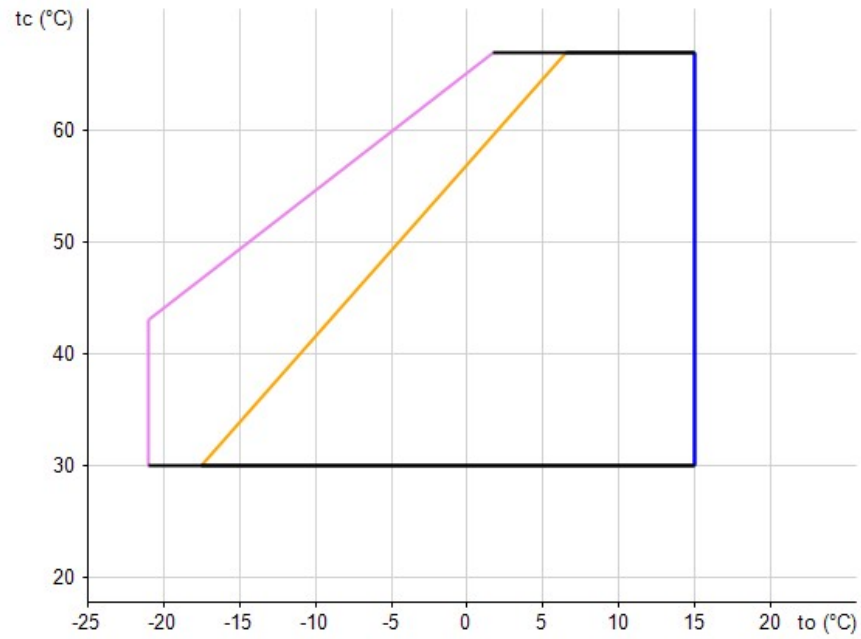


50 Hz

ZR40K3E-TFD

R407C Dew Point



Minimum Evaporating Temp. With:

- 10 K Suction Superheat ASERCOM certified
- 25 °C Suction Gas Return
- 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	15.0
30.0	3.31	4.27	5.44	6.82	8.42	10.25	11.05	12.30	13.45	14.60
35.0	3.11	4.04	5.17	6.51	8.06	9.84	10.60	11.85	12.95	14.10
40.0	2.89	3.77	4.85	6.14	7.64	9.36	10.10	11.30	12.35	13.50
45.0		3.48	4.50	5.73	7.16	8.81	9.54	10.70	11.70	12.80
50.0			4.14	5.29	6.65	8.22	8.90	10.00	11.00	12.00
55.0				4.83	6.10	7.58	8.23	9.27	10.20	11.20
60.0					5.54	6.91	7.52	8.50	9.37	10.30
65.0					4.97	6.23	6.80	7.70	8.52	9.39
67.0						5.96	6.50	7.38	8.17	9.01

50 Hz

ZR40K3E-TFD

R407C 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
30.0	1.68	1.68	1.67	1.66	1.66	1.64	1.62	1.60	1.58	1.56
35.0	1.90	1.90	1.90	1.89	1.88	1.86	1.85	1.82	1.80	1.77
40.0	2.15	2.15	2.15	2.15	2.14	2.11	2.10	2.07	2.04	2.01
45.0		2.43	2.44	2.44	2.42	2.39	2.38	2.35	2.31	2.28
50.0			2.76	2.76	2.75	2.71	2.69	2.66	2.62	2.58
55.0				3.12	3.11	3.07	3.05	3.01	2.97	2.93
60.0					3.52	3.48	3.46	3.41	3.37	3.32
65.0					3.98	3.94	3.91	3.86	3.82	3.76
67.0						4.13	4.11	4.06	4.01	3.95

