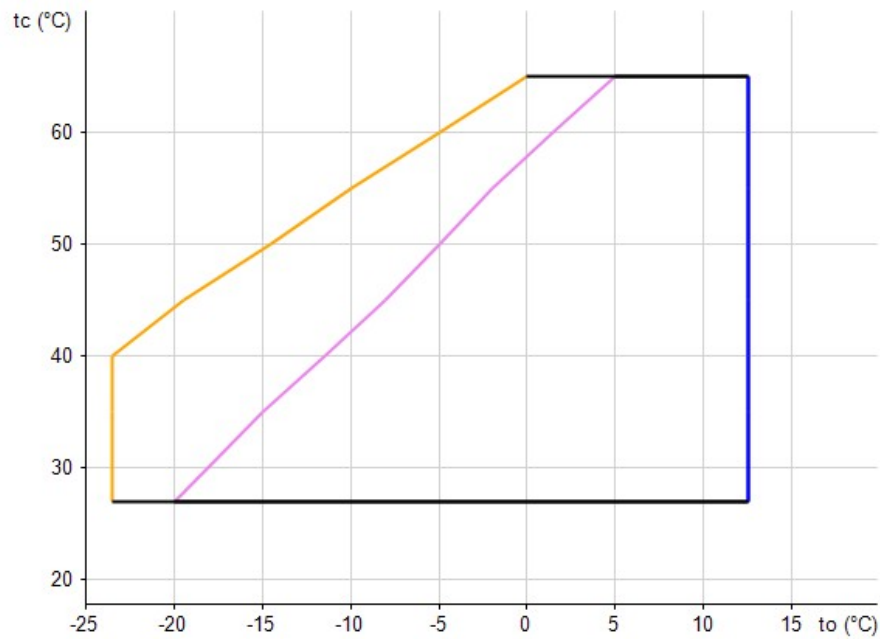




Minimum Evaporating Temp. With:

- 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
27.0	5.70	7.28	9.17	11.35	13.75	16.35	17.45	19.15	20.60
30.0	5.54	7.09	8.94	11.05	13.45	16.05	17.10	18.80	20.20
35.0	5.22	6.70	8.49	10.55	12.85	15.40	16.45	18.15	19.55
40.0	4.86	6.26	7.97	9.96	12.20	14.70	15.75	17.35	18.75
45.0		5.80	7.42	9.34	11.50	13.90	14.90	16.50	17.85
50.0			6.89	8.70	10.80	13.10	14.05	15.60	16.95
55.0			6.39	8.10	10.05	12.30	13.25	14.70	16.00
60.0				7.56	9.41	11.50	12.40	13.85	15.10
65.0					8.84	10.80	11.70	13.05	14.20

50 Hz	ZR61KCE-TFD	R22
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Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	2.26	2.31	2.34	2.37	2.42	2.50	2.54	2.63	2.73
30.0	2.42	2.47	2.51	2.54	2.59	2.68	2.73	2.82	2.91
35.0	2.70	2.76	2.80	2.83	2.89	2.98	3.03	3.12	3.22
40.0	3.02	3.08	3.12	3.15	3.20	3.29	3.34	3.43	3.53
45.0		3.45	3.47	3.50	3.55	3.63	3.67	3.76	3.86
50.0			3.89	3.90	3.94	4.01	4.05	4.13	4.22
55.0			4.37	4.37	4.39	4.44	4.48	4.55	4.63
60.0				4.92	4.91	4.95	4.98	5.04	5.11
65.0					5.53	5.54	5.56	5.61	5.67

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
27.0	5.97	6.02	6.04	6.07	6.11	6.19	6.24	6.33	6.43
30.0	6.10	6.15	6.18	6.21	6.27	6.36	6.41	6.52	6.62
35.0	6.37	6.41	6.44	6.48	6.54	6.65	6.71	6.82	6.94
40.0	6.71	6.74	6.76	6.79	6.85	6.96	7.03	7.15	7.27
45.0		7.15	7.15	7.17	7.22	7.32	7.39	7.51	7.63
50.0			7.63	7.63	7.66	7.75	7.81	7.92	8.04
55.0			8.23	8.19	8.20	8.26	8.31	8.41	8.52
60.0				8.88	8.84	8.88	8.91	9.00	9.09
65.0					9.62	9.61	9.63	9.69	9.77

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
27.0	33.30	42.00	52.20	63.70	76.30	89.80	95.40	104.00	111.50
30.0	33.10	41.80	52.00	63.60	76.30	89.90	95.60	104.50	112.00
35.0	32.40	41.00	51.30	62.90	75.80	89.70	95.50	104.50	112.00
40.0	31.40	39.90	50.10	61.80	74.80	88.90	94.70	104.00	111.50
45.0		38.60	48.70	60.40	73.50	87.70	93.60	103.00	110.50
50.0			47.30	58.90	72.00	86.30	92.30	101.50	109.50
55.0			46.10	57.60	70.60	84.90	91.00	100.50	108.50
60.0				56.70	69.50	83.80	89.90	99.30	107.50
65.0					69.10	83.30	89.40	98.80	107.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	14.3
Length/Width, mm	246/246
Height, mm	451
Net Weight, kg	39.5
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.66
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	60
Sound Power (HT), dBA	71
Sound Power with Sound Shell (HT), dBA	67
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	7 / 54 / 18 °C at 50 Hz
PED Category	1
Max. Internal Free Volume, l	4.10
High Side PS gauge, bar	29.5
Low Side PS gauge, bar	20
Low Side TS Max., °C	50
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	11
Locked Rotor Current, A	65.5
Winding Resistance, ohm	2.75
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

ZR61KCE-TFD

R22

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
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