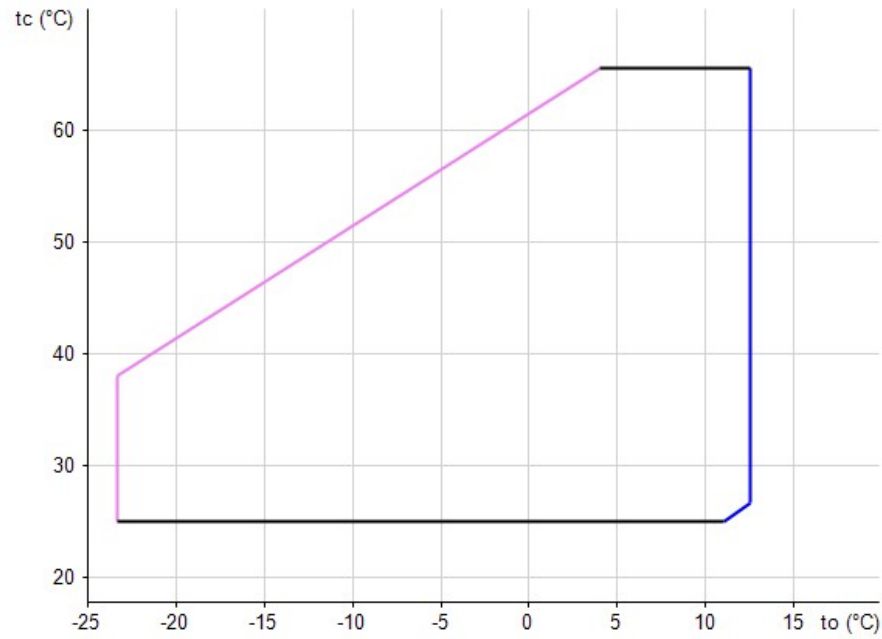


60 Hz

ZP83KCE-TFD

R410A Dew Point



Minimum Evaporating Temp. With:

10 K Suction Superheat

Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
25.0	11.25	13.90	16.90	20.30	24.20	28.60	30.60	33.70	
30.0	10.50	13.05	15.95	19.30	23.10	27.40	29.20	32.20	34.90
35.0	9.71	12.20	15.00	18.15	21.80	26.00	27.80	30.70	33.30
40.0	8.90	11.25	13.95	17.00	20.50	24.50	26.20	29.00	31.50
45.0		10.30	12.85	15.75	19.05	22.90	24.60	27.20	29.60
50.0			11.70	14.45	17.55	21.20	22.80	25.30	27.60
55.0				13.05	16.00	19.40	20.90	23.30	25.50
60.0					14.35	17.45	18.85	21.10	23.10
65.0						15.35	16.60	18.65	20.50

60 Hz

ZP83KCE-TFD

R410A Dew Point

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
25.0	3.64	3.67	3.71	3.76	3.83	3.93	3.97	4.05	
30.0	4.14	4.18	4.21	4.26	4.32	4.40	4.44	4.51	4.58
35.0	4.69	4.73	4.76	4.80	4.85	4.92	4.96	5.02	5.08
40.0	5.32	5.35	5.38	5.41	5.45	5.51	5.53	5.59	5.64
45.0		6.06	6.08	6.10	6.13	6.17	6.19	6.23	6.28
50.0			6.88	6.89	6.90	6.92	6.94	6.97	7.00
55.0				7.79	7.79	7.79	7.80	7.82	7.84
60.0					8.81	8.79	8.79	8.79	8.80
65.0						9.93	9.92	9.91	9.90

Cond °C	Current at 460 V, A								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
25.0	7.77	7.81	7.85	7.89	7.95	8.04	8.08	8.15	
30.0	8.26	8.30	8.34	8.38	8.44	8.52	8.56	8.63	8.70
35.0	8.82	8.86	8.90	8.94	8.99	9.06	9.10	9.16	9.23
40.0	9.49	9.52	9.55	9.58	9.63	9.69	9.72	9.78	9.84
45.0		10.30	10.32	10.34	10.37	10.43	10.45	10.50	10.55
50.0			11.23	11.24	11.25	11.29	11.31	11.35	11.39
55.0				12.28	12.28	12.30	12.31	12.34	12.37
60.0					13.49	13.48	13.48	13.50	13.52
65.0						14.86	14.85	14.84	14.85

Cond °C	Suction Mass Flow, g/s								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
25.0	61.40	74.90	90.00	107.00	126.00	148.00	157.00	172.00	
30.0	60.00	73.70	89.00	106.00	125.50	147.50	157.00	172.50	186.00
35.0	58.40	72.20	87.70	105.00	125.00	147.00	156.50	172.00	186.00
40.0	56.60	70.50	86.10	103.50	123.50	146.00	156.00	171.50	185.50
45.0		68.60	84.20	102.00	122.00	144.50	154.50	170.50	184.50
50.0			82.20	99.80	120.00	143.00	153.00	169.00	183.00
55.0				97.60	117.50	141.00	151.00	167.00	181.50
60.0					115.50	138.50	149.00	165.00	180.00
65.0						136.50	147.00	163.50	178.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 60 Hz, m³/h	16.2
Length/Width, mm	246/246
Height, mm	443
Net Weight, kg	39.5
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.77
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (19)
Sound Pressure @ 1m (HT), dBA	64
Sound Power (HT), dBA	75
Sound Power with Sound Shell (HT), dBA	71
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 60 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Max. Internal Free Volume, l	4.30
High Side PS gauge, bar	45
Low Side PS gauge, bar	29.5
Low Side TS Min., °C	-35
Refrigerant's GWP	2088
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (460 V / 3~ / 60 Hz)

Maximum Operating Current, A	15
Locked Rotor Current, A	100
Winding Resistance, ohm	1.79
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Rubber Grommet For Single

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Enclosure Class	IP 54

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFD	460 V / 3~ / 60 Hz	460		Y	1.00
TFD	380-420 V / 3~ / 50 Hz	400		Y	0.96
TF5	200-220 V / 3~ / 50 Hz	200		Y	2.01
TFE	500 V / 3~ / 50 Hz	500		Y	0.77
TF5	200-230 V / 3~ / 60 Hz	230		Y	2.01
TFE	575 V / 3~ / 60 Hz	575		Y	0.77
TF7	380 V / 3~ / 60 Hz	380		Y	1.21