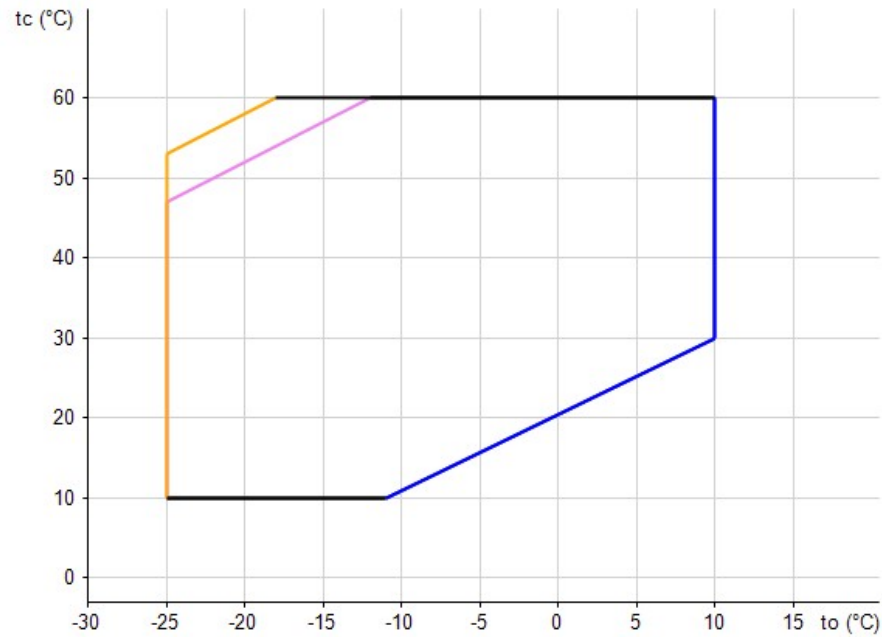


50 Hz

ZB29KCE-TFD

R404A Dew Point



Minimum Evaporating Temp. With:

- 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	5.66	6.95	8.47						
15.0	5.40	6.63	8.07	9.73					
20.0	5.14	6.30	7.66	9.23	11.05				
25.0	4.87	5.97	7.25	8.73	10.45	12.35			
30.0	4.59	5.62	6.83	8.22	9.81	11.60	13.65	14.55	15.95
35.0	4.30	5.27	6.39	7.69	9.17	10.85	12.75	13.60	14.90
40.0	4.00	4.90	5.94	7.14	8.52	10.10	11.85	12.65	13.85
45.0	3.67	4.51	5.47	6.58	7.85	9.30	10.95	11.65	12.80
50.0		4.09	4.98	5.99	7.16	8.49	10.00	10.65	11.70
55.0			4.45	5.38	6.44	7.65	9.03	9.63	10.60
60.0				4.73	5.68	6.77	8.02	8.56	9.43

50 Hz

ZB29KCE-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	1.35	1.37	1.38						
15.0	1.54	1.56	1.57	1.58					
20.0	1.74	1.76	1.78	1.79	1.80				
25.0	1.98	2.00	2.02	2.03	2.03	2.03			
30.0	2.25	2.27	2.28	2.29	2.30	2.30	2.28	2.27	2.26
35.0	2.54	2.56	2.58	2.59	2.60	2.59	2.58	2.57	2.56
40.0	2.88	2.89	2.91	2.92	2.93	2.92	2.91	2.90	2.89
45.0	3.25	3.27	3.28	3.29	3.30	3.29	3.28	3.27	3.26
50.0		3.68	3.69	3.70	3.71	3.70	3.69	3.68	3.67
55.0			4.15	4.16	4.16	4.16	4.14	4.14	4.12
60.0				4.66	4.66	4.66	4.64	4.63	4.62

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	3.83	3.86	3.89						
15.0	3.99	4.02	4.05	4.07					
20.0	4.18	4.21	4.24	4.26	4.28				
25.0	4.41	4.44	4.47	4.49	4.51	4.51			
30.0	4.70	4.72	4.75	4.77	4.78	4.79	4.78	4.77	4.75
35.0	5.03	5.06	5.08	5.10	5.11	5.12	5.11	5.10	5.08
40.0	5.43	5.45	5.47	5.49	5.50	5.50	5.49	5.48	5.46
45.0	5.88	5.91	5.93	5.95	5.96	5.96	5.94	5.93	5.91
50.0		6.43	6.45	6.47	6.48	6.48	6.46	6.45	6.43
55.0			7.05	7.07	7.08	7.07	7.06	7.05	7.03
60.0				7.75	7.75	7.75	7.73	7.72	7.70

50 Hz

ZB29KCE-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	32.10	39.60	48.60						
15.0	31.90	39.40	48.30	58.70					
20.0	31.80	39.20	48.00	58.30	70.30				
25.0	31.60	39.00	47.60	57.80	69.80	83.60			
30.0	31.40	38.70	47.30	57.40	69.20	83.00	99.00	106.00	117.50
35.0	31.10	38.30	46.80	56.90	68.60	82.30	98.20	105.50	117.00
40.0	30.70	37.90	46.30	56.20	67.90	81.50	97.40	104.50	116.00
45.0	30.20	37.30	45.70	55.50	67.10	80.60	96.60	104.00	115.50
50.0		36.50	44.90	54.70	66.20	79.70	95.80	103.00	115.00
55.0			43.90	53.70	65.20	78.80	95.00	102.50	114.50
60.0				52.60	64.20	78.10	94.60	102.00	114.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	11.4
Length/Width, mm	246/246
Height, mm	423
Net Weight, kg	28.5
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.45
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 (19)
Sound Pressure @ 1m (MT), dBA	60
Sound Power (MT), dBA	71
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
PED Category	1
Max. Low Side Internal Free Volume, l	4.6
Max. High Side Internal Free Volume, l	0.5
Max. Internal Free Volume, l	5.10
High Side PS gauge, bar	32
Low Side PS gauge, bar	21
Refrigerant's GWP	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	10
Locked Rotor Current, A	50
Winding Resistance, ohm	3.88
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

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