

Type: Semi-hermetic piston compressors

Producer: Frascold

Series: A

Model: A 0.7 6 Y

Technical data

Nominal motor power [kW/HP]:	0,55 / 0,75
Cylinder count:	2
Displacement [m ³ /h]:	5,47
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]:	18,6	10,7
Max. operating current [A]:	4,9	2,8

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	3 590	2 920	2 330	1 830	1 410	1 060	780	550	370
40	3 150	2 550	2 020	1 570	1 200	890	630	430	280
45	2 930	2 370	1 870	1 450	1 090	800	570	380	240
50	2 710	2 180	1 720	1 320	990	720	500	330	-

Power input [W]

$t_c \setminus t_e$	-10	-20	-30	-40
40	1 020	840	640	450

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	4 760	3 920	3 560	2 930	2 380	1 910	1 510	1 180
40	4 190	3 480	3 160	2 590	2 100	1 670	1 310	1 000
45	3 930	3 260	2 960	2 420	1 960	1 550	1 210	910
50	3 660	3 040	2 760	2 250	1 810	1 430	1 100	820

Power input [W]

$t_c \setminus t_e$	12.5	5	0	-10
40	960	850	770	620

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	4 090	3 390	2 770	2 240	1 770	1 370	1 030	740	500
40	3 470	2 870	2 340	1 870	1 460	1 110	810	550	330
45	3 160	2 610	2 120	1 690	1 310	980	700	450	250
50	2 850	2 350	1 900	1 500	1 150	850	590	360	170

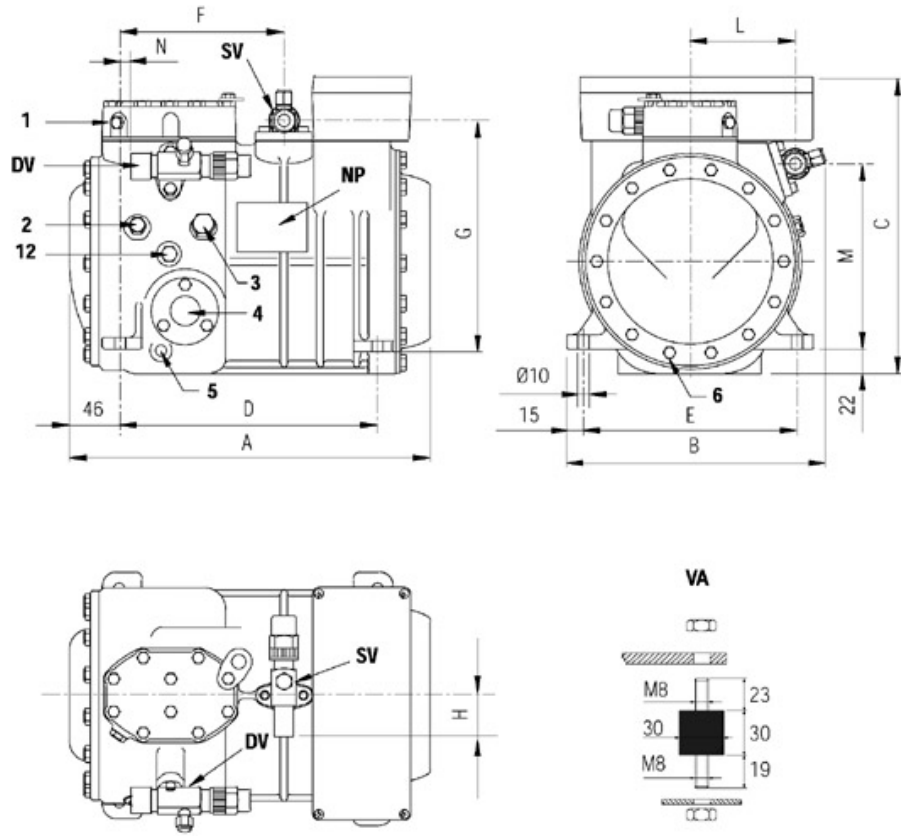
Power input [W]

$t_c \setminus t_e$	-10	-20	-30	-40
40	1 280	1 000	740	510

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