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
30.0	3.84	3.82	3.81	3.81	3.80	3.78	3.77	3.74	3.71	3.67
35.0	4.05	4.04	4.04	4.04	4.04	4.01	4.00	3.96	3.93	3.88
40.0	4.32	4.32	4.33	4.33	4.32	4.29	4.27	4.24	4.20	4.15
45.0		4.66	4.67	4.67	4.66	4.63	4.61	4.56	4.52	4.46
50.0			5.08	5.08	5.07	5.03	5.00	4.95	4.90	4.84
55.0				5.56	5.54	5.50	5.47	5.41	5.35	5.28
60.0					6.09	6.04	6.01	5.94	5.88	5.80
65.0					6.73	6.67	6.63	6.56	6.49	6.40
67.0						6.94	6.90	6.83	6.75	6.66

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
30.0	19.35	24.60	30.80	38.00	46.20	55.50	59.50	65.80	71.30	77.10
35.0	19.05	24.30	30.60	37.90	46.30	55.70	59.70	66.10	71.70	77.60
40.0	18.65	23.90	30.20	37.60	46.00	55.50	59.60	66.00	71.70	77.70
45.0		23.30	29.60	37.00	45.40	55.00	59.10	65.60	71.40	77.40
50.0			28.80	36.10	44.60	54.20	58.30	64.90	70.60	76.70
55.0				35.20	43.50	53.10	57.20	63.80	69.60	75.70
60.0					42.30	51.80	55.90	62.50	68.30	74.50
65.0					41.10	50.40	54.50	61.10	66.90	73.00
67.0						49.80	53.90	60.40	66.20	72.40

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	9.43
Length/Width, mm	242/242
Height, mm	400
Net Weight, kg	27
Gross Weight, kg	31
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.1
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 (8.5)
Sound Pressure @ 1m (HT), dBA	57
Sound Power (HT), dBA	68
Sound Power with Sound Shell (HT), dBA	60
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Internal Free Volume, l	3.1
High Side PS gauge, bar	29.5
Low Side PS gauge, bar	20
Low Side TS Max., °C	50
Refrigerant's GWP	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	7
Locked Rotor Current, A	46
Winding Resistance, ohm	4.03
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
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50 Hz

