	23.50	30.90	39.60	49.90	62.00	76.00	92.10	99.20	110.50	120.50	131.00
50.0	23.40	30.70	39.40	49.50	61.40	75.30	91.20	98.20	109.50	119.50	130.00
55.0	23.50	30.80	39.30	49.30	61.10	74.80	90.60	97.50	108.50	118.50	129.00
60.0		31.00	39.40	49.30	60.90	74.50	90.10	97.00	108.00	118.00	128.50
65.0			39.90	49.70	61.10	74.50	90.00	96.90	108.00	118.00	128.50
70.0				50.40	61.70	74.90	90.30	97.20	108.00	118.00	128.50
75.0				51.70	62.80	75.90	91.20	98.00	109.00	119.00	129.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	20.9
Length/Width, mm	357/321
Height, mm	497
Net Weight, kg	93
Gross Weight, kg	100
Stub Suction, inch	1 3/8
Stub Discharge, inch	7/8
Oil Quantity, l	4
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	220 x 220 (8.5)
Sound Pressure @ 1m (HT), dBA	72
Sound Power (HT), dBA	83
Sound Power with Sound Shell (HT), dBA	73
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	2
Max. Internal Free Volume, l	17.0
High Side PS gauge, bar	32
Low Side PS gauge, bar	22.6
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	1430
Refrigerant's classification	A1

50 Hz

ZH56K4E-TWD

R134a

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

Maximum Operating Current, A	17
Locked Rotor Current, A	99
Winding Resistance, ohm	1.41
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED
ACCESSORIES OPTIONAL

Sound Attenuation	Sound Shell (10dBA)
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MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TWD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TWR	220-240 V / 3~ / 50 Hz	230		Y	1.73