
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: Maneurop****Series: SM****Model: SM110****Data****Model: SM110****Technical data**

Displacement [m ³ /h]:	25,1
:	144,2
RPM [min ⁻¹]:	2900
Weight [kg]:	73
Oil charge [dm ³]:	3,3
Oil type:	160P
Maximum system test pressure low side / high side:	25 / 32
Maximum number of starts without softstart [1/h]:	12
Refrigerant charge limit [dm ³]:	10
Refrigerant:	R22

Connections

	<u>inches</u>
Suction Rotolock valve connection:	-
Discharge Rotolock valve connection:	-
Suction connection with supplied sleeve:	1 3/8"
Discharge connection with supplied sleeve:	7/8"

Approvals

CCC	-
CE	+
UL	+

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R22

Model: SM110

Cooling capacity [W]

Capacity

$t_c \setminus t_e$	-20	-15	-10	-5	0	5	10	15
30	10 774	13 651	16 984	20 811	25 168	30 094	35 624	41 797
35	10 154	12 969	16 224	19 954	24 198	28 992	34 374	40 380
40	9 507	12 250	15 414	19 037	23 155	27 806	33 027	38 855
45	-	11 495	14 557	18 061	22 042	26 538	31 587	37 225
50	-	-	13 655	17 028	20 860	25 190	30 055	35 492
55	-	-	-	15 939	19 612	23 764	28 434	33 657
60	-	-	-	-	18 299	22 262	26 724	31 723
65	-	-	-	-	16 923	20 685	24 929	29 692

Power input [W]

$t_c \setminus t_e$	-20	-15	-10	-5	0	5	10	15
30	4 672	4 686	4 700	4 713	4 725	4 734	4 740	4 743
35	5 200	5 209	5 218	5 225	5 228	5 229	5 225	5 215
40	5 798	5 803	5 805	5 804	5 799	5 790	5 774	5 752
45	-	6 473	6 468	6 459	6 444	6 424	6 397	6 361
50	-	-	7 214	7 196	7 172	7 140	7 100	7 050
55	-	-	-	8 024	7 988	7 944	7 890	7 826
60	-	-	-	-	8 902	8 844	8 776	8 697
65	-	-	-	-	9 919	9 848	9 765	9 669

Current [A]

$t_c \setminus t_e$	-20	-15	-10	-5	0	5	10	15
30	10.69	10.71	10.74	10.75	10.76	10.77	10.76	10.74
35	11.23	11.25	11.27	11.27	11.28	11.27	11.25	11.21
40	11.88	11.90	11.90	11.90	11.89	11.87	11.84	11.79
45	-	12.67	12.66	12.65	12.63	12.60	12.55	12.48
50	-	-	13.56	13.54	13.50	13.45	13.39	13.30
55	-	-	-	14.57	14.52	14.45	14.37	14.27
60	-	-	-	-	15.69	15.61	15.51	15.39
65	-	-	-	-	17.04	16.95	16.82	16.68

Model: SM110

Mass flow [kg/s]

Capacity

$t_c \setminus t_e$	-20	-15	-10	-5	0	5	10	15
30	217.95	272.54	334.69	405.02	484.14	572.66	671.18	780.32
35	212.40	267.78	330.66	401.67	481.41	570.48	669.51	779.09
40	206.36	262.35	325.80	397.32	477.50	566.97	666.33	776.19
45	-	256.08	319.93	391.78	472.26	561.95	661.48	771.44
50	-	-	312.86	384.89	465.48	555.23	654.76	764.67
55	-	-	-	376.45	456.99	546.64	646.00	755.69
60	-	-	-	-	446.61	535.98	635.01	744.31
65	-	-	-	-	434.16	523.09	621.62	730.36

C.O.P. [W/W]

