
GACO SARL

28, Rue Bencharif Madani

25000 BELLEVUE/CONSTANTINE - ALGERIE

Tel. : 031 92 54 56 / 031 93 22 23 - Fax : 031 92 13 45

Email : gacosarl@gmail.com / benkobbi_fares@yahoo.fr

**Type: Hermetic scroll compressors****Producer: Copeland****Series: ZR****Model: ZR61KCE-TFD****Technical data**

Displacement [m ³ /h]:	14,4
Sound power [dBA]:	71
Sound pressure level [dB]:	60
Net Weight [kg]:	36,1
Oil charge [dm ³]:	2,0
Maximum high pressure [bar]:	29,5
Maximum standstill pressure [bar]:	20
Maximum lowside temperature [°C]:	50
PED category:	1

Electrical data

Power supply [V/~/Hz]:	380-420/3/50Hz
Locked rotor current [A]:	65,5
Max. operating current [A]:	11,0
Winding resistance [Ω]:	2,8

Connections

	<u>inches</u>
Suction Rotolock valve connection:	1 1/4"
Discharge Rotolock valve connection:	1"
Suction connection with supplied sleeve:	7/8"
Discharge connection with supplied sleeve:	1/2"

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R134a

Cooling capacity [kW]

$t_c \setminus t_e$	-20	-15	-10	-5	0	5	10	15
30	3.46	4.55	5.80	7.27	8.99	11.00	13.34	-
35	3.24	4.29	5.49	6.90	8.54	10.47	12.72	-
40	3.02	4.03	5.18	6.53	8.10	9.94	12.09	14.58
45	-	3.77	4.87	6.15	7.65	9.40	11.45	13.83
50	-	3.51	4.55	5.77	7.18	8.85	10.79	13.06
55	-	-	4.23	5.37	6.71	8.28	10.13	12.28
60	-	-	-	4.96	6.22	7.70	9.44	11.47
65	-	-	-	4.54	5.71	7.09	8.72	10.64
70	-	-	-	-	5.18	6.46	7.98	9.78
75	-	-	-	-	4.62	5.80	7.21	8.89

Power input [kW]

$t_c \setminus t_e$	-20	-15	-10	-5	0	5	10	15
30	1.67	1.71	1.73	1.75	1.76	1.78	1.80	-
35	1.86	1.90	1.93	1.95	1.96	1.98	2.01	-
40	2.07	2.11	2.14	2.16	2.18	2.20	2.24	2.28
45	-	2.35	2.38	2.40	2.42	2.45	2.48	2.53
50	-	2.62	2.65	2.67	2.69	2.71	2.75	2.79
55	-	-	2.96	2.98	2.99	3.01	3.05	3.09
60	-	-	-	3.32	3.34	3.35	3.38	3.42
65	-	-	-	3.72	3.73	3.74	3.76	3.80
70	-	-	-	-	4.17	4.17	4.19	4.22
75	-	-	-	-	4.67	4.66	4.67	4.70

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**Current [A]**

t_c \ t_e	-20	-15	-10	-5	0	5	10	15
30	5.05	5.10	5.12	5.13	5.12	5.12	5.13	-
35	5.08	5.15	5.19	5.20	5.21	5.21	5.22	-
40	5.18	5.27	5.33	5.36	5.37	5.38	5.39	5.43
45	-	5.48	5.55	5.59	5.61	5.62	5.64	5.67
50	-	5.75	5.84	5.89	5.92	5.94	5.96	5.99
55	-	-	6.20	6.26	6.30	6.33	6.35	6.38
60	-	-	-	6.70	6.75	6.78	6.81	6.84
65	-	-	-	7.21	7.27	7.30	7.33	7.36
70	-	-	-	-	7.84	7.89	7.92	7.95
75	-	-	-	-	8.48	8.53	8.56	8.59

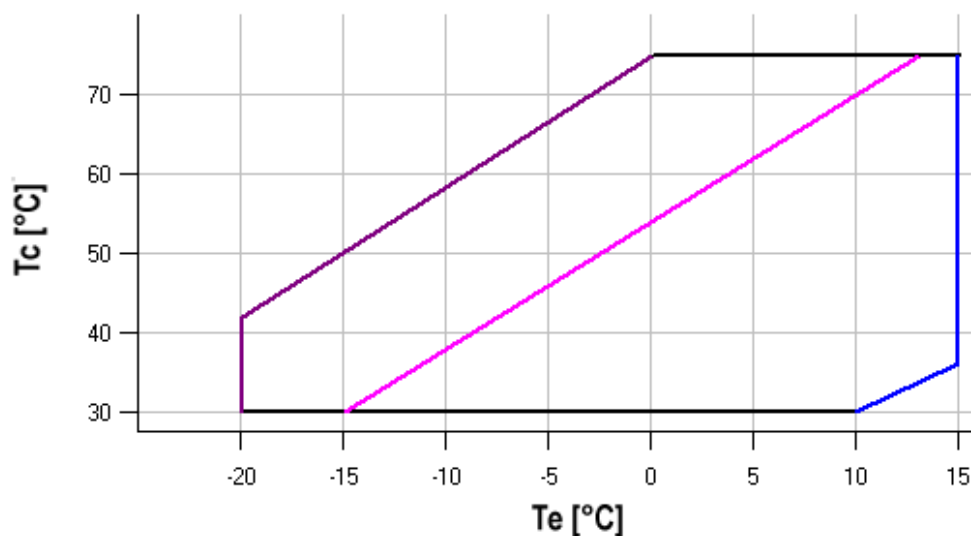
Mass flow [kg/h]

