



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	1.23	1.58	1.99	2.48	3.07	3.76							
25.0	1.16	1.50	1.91	2.40	2.97	3.65	4.45						
30.0	1.08	1.42	1.82	2.30	2.86	3.52	4.30	4.64	5.19				
35.0	0.98	1.32	1.72	2.18	2.73	3.38	4.13	4.47	5.00	5.49	6.01		
40.0	0.88	1.21	1.60	2.05	2.59	3.22	3.95	4.27	4.80	5.27	5.77	6.89	
45.0	0.76	1.08	1.46	1.91	2.43	3.04	3.75	4.06	4.57	5.03	5.52	6.60	7.83
50.0	0.63	0.95	1.32	1.76	2.26	2.85	3.54	3.84	4.33	4.77	5.25	6.29	7.49
55.0	0.50	0.81	1.17	1.59	2.08	2.64	3.31	3.60	4.07	4.50	4.96	5.97	7.13
60.0		0.66	1.01	1.41	1.88	2.42	3.06	3.34	3.80	4.21	4.65	5.63	6.74
65.0			0.83	1.22	1.67	2.19	2.80	3.07	3.51	3.90	4.32	5.26	6.34
70.0				1.02	1.44	1.94	2.53	2.78	3.20	3.58	3.98	4.88	
75.0				0.81	1.22	1.68	2.24	2.48	2.88	3.24	3.63		

50 Hz

ZH15K4E-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	0.55	0.57	0.59	0.60	0.62	0.62							
25.0	0.59	0.62	0.64	0.66	0.67	0.69	0.69						
30.0	0.64	0.67	0.69	0.72	0.74	0.75	0.76	0.77	0.77				
35.0	0.69	0.72	0.75	0.78	0.80	0.82	0.84	0.84	0.85	0.85	0.85		
40.0	0.74	0.78	0.81	0.84	0.87	0.90	0.92	0.92	0.93	0.94	0.94	0.95	
45.0	0.81	0.85	0.88	0.92	0.95	0.98	1.00	1.01	1.02	1.03	1.03	1.04	1.05
50.0	0.87	0.92	0.96	1.00	1.03	1.06	1.09	1.10	1.12	1.12	1.14	1.15	1.16
55.0	0.95	0.99	1.04	1.08	1.12	1.16	1.19	1.20	1.22	1.23	1.25	1.27	1.28
60.0		1.08	1.13	1.18	1.22	1.26	1.30	1.31	1.33	1.34	1.36	1.38	1.40
65.0			1.23	1.28	1.32	1.37	1.42	1.43	1.46	1.47	1.49	1.52	1.54
70.0				1.39	1.44	1.50	1.54	1.56	1.58	1.60	1.62	1.66	
75.0				1.51	1.57	1.62	1.68	1.70	1.72	1.75	1.77		

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	2.06	2.07	2.09	2.10	2.12	2.13							
25.0	2.10	2.12	2.14	2.15	2.16	2.17	2.18						
30.0	2.14	2.16	2.18	2.20	2.21	2.22	2.23	2.23	2.24				
35.0	2.18	2.20	2.22	2.24	2.26	2.27	2.29	2.29	2.29	2.30	2.30		
40.0	2.22	2.25	2.27	2.29	2.31	2.33	2.34	2.35	2.36	2.36	2.36	2.37	
45.0	2.26	2.29	2.32	2.35	2.37	2.39	2.41	2.42	2.43	2.44	2.44	2.45	2.45
50.0	2.31	2.34	2.38	2.41	2.44	2.47	2.49	2.50	2.51	2.52	2.53	2.54	2.55
55.0	2.37	2.41	2.44	2.48	2.52	2.55	2.58	2.59	2.61	2.62	2.63	2.65	2.67
60.0		2.48	2.52	2.57	2.61	2.65	2.69	2.70	2.72	2.74	2.75	2.78	2.80
65.0			2.62	2.67	2.72	2.77	2.81	2.83	2.85	2.87	2.89	2.93	2.96
70.0				2.78	2.84	2.90	2.96	2.98	3.01	3.03	3.05	3.10	
75.0				2.92	2.99	3.06	3.12	3.15	3.18	3.21	3.24		

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	7.54	9.45	11.70	14.35	17.40	20.90								
25.0	7.43	9.42	11.75	14.45	17.55	21.20	25.30							
30.0	7.23	9.31	11.70	14.45	17.65	21.30	25.50	27.30	30.30					
35.0	6.94	9.10	11.55	14.40	17.65	21.40	25.70	27.50	30.50	33.10	35.90			
40.0	6.53	8.80	11.35	14.25	17.60	21.40	25.70	27.60	30.60	33.30	36.10	42.30		
45.0	6.00	8.37	11.00	14.00	17.40	21.30	25.70	27.60	30.70	33.40	36.30	42.50	49.50	
50.0	5.32	7.82	10.55	13.65	17.15	21.10	25.60	27.50	30.60	33.40	36.30	42.70	49.80	
55.0	4.47	7.10	9.97	13.15	16.75	20.80	25.40	27.30	30.50	33.30	36.30	42.80	50.00	
60.0		6.20	9.21	12.50	16.20	20.30	25.00	27.00	30.30	33.10	36.20	42.80	50.10	
65.0			8.23	11.70	15.50	19.75	24.60	26.60	29.90	32.90	36.00	42.70	50.20	
70.0				10.60	14.60	19.00	23.90	26.10	29.50	32.50	35.70	42.60		
75.0				9.28	13.45	18.05	23.20	25.40	28.90	32.00	35.30			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	5.76
Length/Width, mm	243/243
Height, mm	364
Net Weight, kg	23
Gross Weight, kg	26
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.3
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	60
Sound Power (HT), dBA	71
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	3.40
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

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

Maximum Operating Current, A	4.1
Locked Rotor Current, A	26
Winding Resistance, ohm	7.1
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
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04