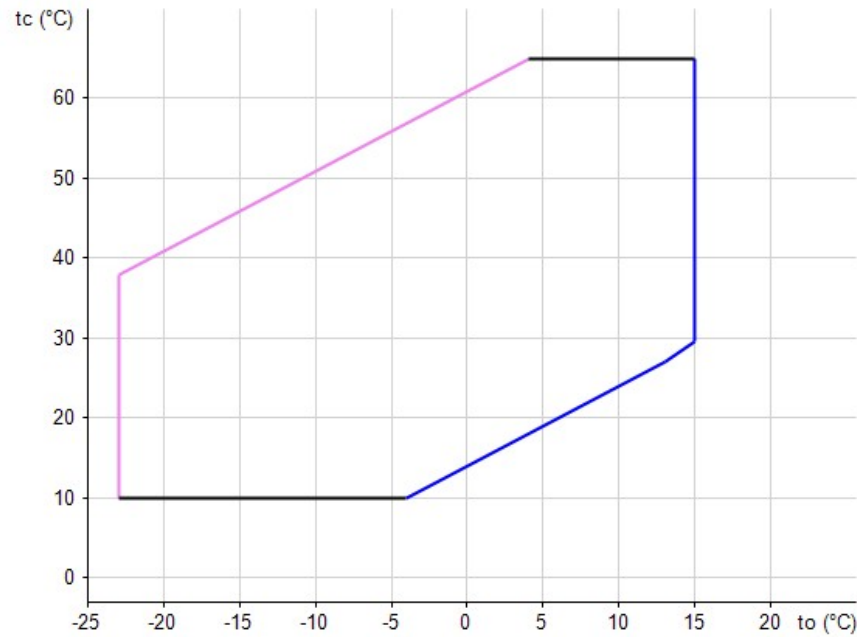


50 Hz

ZP54K5E-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	6.92	8.69	10.80	13.30						
15.0	6.56	8.28	10.30	12.70	15.50					
20.0	6.20	7.87	9.84	12.15	14.80	17.90				
25.0	5.82	7.45	9.35	11.55	14.10	17.05	18.35	20.40		
30.0	5.42	7.01	8.85	10.95	13.40	16.25	17.50	19.45	21.20	23.10
35.0	4.99	6.54	8.32	10.35	12.70	15.40	16.60	18.45	20.20	22.00
40.0	4.52	6.04	7.76	9.72	11.95	14.55	15.65	17.45	19.05	20.80
45.0		5.49	7.16	9.04	11.20	13.65	14.70	16.40	17.95	19.60
50.0			6.50	8.31	10.35	12.70	13.70	15.35	16.80	18.35
55.0				7.53	9.48	11.70	12.65	14.20	15.60	17.05
60.0					8.54	10.65	11.55	13.00	14.30	15.70
65.0						9.51	10.35	11.75	13.00	14.30

50 Hz

ZP54K5E-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	1.34	1.30	1.25	1.18						
15.0	1.58	1.55	1.51	1.46	1.42					
20.0	1.82	1.80	1.77	1.74	1.70	1.66				
25.0	2.07	2.06	2.04	2.01	1.98	1.96	1.95	1.94		
30.0	2.35	2.34	2.33	2.30	2.28	2.26	2.26	2.25	2.25	2.25
35.0	2.68	2.67	2.65	2.63	2.60	2.58	2.58	2.58	2.58	2.58
40.0	3.07	3.05	3.02	2.99	2.96	2.94	2.94	2.93	2.93	2.93
45.0		3.49	3.45	3.41	3.38	3.35	3.34	3.33	3.33	3.33
50.0			3.96	3.91	3.86	3.82	3.80	3.79	3.78	3.77
55.0				4.48	4.42	4.36	4.34	4.31	4.30	4.29
60.0					5.07	4.99	4.96	4.92	4.90	4.88
65.0						5.72	5.68	5.63	5.59	5.56

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	3.03	2.98	2.90	2.81						
15.0	3.30	3.27	3.21	3.15	3.08					
20.0	3.59	3.57	3.53	3.49	3.43	3.38				
25.0	3.91	3.90	3.87	3.84	3.80	3.76	3.75	3.73		
30.0	4.29	4.28	4.25	4.22	4.19	4.16	4.16	4.14	4.14	4.14
35.0	4.73	4.72	4.69	4.66	4.63	4.60	4.60	4.59	4.59	4.59
40.0	5.27	5.24	5.21	5.17	5.13	5.10	5.09	5.08	5.08	5.08
45.0		5.87	5.81	5.76	5.71	5.67	5.66	5.64	5.64	5.63
50.0			6.53	6.46	6.39	6.33	6.31	6.29	6.28	6.27
55.0				7.28	7.18	7.10	7.07	7.04	7.01	6.99
60.0					8.11	8.00	7.96	7.91	7.87	7.84
65.0						9.04	8.99	8.91	8.86	8.81

50 Hz

ZP54K5E-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	31.30	38.80	47.80	58.20						
15.0	30.70	38.30	47.20	57.60	69.60					
20.0	30.10	37.80	46.70	57.00	68.90	82.50				
25.0	29.40	37.20	46.10	56.50	68.30	81.80	87.70	97.10		
30.0	28.50	36.50	45.50	55.80	67.60	81.00	86.80	96.20	104.50	113.50
35.0	27.50	35.60	44.70	55.00	66.80	80.10	85.90	95.30	103.50	112.50
40.0	26.10	34.40	43.70	54.10	65.80	79.10	84.90	94.20	102.50	111.00
45.0		32.90	42.40	52.90	64.70	78.00	83.80	93.00	101.00	110.00
50.0			40.70	51.40	63.30	76.60	82.40	91.60	99.80	108.50
55.0				49.40	61.50	74.90	80.70	90.00	98.20	107.00
60.0					59.20	72.90	78.80	88.10	96.40	105.00
65.0						70.40	76.40	85.90	94.40	103.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	8.90
Length/Width, mm	246/246
Height, mm	418
Net Weight, kg	34
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	59
Sound Power (HT), dBA	70
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	3.10
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

ZP54K5E-TFD

R410A Dew Point

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

Maximum Operating Current, A	10.3
Locked Rotor Current, A	51.5
Winding Resistance, ohm	3.48
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets	Rubber Grommet For Single
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ACCESSORIES OPTIONAL

Crankcase Heater	40 W External
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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