ZR40K3E-TFD

R407C Dew Point

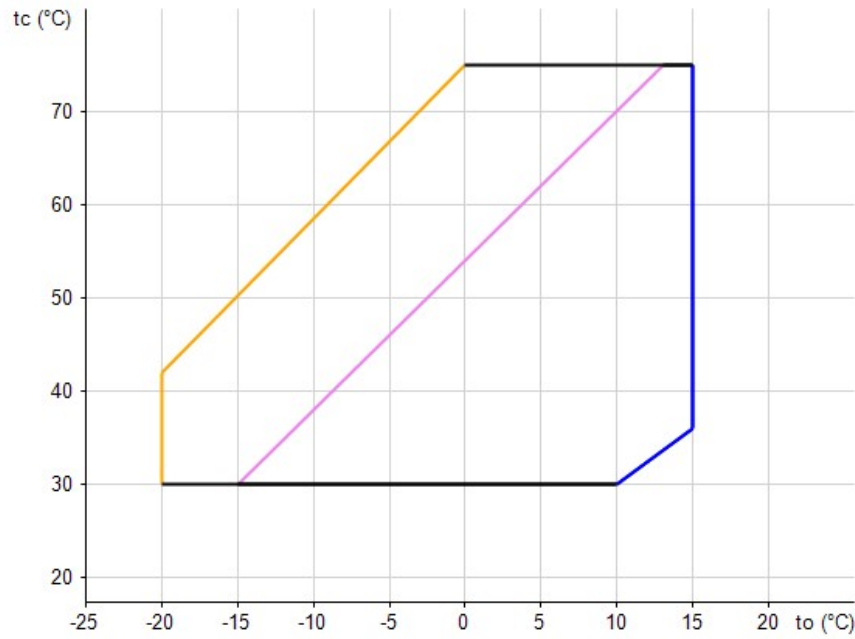
MOTOR OPTIONS

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

50 Hz

ZR40K3E-TFD

R134a



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 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	15.0
30.0	2.22	2.92	3.76	4.72	5.83	7.09	7.64	8.50		
35.0	2.01	2.69	3.50	4.44	5.52	6.75	7.28	8.13	8.89	
40.0	1.83	2.48	3.25	4.16	5.21	6.41	6.93	7.76	8.49	9.27
45.0		2.28	3.01	3.88	4.90	6.06	6.56	7.37	8.09	8.85
50.0		2.08	2.78	3.61	4.58	5.70	6.19	6.97	7.67	8.40
55.0			2.55	3.33	4.25	5.33	5.80	6.55	7.22	7.93
60.0				3.04	3.91	4.93	5.38	6.10	6.74	7.43
65.0				2.73	3.55	4.51	4.93	5.62	6.23	6.89
70.0					3.16	4.06	4.46	5.10	5.69	6.31
75.0					2.74	3.57	3.94	4.54	5.09	5.68

50 Hz

ZR40K3E-TFD

R134a

Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	1.20	1.17	1.16	1.14	1.14	1.14	1.13	1.12		
35.0	1.40	1.36	1.34	1.32	1.32	1.32	1.32	1.31	1.30	
40.0	1.62	1.56	1.53	1.51	1.50	1.50	1.50	1.49	1.49	1.48
45.0		1.78	1.73	1.70	1.69	1.68	1.68	1.68	1.68	1.68
50.0		2.01	1.96	1.92	1.90	1.89	1.89	1.88	1.88	1.88
55.0			2.21	2.16	2.13	2.12	2.12	2.11	2.11	2.11
60.0				2.44	2.40	2.38	2.37	2.37	2.37	2.37
65.0				2.76	2.71	2.68	2.67	2.67	2.66	2.66
70.0					3.07	3.03	3.02	3.01	3.00	3.00
75.0					3.48	3.44	3.42	3.41	3.40	3.39

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
30.0	3.19	3.15	3.10	3.05	3.01	2.98	2.98	2.99		
35.0	3.44	3.41	3.35	3.30	3.24	3.19	3.18	3.16	3.16	
40.0	3.66	3.63	3.59	3.53	3.46	3.39	3.37	3.34	3.32	3.30
45.0		3.85	3.81	3.75	3.68	3.61	3.58	3.53	3.50	3.47
50.0		4.06	4.04	4.00	3.93	3.85	3.81	3.76	3.72	3.68
55.0			4.30	4.27	4.21	4.13	4.09	4.04	3.99	3.94
60.0				4.59	4.55	4.47	4.44	4.38	4.33	4.28
65.0				4.98	4.96	4.90	4.86	4.81	4.76	4.71
70.0					5.45	5.41	5.39	5.34	5.29	5.24
75.0					6.06	6.04	6.03	5.99	5.95	5.90

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
30.0	14.55	18.80	23.70	29.20	35.30	42.10	45.00	49.60		
35.0	13.90	18.15	23.10	28.70	35.00	41.90	44.90	49.50	53.60	
40.0	13.30	17.60	22.60	28.20	34.60	41.70	44.70	49.50	53.70	58.00
45.0		17.10	22.10	27.80	34.30	41.50	44.60	49.40	53.70	58.10
50.0		16.65	21.60	27.40	33.90	41.20	44.40	49.30	53.60	58.20
55.0			21.10	26.90	33.40	40.80	44.00	49.10	53.50	58.10
60.0				26.20	32.80	40.30	43.50	48.60	53.10	57.80
65.0				25.40	32.00	39.50	42.80	48.00	52.50	57.30
70.0					30.90	38.50	41.80	47.00	51.60	56.50
75.0					29.40	37.00	40.30	45.60	50.30	55.30

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	9.43
Length/Width, mm	242/242
Height, mm	400
Net Weight, kg	27
Gross Weight, kg	31
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.1
Oil type (original charge)	POE RL32-3MAF
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Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	57
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Sound Power with Sound Shell (HT), dBA	60
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Internal Free Volume, l	3.1
High Side PS gauge, bar	29.5
Low Side PS gauge, bar	20
Low Side TS Max., °C	50
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	7
Locked Rotor Current, A	46
Winding Resistance, ohm	4.03
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
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50 Hz

ZR40K3E-TFD

R134a

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