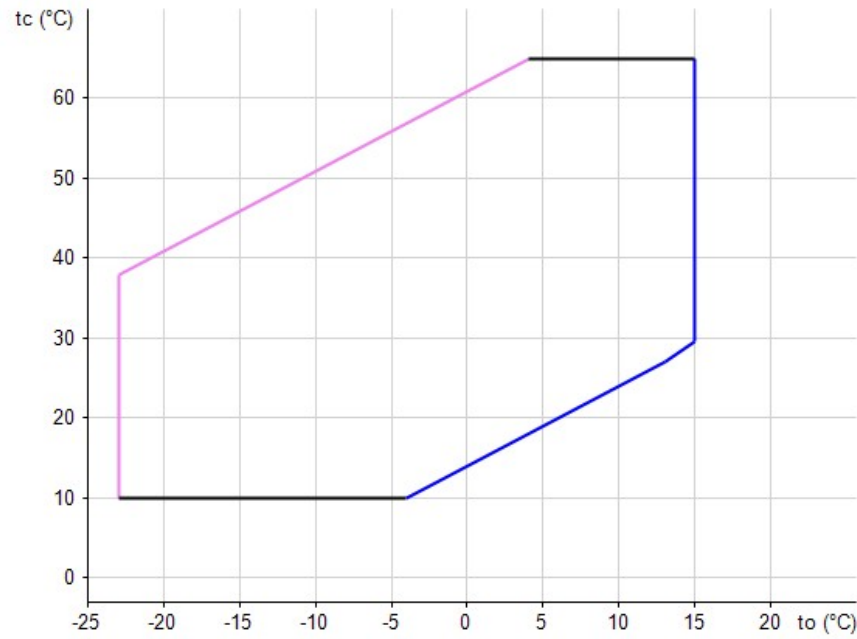


50 Hz

ZP42K5E-TFD

R410A Dew Point



Minimum Evaporating Temp. With:

10 K Suction Superheat

Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

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	15.0
10.0	5.20	6.58	8.21	10.10						
15.0	4.99	6.34	7.92	9.75	11.85					
20.0	4.76	6.07	7.60	9.37	11.40	13.75				
25.0	4.49	5.78	7.26	8.96	10.90	13.15	14.15	15.70		
30.0	4.19	5.45	6.89	8.53	10.40	12.55	13.50	14.95	16.30	17.70
35.0	3.85	5.08	6.48	8.07	9.87	11.90	12.80	14.25	15.50	16.85
40.0	3.47	4.68	6.04	7.57	9.31	11.25	12.10	13.50	14.70	16.00
45.0		4.24	5.57	7.04	8.71	10.60	11.40	12.70	13.85	15.05
50.0			5.05	6.48	8.07	9.86	10.65	11.85	12.95	14.15
55.0				5.87	7.40	9.10	9.84	11.00	12.05	13.15
60.0					6.68	8.31	9.01	10.15	11.10	12.15
65.0						7.47	8.14	9.19	10.15	11.10

50 Hz

ZP42K5E-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	15.0
10.0	1.10	1.06	1.04	1.01						
15.0	1.31	1.28	1.25	1.23	1.20					
20.0	1.52	1.49	1.46	1.44	1.41	1.38				
25.0	1.75	1.72	1.68	1.65	1.62	1.59	1.58	1.56		
30.0	2.00	1.96	1.92	1.88	1.84	1.82	1.80	1.78	1.76	1.74
35.0	2.29	2.23	2.18	2.14	2.10	2.06	2.04	2.02	2.00	1.97
40.0	2.62	2.55	2.49	2.43	2.38	2.33	2.31	2.28	2.26	2.23
45.0		2.92	2.85	2.78	2.71	2.65	2.63	2.59	2.56	2.53
50.0			3.27	3.18	3.10	3.02	3.00	2.95	2.92	2.88
55.0				3.65	3.56	3.46	3.43	3.38	3.33	3.29
60.0					4.09	3.98	3.94	3.87	3.82	3.77
65.0						4.58	4.53	4.45	4.39	4.33

Cond °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	2.43	2.41	2.39	2.37						
15.0	2.69	2.67	2.65	2.63	2.61					
20.0	2.95	2.93	2.91	2.90	2.87	2.84				
25.0	3.25	3.22	3.20	3.17	3.15	3.11	3.10	3.07		
30.0	3.58	3.54	3.51	3.48	3.45	3.42	3.40	3.37	3.34	3.31
35.0	3.97	3.92	3.87	3.83	3.80	3.75	3.73	3.70	3.67	3.64
40.0	4.44	4.36	4.30	4.25	4.20	4.15	4.12	4.09	4.06	4.02
45.0		4.89	4.81	4.74	4.67	4.61	4.58	4.54	4.50	4.46
50.0			5.41	5.32	5.24	5.15	5.12	5.07	5.03	4.98
55.0				6.01	5.90	5.80	5.76	5.70	5.65	5.59
60.0					6.69	6.57	6.52	6.44	6.38	6.32
65.0						7.46	7.40	7.31	7.24	7.16

50 Hz

ZP42K5E-TFD

R410A Dew Point

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	15.0
10.0	23.50	29.40	36.30	44.30						
15.0	23.30	29.30	36.30	44.20	53.30					
20.0	23.10	29.10	36.10	44.10	53.10	63.40				
25.0	22.70	28.80	35.80	43.80	52.80	63.00	67.50	74.60		
30.0	22.00	28.30	35.40	43.40	52.40	62.60	67.00	74.00	80.30	86.90
35.0	21.20	27.60	34.80	42.80	51.90	62.00	66.40	73.40	79.60	86.20
40.0	20.10	26.70	34.00	42.10	51.20	61.30	65.70	72.70	78.90	85.50
45.0		25.50	33.00	41.20	50.30	60.50	64.90	71.90	78.10	84.60
50.0			31.60	40.00	49.30	59.50	63.90	70.90	77.10	83.70
55.0				38.50	47.90	58.30	62.80	69.80	76.00	82.60
60.0					46.30	56.90	61.40	68.60	74.90	81.50
65.0						55.30	59.90	67.20	73.60	80.40

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	6.90
Length/Width, mm	246/246
Height, mm	418
Net Weight, kg	31
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.24
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	57
Sound Power (HT), dBA	68
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Max. Internal Free Volume, l	3.40
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

50 Hz

ZP42K5E-TFD

R410A Dew Point

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

Maximum Operating Current, A	8
Locked Rotor Current, A	43
Winding Resistance, ohm	4.64
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets	Rubber Grommet For Single
-------------------	---------------------------

ACCESSORIES OPTIONAL

Crankcase Heater	40 W External
------------------	---------------

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