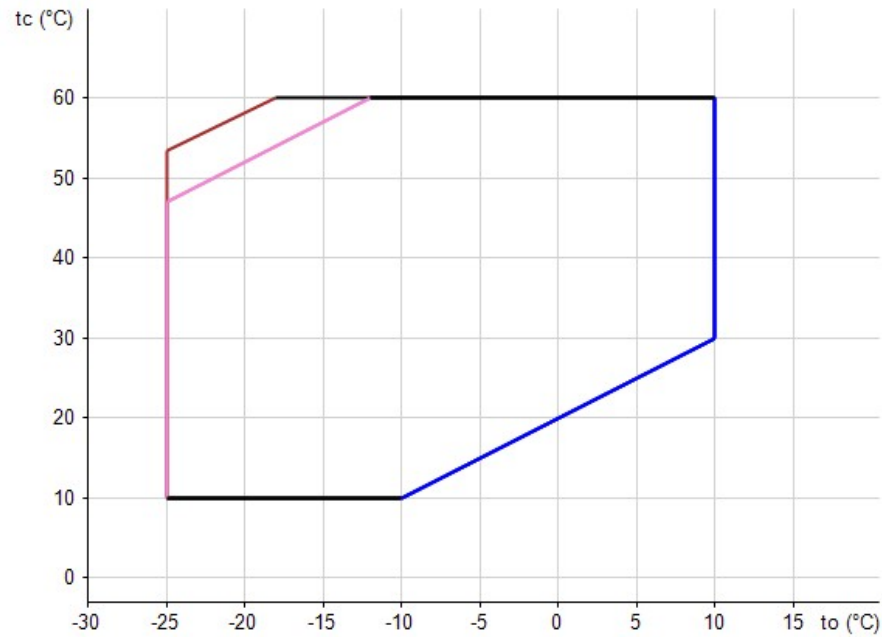




Minimum Evaporating Temp. With:

- 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	5.93	7.32	8.94	10.80					
15.0	5.66	6.98	8.53	10.30	12.35				
20.0	5.37	6.63	8.09	9.79	11.75	13.95			
25.0	5.07	6.25	7.64	9.24	11.10	13.20	15.55		
30.0	4.74	5.86	7.16	8.67	10.40	12.40	14.65	15.60	17.15
35.0	4.40	5.45	6.67	8.08	9.71	11.55	13.70	14.60	16.05
40.0	4.05	5.02	6.15	7.46	8.98	10.70	12.70	13.55	14.95
45.0	3.68	4.57	5.61	6.83	8.23	9.85	11.70	12.50	13.80
50.0		4.10	5.05	6.17	7.46	8.95	10.65	11.40	12.60
55.0			4.48	5.49	6.67	8.03	9.60	10.30	11.40
60.0				4.79	5.85	7.08	8.51	9.14	10.15

50 Hz

ZB30KCE-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	1.51	1.50	1.50	1.50					
15.0	1.69	1.69	1.68	1.68	1.67				
20.0	1.90	1.89	1.88	1.88	1.86	1.86			
25.0	2.13	2.12	2.11	2.10	2.09	2.08	2.08		
30.0	2.39	2.38	2.37	2.36	2.34	2.33	2.32	2.31	2.31
35.0	2.68	2.68	2.66	2.65	2.63	2.61	2.59	2.59	2.58
40.0	3.02	3.01	3.00	2.98	2.95	2.93	2.91	2.90	2.89
45.0	3.39	3.39	3.37	3.35	3.32	3.30	3.27	3.26	3.25
50.0		3.81	3.79	3.77	3.74	3.71	3.68	3.67	3.65
55.0			4.26	4.24	4.21	4.17	4.14	4.12	4.10
60.0				4.76	4.73	4.69	4.65	4.63	4.61

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	5.08	5.07	5.07	5.07					
15.0	5.27	5.27	5.27	5.27	5.27				
20.0	5.49	5.49	5.49	5.49	5.49	5.49			
25.0	5.75	5.76	5.76	5.76	5.76	5.76	5.75		
30.0	6.06	6.08	6.08	6.08	6.08	6.07	6.06	6.05	6.05
35.0	6.44	6.46	6.47	6.47	6.46	6.44	6.42	6.42	6.40
40.0	6.90	6.92	6.93	6.92	6.91	6.89	6.86	6.85	6.83
45.0	7.44	7.46	7.47	7.46	7.45	7.42	7.38	7.37	7.34
50.0		8.10	8.11	8.10	8.08	8.04	8.00	7.98	7.94
55.0			8.85	8.84	8.81	8.77	8.72	8.69	8.65
60.0				9.70	9.67	9.62	9.55	9.52	9.47

50 Hz

ZB30KCE-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	33.70	41.70	51.30	62.50					
15.0	33.50	41.50	51.00	62.20	75.20				
20.0	33.20	41.20	50.70	61.80	74.70	89.80			
25.0	32.90	40.80	50.20	61.20	74.20	89.20	107.00		
30.0	32.40	40.30	49.60	60.60	73.40	88.50	106.00	114.00	126.50
35.0	31.80	39.60	48.80	59.70	72.60	87.60	105.00	113.00	126.00
40.0	31.10	38.80	47.90	58.80	71.50	86.60	104.00	112.00	125.00
45.0	30.20	37.80	46.80	57.60	70.30	85.40	103.00	111.00	124.50
50.0		36.60	45.60	56.30	69.00	84.10	102.00	110.00	123.50
55.0			44.20	54.80	67.50	82.80	101.00	109.50	123.00
60.0				53.20	66.10	81.60	100.50	109.00	123.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	11.7
Length/Width, mm	242/242
Height, mm	438
Net Weight, kg	35.4
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.9
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	59
Sound Power (MT), dBA	70
Sound Power with Sound Shell (MT), dBA	65
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	4.30
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	10.3
Locked Rotor Current, A	49.3
Winding Resistance, ohm	3.7
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