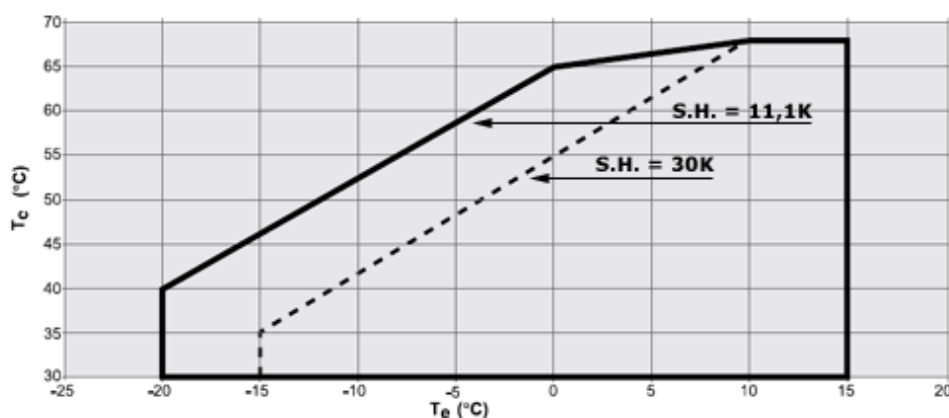
$t_c \setminus t_e$	-20	-15	-10	-5	0	5	10	15
30	2.31	2.91	3.61	4.42	5.33	6.36	7.51	8.81
35	1.95	2.49	3.11	3.82	4.63	5.54	6.58	7.74
40	1.64	2.11	2.66	3.28	3.99	4.80	5.72	6.75
45	-	1.78	2.25	2.80	3.42	4.13	4.94	5.85
50	-	-	1.89	2.37	2.91	3.53	4.23	5.03
55	-	-	-	1.99	2.46	2.99	3.60	4.30
60	-	-	-	-	2.06	2.52	3.05	3.65
65	-	-	-	-	1.71	2.10	2.55	3.07

Operating conditions: suction superheat: 11.1 K, subcooling: 8.3 K

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

Application range



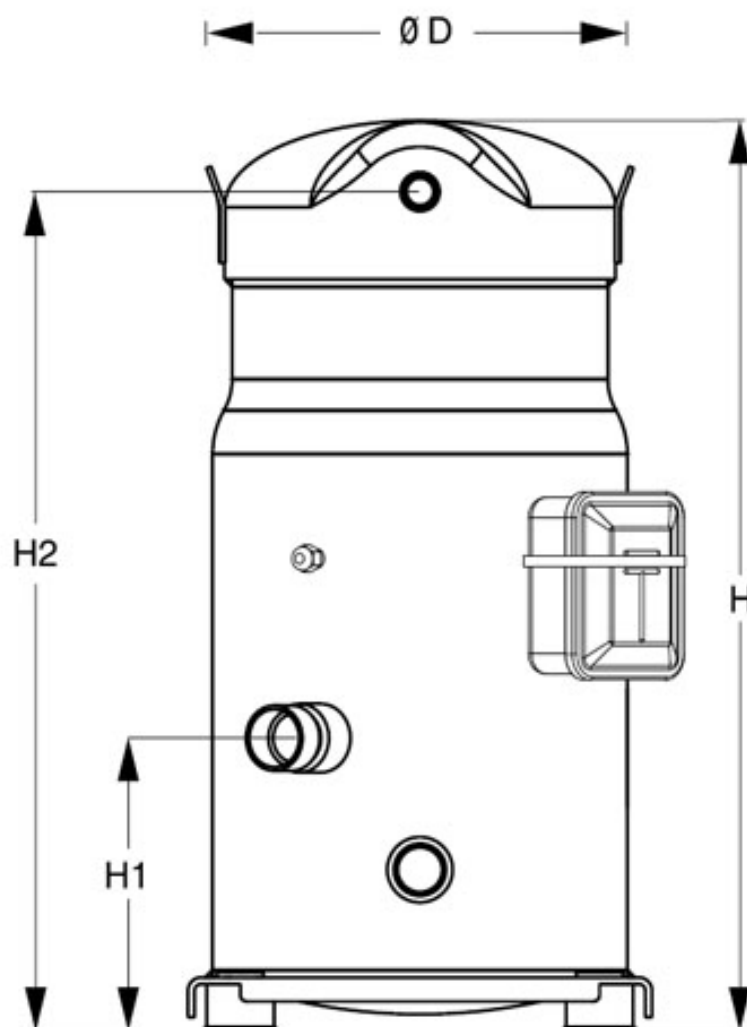
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**Model: SM110****Dimensions**

D	254
H	558
H1	178 mm
H2	515 mm

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Model: SM110

Image



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Model: SM110**Equipment****Equipment**

- ▶ oil equalization - thread adapter 3/8"
- ▶ belt type heater - crankcase heater 65W, 230V
- ▶ soft-start kit - electronic softstart MCI 15C
- ▶ acoustic hood - acoustic shield of Danfoss catalogue number 7755010
- ▶ discharge thermostatic protection - discharge temperature protection accessory - Danfoss catalogue number 7750009