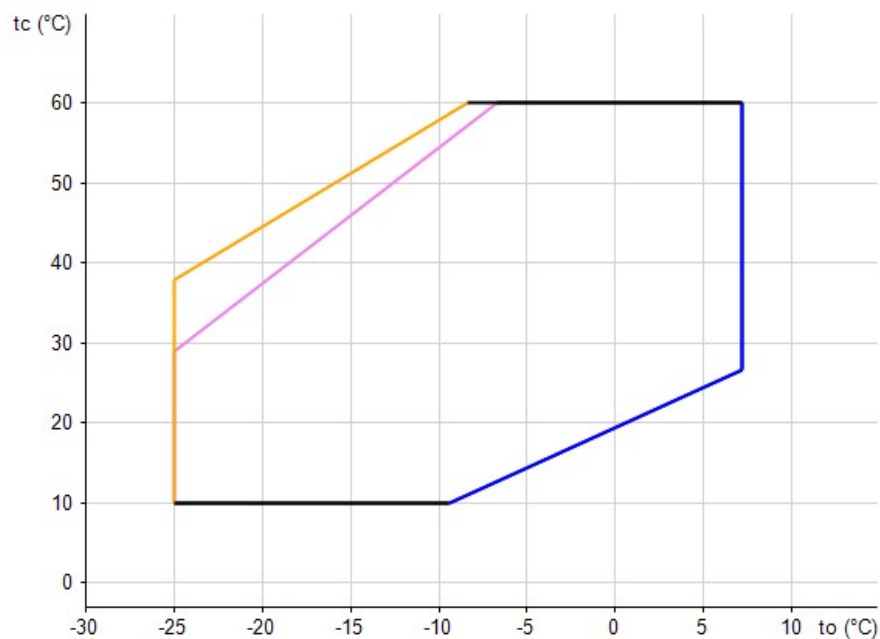




Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return — 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	15.75	19.55	24.20	29.60				
15.0	14.85	18.60	23.20	28.60	35.00			
20.0	13.80	17.55	22.00	27.40	33.60	41.00		
25.0	12.70	16.45	20.80	26.10	32.20	39.40	47.60	
30.0	11.50	15.20	19.50	24.60	30.60	37.60	45.70	49.30
35.0	10.25	13.85	18.10	23.10	29.00	35.80	43.70	47.20
40.0		12.45	16.60	21.50	27.20	33.80	41.50	45.00
45.0			15.05	19.75	25.30	31.80	39.30	42.60
50.0			13.40	17.95	23.30	29.60	36.90	40.10
55.0				16.10	21.30	27.30	34.40	37.60
60.0					19.20	25.00	31.90	34.90

50 Hz

ZB95K5E-TFD

R407C Dew Point

Cond °C	Power, kW							
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	3.71	3.73	3.77	3.82				
15.0	4.27	4.31	4.36	4.42	4.51			
20.0	4.83	4.89	4.95	5.02	5.11	5.21		
25.0	5.44	5.51	5.58	5.65	5.73	5.83	5.96	
30.0	6.10	6.18	6.26	6.33	6.40	6.49	6.60	6.66
35.0	6.85	6.94	7.01	7.08	7.15	7.23	7.32	7.36
40.0		7.80	7.88	7.94	8.00	8.06	8.13	8.17
45.0			8.87	8.92	8.97	9.01	9.06	9.08
50.0			10.00	10.05	10.10	10.10	10.15	10.15
55.0				11.35	11.40	11.40	11.35	11.35
60.0					12.85	12.85	12.80	12.80

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	11.24	11.19	11.21	11.30				
15.0	12.10	12.06	12.07	12.14	12.28			
20.0	12.87	12.86	12.87	12.93	13.03	13.20		
25.0	13.60	13.62	13.65	13.70	13.78	13.90	14.08	
30.0	14.33	14.39	14.44	14.50	14.57	14.66	14.78	14.85
35.0	15.10	15.21	15.30	15.37	15.44	15.51	15.59	15.63
40.0		16.13	16.27	16.36	16.44	16.49	16.55	16.57
45.0			17.38	17.51	17.60	17.66	17.69	17.71
50.0			18.68	18.86	18.98	19.05	19.07	19.07
55.0				20.46	20.61	20.70	20.73	20.72
60.0					22.54	22.66	22.70	22.69

50 Hz

ZB95K5E-TFD

R407C Dew Point

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	74.70	91.40	111.50	135.00				
15.0	72.80	90.10	110.50	134.50	162.50			
20.0	70.40	88.10	109.00	133.50	162.00	194.50		
25.0	67.30	85.60	107.00	132.00	160.50	193.50	231.00	
30.0	63.50	82.40	104.00	129.50	158.50	192.50	231.00	247.00
35.0	59.00	78.50	101.00	126.50	156.50	190.50	229.00	246.00
40.0		73.80	96.70	123.00	153.00	188.00	227.00	245.00
45.0			91.90	118.50	149.50	184.50	225.00	242.00
50.0			86.20	113.50	145.00	181.00	222.00	240.00
55.0				107.50	139.50	176.00	218.00	236.00
60.0					133.50	171.00	214.00	233.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	36.4
Length/Width, mm	280/280
Height, mm	552
Net Weight, kg	64.9
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	3.37
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 (0)
Sound Pressure @ 1m (MT), dBA	70
Sound Power (MT), dBA	81
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
PED Category	2
Max. Internal Free Volume, l	14.0
High Side PS gauge, bar	32
Low Side PS gauge, bar	22.6
Refrigerant's GWP	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	28.2
Locked Rotor Current, A	140
Winding Resistance, ohm	1.09
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	90 W External
Enclosure Class	IP66 With Molded Plug
Mounting Grommets	Hard Mounts for Paralleling
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)
Rotalock valves	suction and discharge

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04