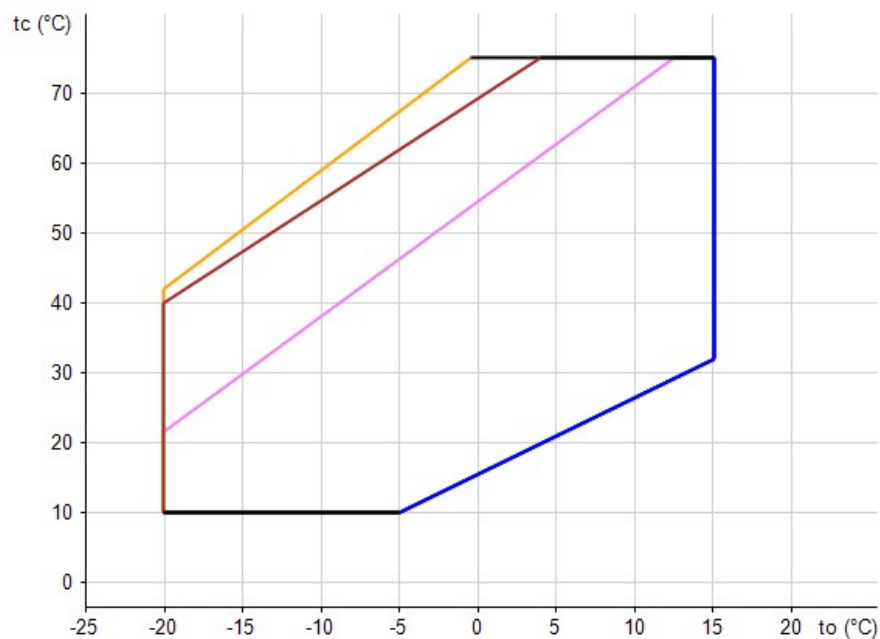




Minimum Evaporating Temp. With:

25 °C Suction Gas Return 10 K Suction Superheat

25 °C Suction Gas Return with Voltage limit ± 0 %

Maximum Evaporating Temperature

50 Hz	ZB15KCE-TFD	R134a
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Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	1.83	2.29	2.86	3.53						
15.0	1.76	2.21	2.75	3.41						
20.0	1.68	2.12	2.65	3.28	4.03					
25.0	1.60	2.02	2.54	3.15	3.87	4.70	5.07			
30.0	1.52	1.93	2.42	3.01	3.70	4.50	4.86	5.43	5.94	
35.0	1.44	1.83	2.31	2.87	3.53	4.30	4.64	5.18	5.67	
40.0	1.36	1.74	2.19	2.72	3.35	4.08	4.41	4.93	5.39	
45.0		1.64	2.06	2.57	3.17	3.86	4.17	4.66	5.11	
50.0			1.94	2.42	2.98	3.64	3.93	4.39	4.81	
55.0				2.26	2.79	3.40	3.67	4.11	4.50	
60.0				2.09	2.59	3.16	3.42	3.82	4.19	
65.0					2.38	2.92	3.15	3.53	3.87	
70.0						2.66	2.88	3.23	3.54	
75.0						2.41	2.60	2.92	3.20	

Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	0.48	0.47	0.47	0.48						
15.0	0.54	0.54	0.54	0.54						
20.0	0.61	0.60	0.61	0.61	0.62					
25.0	0.68	0.68	0.68	0.68	0.69	0.70	0.70			
30.0	0.75	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.80	
35.0	0.84	0.84	0.84	0.85	0.86	0.86	0.87	0.87	0.88	
40.0	0.92	0.93	0.94	0.94	0.95	0.96	0.96	0.97	0.97	
45.0		1.03	1.04	1.05	1.06	1.06	1.07	1.08	1.08	
50.0			1.16	1.17	1.18	1.18	1.19	1.20	1.20	
55.0				1.30	1.31	1.32	1.32	1.32	1.33	
60.0				1.44	1.46	1.46	1.47	1.48	1.48	
65.0					1.62	1.63	1.64	1.64	1.64	
70.0						1.82	1.82	1.82	1.83	
75.0						2.01	2.02	2.03	2.03	

50 Hz

ZB15KCE-TFD

R134a

Cond °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	1.98	1.96	1.95	1.95						
15.0	2.03	2.01	2.00	2.00						
20.0	2.09	2.07	2.06	2.06	2.07					
25.0	2.15	2.14	2.13	2.13	2.14	2.15	2.16			
30.0	2.22	2.22	2.21	2.21	2.22	2.23	2.23	2.25	2.26	
35.0	2.31	2.31	2.31	2.31	2.31	2.32	2.33	2.34	2.35	
40.0	2.40	2.41	2.42	2.42	2.43	2.44	2.44	2.45	2.46	
45.0		2.53	2.55	2.56	2.56	2.57	2.58	2.58	2.59	
50.0			2.70	2.71	2.72	2.73	2.74	2.74	2.75	
55.0				2.89	2.91	2.92	2.92	2.93	2.93	
60.0				3.10	3.12	3.13	3.14	3.15	3.15	
65.0					3.36	3.38	3.39	3.39	3.40	
70.0						3.66	3.66	3.67	3.68	
75.0						3.97	3.98	3.99	4.00	

Cond °C	Suction Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	8.94	11.25	14.05	17.45						
15.0	8.88	11.20	14.05	17.45						
20.0	8.80	11.15	14.00	17.45	21.50					
25.0	8.72	11.05	13.95	17.40	21.50	26.30	28.50			
30.0	8.63	11.00	13.85	17.35	21.40	26.30	28.40	31.90	35.10	
35.0	8.53	10.90	13.80	17.25	21.30	26.20	28.40	31.90	35.10	
40.0	8.43	10.80	13.65	17.10	21.20	26.10	28.20	31.80	35.00	
45.0		10.65	13.55	17.00	21.10	25.90	28.10	31.60	34.80	
50.0			13.40	16.80	20.90	25.70	27.90	31.40	34.60	
55.0				16.60	20.70	25.50	27.70	31.20	34.40	
60.0				16.40	20.40	25.20	27.40	30.90	34.10	
65.0					20.10	24.90	27.00	30.50	33.70	
70.0						24.50	26.70	30.20	33.40	
75.0						24.20	26.30	29.80	33.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	5.92
Length/Width, mm	241/241
Height, mm	382
Net Weight, kg	25.3
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	0.74
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 (MT), dBA	55
Sound Power (MT), dBA	66
Sound Power with Sound Shell (MT), dBA	59
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
PED Category	1
Max. Internal Free Volume, l	2.50
High Side PS gauge, bar	32
Low Side PS gauge, bar	21
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	4.9
Locked Rotor Current, A	26
Winding Resistance, ohm	7.1
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)
Rotalock valves	suction and discharge

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
TF5	200-220 V / 3~ / 50 Hz	200		Y	2.09
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TF5	200-230 V / 3~ / 60 Hz	230		Y	2.09