

Type: Semi-hermetic piston compressors

Producer: Frascold

Series: A

Model: A 1 7 Y

Technical data

Nominal motor power [kW/HP]:	0,75 / 1
Cylinder count:	2
Displacement [m ³ /h]:	6,91
RPM [min ⁻¹]:	1450
Weight net [kg]:	36
Weight gross [kg]:	37
Oil charge [dm ³]:	1,2

Electrical data

Power supply [V/~ /Hz]:	230V/3/50 Δ	400V/3/50 Y
Locked rotor current [A]:	23,6	13,6
Max. operating current [A]:	6,4	3,7

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	15,8	5/8
Discharge line:	12,7	1/2

R22

Cooling capacity [W]

$t_c \setminus t_e$	-5	-10	-15	-20	-25	-30	-35	-40	-45
30	4 650	300	3 050	2 420	1 890	1 440	1 080	780	550
40	4 110	3 350	2 690	2 120	1 640	1 240	920	650	440
45	3 850	3 130	2 510	1 970	1 520	1 150	840	590	390
50	3 570	2 910	2 320	1 830	1 400	1 050	760	520	-

Power input [W]

$t_c \setminus t_e$	-10	-20	-30	-40
40	1 320	1 120	870	630

With head cooling

Operating conditions: suction gas temperature 20°C, 0K subcooling

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R134a

Cooling capacity [W]

$t_c \setminus t_e$	12.5	7.5	5	0	-5	-10	-15	-20
30	6 140	5 090	4 630	3 800	3 090	2 490	1 970	1 530
40	5 440	4 520	4 110	3 360	2 730	2 170	1 700	1 300
45	5 100	4 230	3 850	3 140	2 540	2 010	1 570	1 180
50	4 760	3 950	3 580	2 920	2 350	1 850	1 430	1 070

Power input [W]

$t_c \setminus t_e$	12.5	5	0	-10
40	1 250	1 110	1 010	810

With head cooling

Operating conditions: suction gas temperature 20°C, 0K subcooling

 t_c - Condensing temperature [°C] t_e - Evaporating temperature [°C]

R404A/R507

Cooling capacity [W]

$t_c \setminus t_e$	-5	-10	-15	-20	-25	-30	-35	-40	-45
30	5 180	4 290	3 510	2 830	2 240	1 740	1 300	940	630
40	4 390	3 630	2 960	2 370	1 850	1 400	1 020	690	420
45	4 000	3 300	2 680	2 130	1 650	1 240	880	570	310
50	3 600	2 970	2 400	1 900	1 460	1 070	740	460	-

Power input [W]

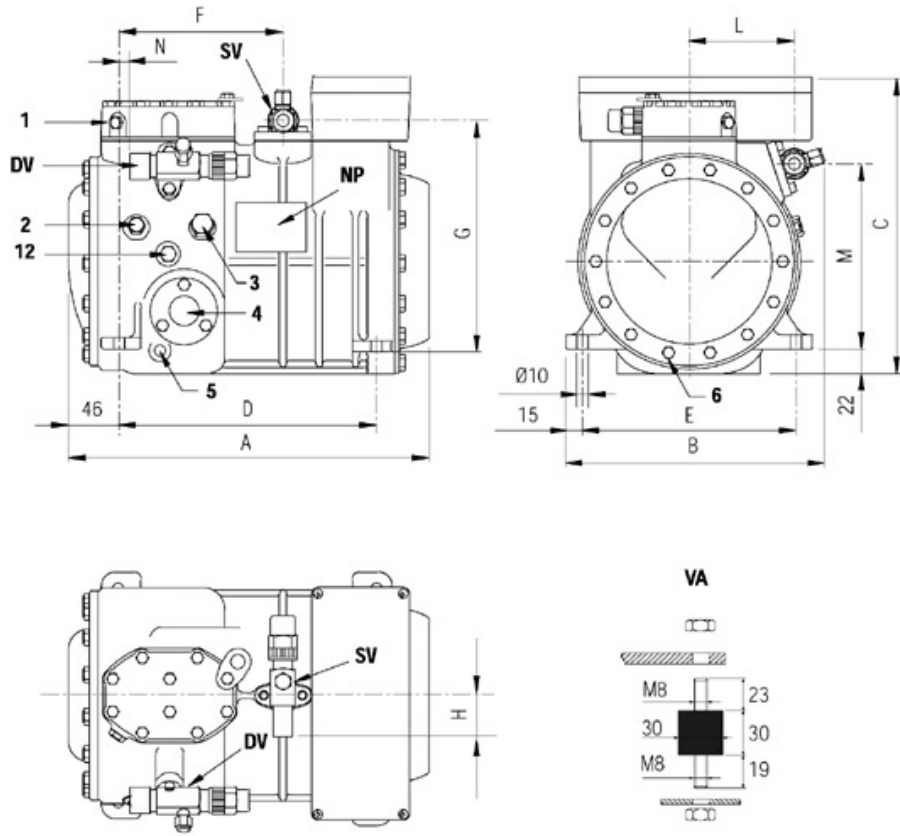
$t_c \setminus t_e$	-10	-20	-30	-40
40	1 620	1 270	940	640

With head cooling

Operating conditions: suction gas temperature 20°C, 0K subcooling

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



A	313 mm
B	237 mm
C	275 mm
D	234 mm
E	194 mm
F	150 mm
G	209 mm
H	29 mm
L	95 mm
M	168 mm
N	18 mm

1: high pressure plug
3: oil charge plug
5: crankcase heater seat
12: oil return plug
NP: name plate

2: low pressure plug
4: oil level sight glass
6: oil drain plug
DV: discharge valve
SV: suction valve