t_c \ t_e	-20	-15	-10	-5	0	5	10	15
30	81.49	105.18	131.67	161.69	195.93	235.12	279.97	-
35	80.46	104.16	130.65	160.64	194.84	233.97	278.75	-
40	79.50	103.22	129.70	159.66	193.82	232.89	277.58	328.61
45	-	102.22	128.69	158.62	192.73	231.74	276.35	327.28
50	-	101.05	127.50	157.40	191.47	230.40	274.93	325.75
55	-	-	126.02	155.89	189.90	228.76	273.20	323.92
60	-	-	-	153.95	187.90	226.69	271.04	321.65
65	-	-	-	151.47	185.37	224.08	268.33	318.83
70	-	-	-	-	182.16	220.80	264.95	315.33
75	-	-	-	-	178.17	216.72	260.77	311.04

C.O.P. [W/W]

$t_c \setminus t_e$	-20	-15	-10	-5	0	5	10	15
30	2.07	2.66	3.35	4.16	5.10	6.18	7.39	-
35	1.74	2.26	2.85	3.54	4.35	5.28	6.31	-
40	1.46	1.91	2.42	3.02	3.71	4.51	5.40	6.39
45	-	1.60	2.05	2.56	3.16	3.84	4.62	5.47
50	-	1.34	1.72	2.16	2.67	3.26	3.93	4.68
55	-	-	1.43	1.81	2.24	2.75	3.33	3.97
60	-	-	-	1.49	1.86	2.30	2.79	3.35
65	-	-	-	1.22	1.53	1.90	2.32	2.80
70	-	-	-	-	1.24	1.55	1.91	2.32
75	-	-	-	-	0.99	1.24	1.54	1.89

Application range



- Maximum evaporating temperature
- 25°C suction gas temperature
- 10K gas overheat

Operating conditions: 10K suction superheat, 0K subcooling

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

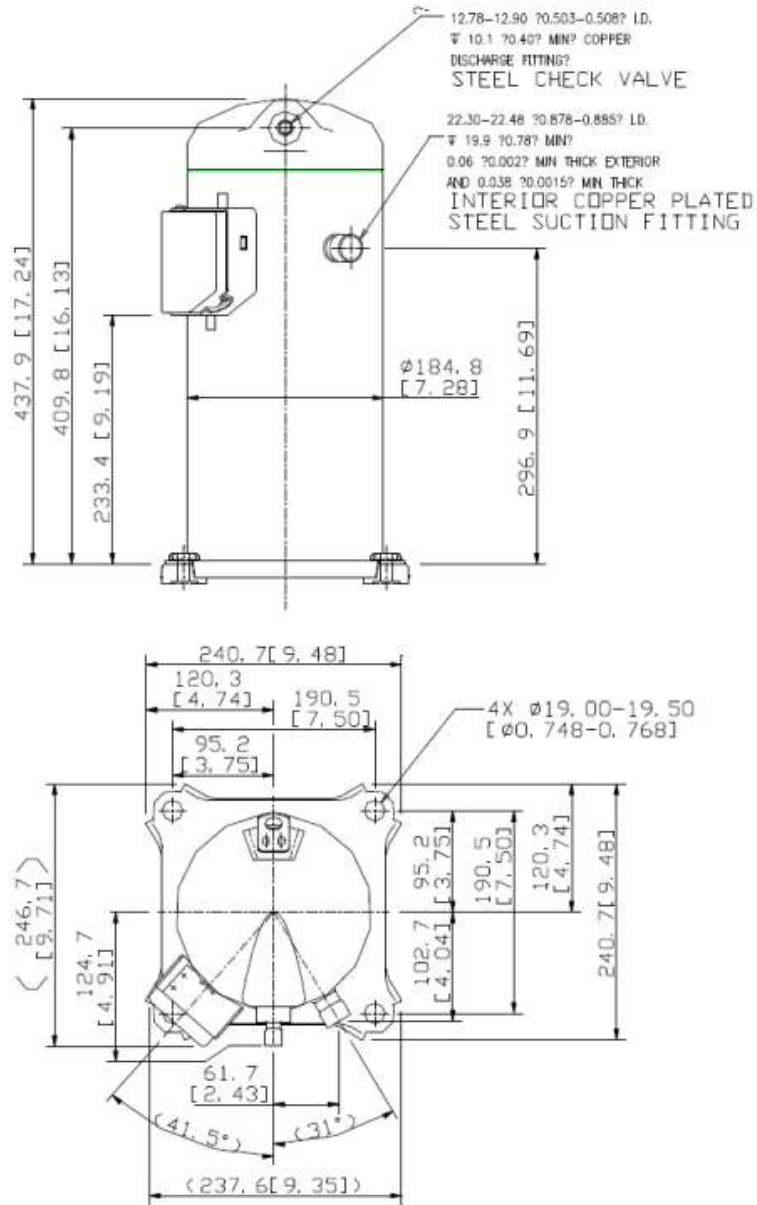
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