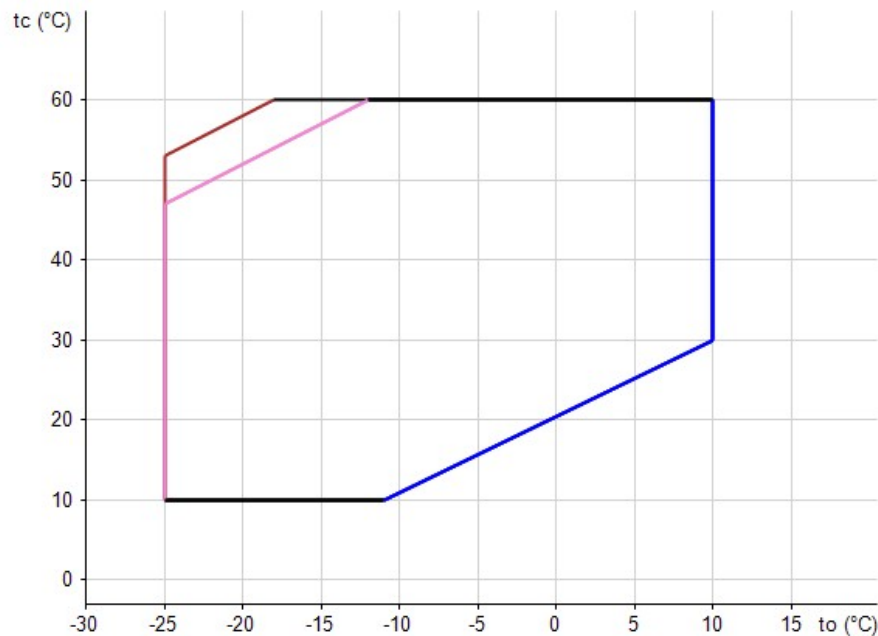




Minimum Evaporating Temp. With:

20 °C Suction Gas Return ASERCOM certified

25 °C Suction Gas Return

10 K Suction Superheat

Maximum Evaporating Temperature

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	3.41	4.14	5.01						
15.0	3.23	3.93	4.78	5.77					
20.0	3.05	3.73	4.53	5.48	6.59				
25.0	2.86	3.51	4.28	5.18	6.23	7.44			
30.0	2.68	3.30	4.02	4.88	5.86	7.00	8.31	8.88	9.79
35.0	2.49	3.07	3.76	4.55	5.48	6.55	7.77	8.30	9.16
40.0	2.30	2.84	3.48	4.22	5.08	6.07	7.21	7.71	8.51
45.0	2.10	2.61	3.19	3.88	4.67	5.58	6.63	7.09	7.83
50.0		2.36	2.90	3.52	4.24	5.07	6.03	6.46	7.13
55.0			2.59	3.15	3.80	4.55	5.41	5.80	6.41
60.0				2.77	3.34	4.00	4.77	5.11	5.66

50 Hz

ZB19KCE-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	0.93	0.93	0.92						
15.0	1.04	1.04	1.04	1.04					
20.0	1.18	1.18	1.18	1.18	1.17				
25.0	1.32	1.32	1.32	1.32	1.32	1.31			
30.0	1.48	1.48	1.48	1.48	1.48	1.47	1.46	1.46	1.46
35.0	1.67	1.67	1.67	1.66	1.66	1.65	1.64	1.64	1.63
40.0	1.88	1.88	1.88	1.86	1.86	1.85	1.84	1.84	1.82
45.0	2.12	2.11	2.11	2.10	2.09	2.07	2.06	2.05	2.04
50.0		2.38	2.37	2.35	2.34	2.32	2.31	2.30	2.29
55.0			2.66	2.64	2.62	2.61	2.58	2.58	2.56
60.0				2.96	2.94	2.92	2.89	2.88	2.87

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	2.86	2.87	2.86						
15.0	2.97	2.98	2.98	2.97					
20.0	3.09	3.10	3.11	3.11	3.09				
25.0	3.23	3.25	3.26	3.26	3.25	3.22			
30.0	3.40	3.42	3.44	3.44	3.44	3.41	3.37	3.34	3.30
35.0	3.61	3.63	3.65	3.65	3.65	3.63	3.59	3.57	3.53
40.0	3.87	3.88	3.90	3.90	3.90	3.89	3.85	3.83	3.79
45.0	4.18	4.19	4.19	4.20	4.20	4.18	4.15	4.13	4.10
50.0		4.55	4.55	4.55	4.54	4.53	4.49	4.48	4.44
55.0			4.97	4.96	4.95	4.93	4.89	4.88	4.84
60.0				5.44	5.42	5.40	5.36	5.34	5.30

50 Hz

ZB19KCE-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	19.30	23.60	28.80						
15.0	19.10	23.40	28.60	34.80					
20.0	18.85	23.20	28.40	34.60	42.00				
25.0	18.60	22.90	28.10	34.40	41.70	50.40			
30.0	18.30	22.70	27.90	34.00	41.40	50.00	60.20	64.80	72.20
35.0	18.00	22.30	27.50	33.70	41.00	49.60	59.70	64.30	71.80
40.0	17.65	22.00	27.10	33.20	40.50	49.00	59.20	63.70	71.20
45.0	17.25	21.60	26.70	32.70	39.90	48.40	58.50	63.10	70.60
50.0		21.10	26.10	32.10	39.20	47.70	57.80	62.40	69.90
55.0			25.60	31.40	38.50	46.90	57.00	61.60	69.20
60.0				30.80	37.70	46.10	56.30	61.00	68.80

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	6.83
Length/Width, mm	242/242
Height, mm	389
Net Weight, kg	25.8
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.12
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	6.5
Locked Rotor Current, A	32
Winding Resistance, ohm	5.8
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