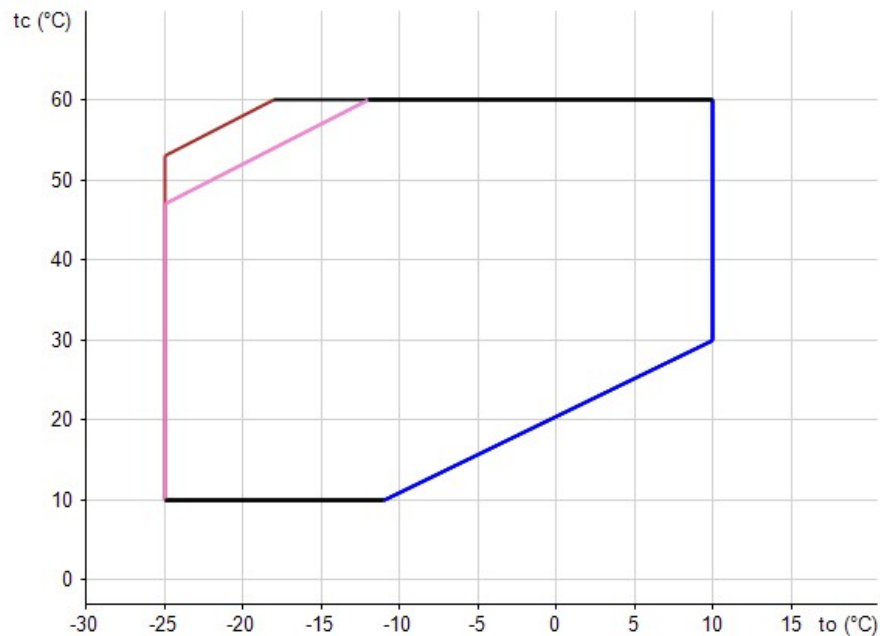




Minimum Evaporating Temp. With:

- 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	2.96	3.64	4.45						
15.0	2.82	3.48	4.26	5.17					
20.0	2.67	3.30	4.05	4.92	5.91				
25.0	2.49	3.10	3.82	4.64	5.58	6.66			
30.0	2.30	2.88	3.56	4.34	5.23	6.24	7.39	7.89	8.69
35.0	2.09	2.64	3.28	4.01	4.84	5.79	6.87	7.34	8.08
40.0	1.86	2.39	2.99	3.67	4.44	5.32	6.31	6.75	7.44
45.0	1.62	2.12	2.67	3.30	4.01	4.82	5.74	6.14	6.77
50.0		1.83	2.34	2.92	3.57	4.30	5.13	5.50	6.08
55.0			2.00	2.52	3.10	3.76	4.51	4.84	5.36
60.0				2.10	2.62	3.20	3.86	4.15	4.61

50 Hz

ZB15KCE-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	0.80	0.78	0.75						
15.0	0.89	0.89	0.86	0.82					
20.0	1.00	1.00	0.98	0.95	0.92				
25.0	1.12	1.12	1.10	1.08	1.05	1.02			
30.0	1.28	1.27	1.25	1.23	1.20	1.17	1.16	1.16	1.16
35.0	1.46	1.45	1.42	1.39	1.36	1.33	1.32	1.32	1.32
40.0	1.70	1.67	1.63	1.58	1.54	1.51	1.49	1.48	1.49
45.0	1.98	1.94	1.88	1.82	1.76	1.72	1.69	1.68	1.68
50.0		2.26	2.18	2.10	2.03	1.96	1.92	1.91	1.90
55.0			2.54	2.44	2.34	2.26	2.20	2.18	2.16
60.0				2.84	2.71	2.61	2.52	2.49	2.46

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	2.19	2.17	2.14						
15.0	2.26	2.26	2.23	2.19					
20.0	2.34	2.35	2.33	2.30	2.27				
25.0	2.46	2.46	2.45	2.42	2.39	2.37			
30.0	2.61	2.61	2.59	2.56	2.53	2.51	2.51	2.52	2.54
35.0	2.82	2.81	2.78	2.74	2.70	2.68	2.67	2.67	2.69
40.0	3.09	3.06	3.02	2.96	2.91	2.88	2.86	2.86	2.87
45.0	3.44	3.39	3.32	3.25	3.18	3.12	3.09	3.09	3.09
50.0		3.80	3.70	3.61	3.51	3.43	3.38	3.37	3.36
55.0			4.18	4.05	3.93	3.82	3.73	3.71	3.68
60.0				4.59	4.43	4.29	4.17	4.13	4.09

50 Hz

ZB15KCE-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	16.75	20.70	25.50						
15.0	16.70	20.70	25.50	31.20					
20.0	16.50	20.60	25.40	31.00	37.70				
25.0	16.15	20.30	25.10	30.70	37.40	45.10			
30.0	15.70	19.80	24.60	30.30	36.90	44.60	53.60	57.60	64.10
35.0	15.05	19.25	24.10	29.70	36.20	43.90	52.80	56.80	63.30
40.0	14.30	18.45	23.30	28.90	35.40	42.90	51.80	55.80	62.30
45.0	13.30	17.50	22.30	27.80	34.30	41.80	50.60	54.60	61.00
50.0		16.35	21.10	26.60	33.00	40.40	49.20	53.10	59.60
55.0			19.65	25.10	31.40	38.80	47.50	51.40	57.90
60.0				23.30	29.60	36.90	45.60	49.50	56.00

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	3922
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