



Minimum Evaporating Temp. With:

— 10 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
20.0	2.17	2.80	3.58	4.51	5.63	6.95							
25.0	2.03	2.64	3.39	4.29	5.36	6.64	8.13						
30.0	1.90	2.48	3.20	4.06	5.09	6.32	7.75	8.39	9.42				
35.0	1.77	2.33	3.01	3.84	4.82	5.99	7.37	7.98	8.97	9.87	10.80		
40.0	1.64	2.18	2.82	3.61	4.55	5.67	6.99	7.57	8.52	9.38	10.30	12.35	
45.0	1.52	2.02	2.64	3.38	4.28	5.34	6.60	7.16	8.07	8.89	9.77	11.75	13.95
50.0	1.40	1.87	2.45	3.15	4.00	5.01	6.20	6.74	7.61	8.39	9.23	11.10	13.25
55.0	1.28	1.72	2.27	2.93	3.72	4.68	5.81	6.32	7.14	7.89	8.69	10.50	12.55
60.0		1.58	2.08	2.70	3.44	4.34	5.41	5.89	6.67	7.38	8.14	9.85	11.80
65.0			1.90	2.47	3.16	4.00	5.00	5.46	6.19	6.86	7.59	9.21	11.10
70.0				2.24	2.88	3.66	4.60	5.02	5.71	6.34	7.03	8.56	
75.0				2.01	2.60	3.31	4.18	4.58	5.22	5.81	6.45		

50 Hz

ZH26K4E-TFD

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	25.0
20.0	0.93	0.96	0.99	1.02	1.03	1.04							
25.0	1.01	1.04	1.08	1.10	1.13	1.15	1.16						
30.0	1.10	1.14	1.17	1.20	1.24	1.27	1.28	1.29	1.30				
35.0	1.18	1.23	1.27	1.31	1.35	1.38	1.41	1.42	1.44	1.44	1.45		
40.0	1.28	1.33	1.38	1.42	1.47	1.51	1.54	1.56	1.58	1.59	1.60	1.62	
45.0	1.38	1.44	1.50	1.55	1.60	1.65	1.70	1.71	1.74	1.76	1.77	1.80	1.82
50.0	1.50	1.56	1.63	1.69	1.75	1.80	1.86	1.88	1.90	1.93	1.95	1.98	2.02
55.0	1.64	1.70	1.78	1.84	1.91	1.98	2.04	2.06	2.09	2.12	2.15	2.19	2.23
60.0		1.86	1.94	2.01	2.09	2.16	2.23	2.26	2.30	2.33	2.36	2.42	2.47
65.0			2.12	2.20	2.29	2.37	2.45	2.48	2.53	2.56	2.60	2.67	2.73
70.0				2.41	2.50	2.60	2.69	2.72	2.77	2.82	2.86	2.94	
75.0				2.64	2.75	2.85	2.95	2.99	3.05	3.09	3.14		

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
20.0	2.97	2.99	3.01	3.03	3.05	3.06							
25.0	3.03	3.06	3.08	3.11	3.13	3.14	3.15						
30.0	3.10	3.13	3.16	3.19	3.21	3.23	3.25	3.26	3.27				
35.0	3.17	3.20	3.24	3.28	3.31	3.34	3.36	3.37	3.39	3.39	3.40		
40.0	3.25	3.29	3.33	3.38	3.42	3.46	3.49	3.51	3.52	3.54	3.55	3.56	
45.0	3.34	3.39	3.44	3.50	3.55	3.60	3.64	3.66	3.68	3.70	3.72	3.75	3.77
50.0	3.45	3.51	3.57	3.63	3.70	3.76	3.81	3.83	3.86	3.89	3.91	3.95	3.99
55.0	3.58	3.65	3.72	3.80	3.87	3.94	4.01	4.04	4.07	4.11	4.13	4.19	4.24
60.0		3.81	3.90	3.98	4.07	4.15	4.24	4.27	4.32	4.35	4.39	4.46	4.52
65.0			4.10	4.20	4.30	4.40	4.50	4.53	4.59	4.64	4.68	4.77	4.85
70.0				4.45	4.56	4.68	4.79	4.84	4.90	4.96	5.01	5.11	
75.0				4.73	4.87	5.00	5.13	5.18	5.26	5.32	5.38		

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
20.0	13.25	16.80	21.00	26.00	31.90	38.70							
25.0	13.00	16.55	20.80	25.80	31.70	38.50	46.30						
30.0	12.75	16.30	20.60	25.60	31.40	38.20	46.00	49.40	54.90				
35.0	12.50	16.10	20.30	25.30	31.20	38.00	45.80	49.20	54.70	59.50	64.70		
40.0	12.25	15.85	20.10	25.10	30.90	37.70	45.50	48.90	54.40	59.30	64.50	75.80	
45.0	12.00	15.60	19.80	24.80	30.60	37.40	45.20	48.60	54.10	59.00	64.20	75.60	88.30
50.0	11.75	15.35	19.55	24.50	30.30	37.10	44.90	48.30	53.80	58.70	63.90	75.30	88.10
55.0	11.50	15.10	19.30	24.20	30.00	36.80	44.60	48.00	53.50	58.40	63.60	75.10	88.00
60.0		14.85	19.05	23.90	29.70	36.40	44.20	47.70	53.20	58.10	63.40	74.90	87.90
65.0			18.80	23.70	29.40	36.10	43.90	47.30	52.90	57.80	63.10	74.70	87.80
70.0				23.40	29.10	35.80	43.60	47.00	52.60	57.60	62.90	74.70	
75.0				23.20	28.80	35.50	43.30	46.80	52.40	57.40	62.80		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	10.0
Length/Width, mm	243/242
Height, mm	400
Net Weight, kg	28
Gross Weight, kg	31
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.45
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	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	64
Sound Power (HT), dBA	75
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	3.10
High Side PS gauge, bar	32
Low Side PS gauge, bar	22.6
Low Side TS Max., °C	50
Refrigerant's GWP	1430
Refrigerant's classification	A1

50 Hz

ZH26K4E-TFD

R134a

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

Maximum Operating Current, A	6.8
Locked Rotor Current, A	46
Winding Resistance, ohm	4.03
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets	Standard
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ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Discharge Temperature Protection	Discharge line thermostat

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFR	220-240 V / 3~ / 50 Hz	230		Y	1.73
TFD	460 V / 3~ / 60 Hz	460		Y	1.04