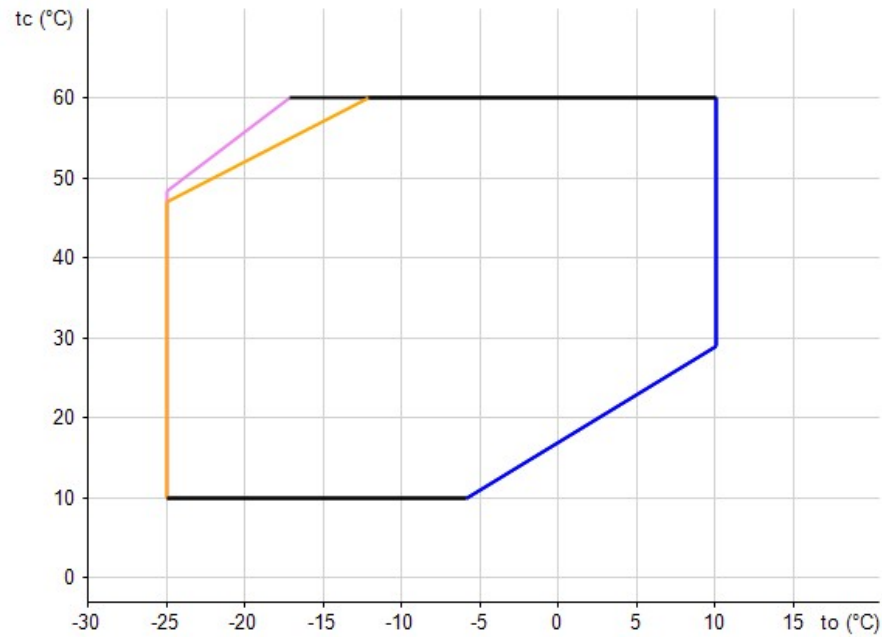


50 Hz

ZB66K5E-TFD

R404A Dew Point



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 20 °C Suction Gas Return
- 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	13.05	16.05	19.65	23.90					
15.0	12.50	15.35	18.75	22.80	27.50				
20.0	11.90	14.60	17.85	21.60	26.00	31.10			
25.0	11.25	13.85	16.90	20.50	24.60	29.40	34.80		
30.0	10.60	13.05	15.90	19.25	23.10	27.50	32.60	34.90	38.50
35.0	9.86	12.20	14.90	18.00	21.60	25.70	30.40	32.50	35.80
40.0	9.08	11.30	13.85	16.70	20.00	23.80	28.20	30.10	33.10
45.0	8.24	10.35	12.70	15.35	18.40	21.90	25.90	27.60	30.40
50.0		9.32	11.50	13.95	16.75	19.90	23.50	25.10	27.70
55.0			10.25	12.45	15.00	17.85	21.10	22.50	24.80
60.0				10.90	13.15	15.70	18.60	19.85	21.90

50 Hz

ZB66K5E-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	3.29	3.35	3.42	3.52					
15.0	3.63	3.69	3.77	3.86	3.98				
20.0	4.01	4.07	4.14	4.24	4.35	4.48			
25.0	4.44	4.50	4.57	4.65	4.75	4.87	5.01		
30.0	4.94	4.99	5.05	5.13	5.22	5.32	5.44	5.49	5.58
35.0	5.50	5.55	5.61	5.67	5.74	5.83	5.93	5.98	6.05
40.0	6.15	6.20	6.24	6.29	6.35	6.42	6.50	6.53	6.59
45.0	6.90	6.94	6.97	7.01	7.05	7.09	7.15	7.17	7.22
50.0		7.78	7.80	7.82	7.85	7.87	7.90	7.91	7.94
55.0			8.75	8.75	8.75	8.76	8.76	8.76	8.77
60.0				9.81	9.79	9.76	9.74	9.73	9.71

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	9.54	9.56	9.59	9.63					
15.0	9.80	9.85	9.90	9.96	10.03				
20.0	10.12	10.18	10.24	10.32	10.40	10.50			
25.0	10.51	10.58	10.65	10.73	10.82	10.93	11.05		
30.0	11.00	11.07	11.14	11.22	11.32	11.42	11.55	11.60	11.69
35.0	11.60	11.67	11.74	11.81	11.90	12.00	12.12	12.18	12.26
40.0	12.34	12.40	12.46	12.53	12.60	12.70	12.80	12.85	12.93
45.0	13.24	13.28	13.33	13.38	13.44	13.52	13.61	13.65	13.72
50.0		14.35	14.37	14.40	14.44	14.49	14.56	14.59	14.65
55.0			15.60	15.60	15.62	15.64	15.68	15.70	15.74
60.0				17.02	16.99	16.98	16.99	17.00	17.01

50 Hz

ZB66K5E-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	74.20	91.60	113.00	138.00					
15.0	73.90	91.30	112.50	137.50	167.00				
20.0	73.50	90.90	111.50	136.50	166.00	200.00			
25.0	73.00	90.40	111.00	135.50	164.50	198.50	239.00		
30.0	72.30	89.70	110.00	134.50	163.00	197.00	237.00	254.00	284.00
35.0	71.20	88.80	109.00	133.00	161.50	194.50	234.00	252.00	281.00
40.0	69.70	87.40	108.00	131.50	159.50	192.50	231.00	249.00	278.00
45.0	67.70	85.70	106.00	129.50	157.50	190.00	228.00	246.00	274.00
50.0		83.20	104.00	127.50	154.50	187.00	225.00	243.00	271.00
55.0			101.00	124.50	151.50	184.00	222.00	239.00	268.00
60.0				121.00	148.50	181.00	219.00	237.00	266.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	25.7
Length/Width, mm	280/280
Height, mm	534
Net Weight, kg	59.9
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	3.37
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 (0)
Sound Pressure @ 1m (MT), dBA	66
Sound Power (MT), dBA	77
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
PED Category	2
Max. Internal Free Volume, l	13.3
High Side PS gauge, bar	32
Low Side PS gauge, bar	22.6
Refrigerant's GWP	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	17.5
Locked Rotor Current, A	111
Winding Resistance, ohm	1.37
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	90 W External
Enclosure Class	IP66 With Molded Plug
Mounting Grommets	Hard Mounts for Paralleling
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
TFD	460 V / 3~ / 60 Hz	460		Y	1.04