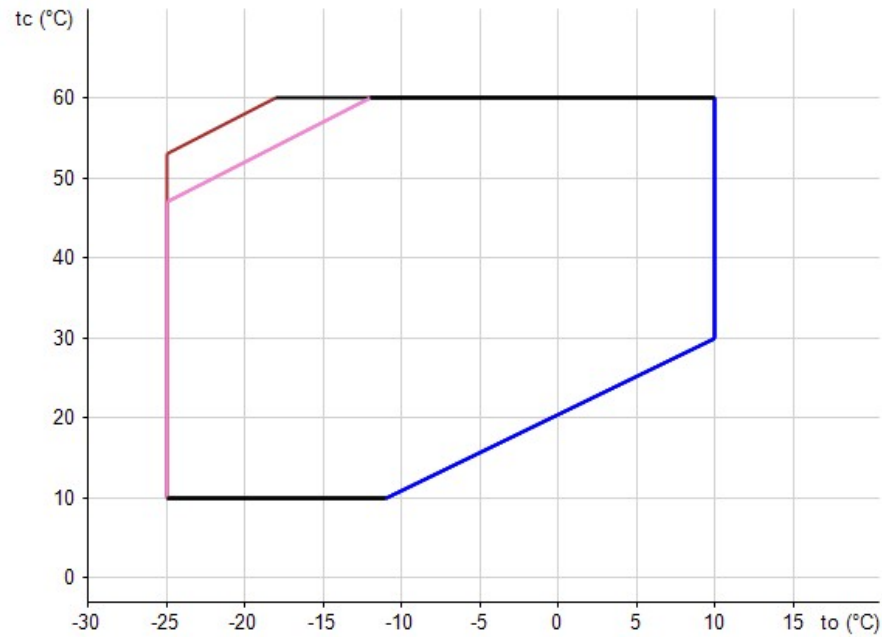




Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 10 K Suction Superheat
- Maximum Evaporating Temperature
- 25 °C Suction Gas Return

Suction Return Temperature 18.3°C

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
10.0	4.21	5.21	6.38						
15.0	4.05	5.00	6.13	7.44					
20.0	3.86	4.77	5.85	7.09	8.53				
25.0	3.66	4.53	5.54	6.73	8.09	9.64			
30.0	3.45	4.27	5.22	6.33	7.61	9.07	10.75	11.45	12.60
35.0	3.22	3.99	4.88	5.92	7.11	8.47	10.00	10.70	11.75
40.0	2.98	3.69	4.52	5.48	6.58	7.85	9.29	9.92	10.90
45.0	2.73	3.38	4.14	5.02	6.04	7.20	8.53	9.10	10.05
50.0		3.05	3.74	4.54	5.46	6.52	7.73	8.26	9.11
55.0			3.33	4.04	4.87	5.82	6.91	7.39	8.16
60.0				3.53	4.26	5.10	6.07	6.49	7.18

50 Hz

ZB21KCE-TFD

R404A Dew Point

Cond °C	Power, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	1.10	1.11	1.11						
15.0	1.25	1.25	1.25	1.25					
20.0	1.40	1.40	1.40	1.40	1.40				
25.0	1.57	1.58	1.58	1.57	1.56	1.56			
30.0	1.77	1.77	1.77	1.76	1.76	1.76	1.74	1.74	1.74
35.0	1.99	1.99	1.99	1.98	1.98	1.96	1.96	1.96	1.95
40.0	2.24	2.24	2.24	2.23	2.22	2.21	2.19	2.19	2.18
45.0	2.52	2.52	2.52	2.51	2.50	2.48	2.46	2.46	2.44
50.0		2.83	2.83	2.82	2.81	2.79	2.77	2.76	2.74
55.0			3.18	3.17	3.16	3.13	3.11	3.10	3.08
60.0				3.56	3.54	3.52	3.49	3.47	3.45

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
10.0	3.40	3.39	3.39						
15.0	3.52	3.52	3.52	3.52					
20.0	3.67	3.67	3.68	3.68	3.68				
25.0	3.85	3.85	3.86	3.86	3.85	3.85			
30.0	4.06	4.07	4.07	4.07	4.07	4.06	4.05	4.05	4.04
35.0	4.31	4.32	4.33	4.33	4.32	4.31	4.30	4.29	4.28
40.0	4.62	4.63	4.64	4.63	4.63	4.61	4.59	4.58	4.57
45.0	4.98	4.99	5.00	5.00	4.98	4.97	4.94	4.93	4.91
50.0		5.42	5.43	5.42	5.41	5.38	5.35	5.34	5.32
55.0			5.92	5.92	5.90	5.87	5.84	5.82	5.79
60.0				6.49	6.47	6.44	6.39	6.37	6.34

50 Hz

ZB21KCE-TFD

R404A 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
10.0	23.90	29.70	36.60						
15.0	23.90	29.70	36.70	44.90					
20.0	23.90	29.70	36.60	44.80	54.40				
25.0	23.80	29.60	36.40	44.60	54.10	65.20			
30.0	23.60	29.30	36.20	44.20	53.70	64.80	77.70	83.50	92.90
35.0	23.30	29.00	35.80	43.70	53.10	64.20	77.10	82.80	92.20
40.0	22.90	28.50	35.20	43.10	52.40	63.40	76.20	82.00	91.40
45.0	22.40	28.00	34.60	42.40	51.60	62.40	75.20	81.00	90.40
50.0		27.30	33.80	41.40	50.50	61.30	74.00	79.80	89.30
55.0			32.80	40.40	49.30	60.00	72.80	78.60	88.10
60.0				39.20	48.10	58.70	71.60	77.40	87.10

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	8.61
Length/Width, mm	243/244
Height, mm	391
Net Weight, kg	27.3
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.24
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	58
Sound Power (MT), dBA	69
Sound Power with Sound Shell (MT), dBA	62
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	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	7.2
Locked Rotor Current, A	40
Winding Resistance, ohm	4.83
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