

Type: Semi-hermetic piston compressors

Producer: Frascold

Series: S

Model: S 8 42 Y

Technical data

Nominal motor power [kW/HP]:	5,5 / 7,5
Cylinder count:	4
Displacement [m ³ /h]:	41,32
RPM [min ⁻¹]:	1450
Weight net [kg]:	117
Weight gross [kg]:	131
Oil charge [dm ³]:	3,3

Electrical data

	<u>DOL Y Y</u>	<u>PWS Y / Y</u>
Power supply [V/~ / Hz]:	400V/3/50	400V/3/50
Locked rotor current [A]:	90,3	52,7
Max. operating current [A]:	20,3	20,3

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	35	1 3/8
Discharge line:	28,6	1 1/8

R404A/R507

Cooling capacity [W]

$t_c \setminus t_e$	-5	-10	-15	-20	-25	-30	-35	-40	-45
30	33 430	27 691	22 663	18 287	14 504	11 257	8 487	6 137	4 147
40	28 341	23 401	19 083	15 328	12 078	9 276	6 862	4 778	2 967
45	25 679	21 157	17 212	13 786	10 821	8 259	6 041	4 109	2 406
50	22 954	18 862	15 302	12 218	9 550	7 240	5 230	3 463	-

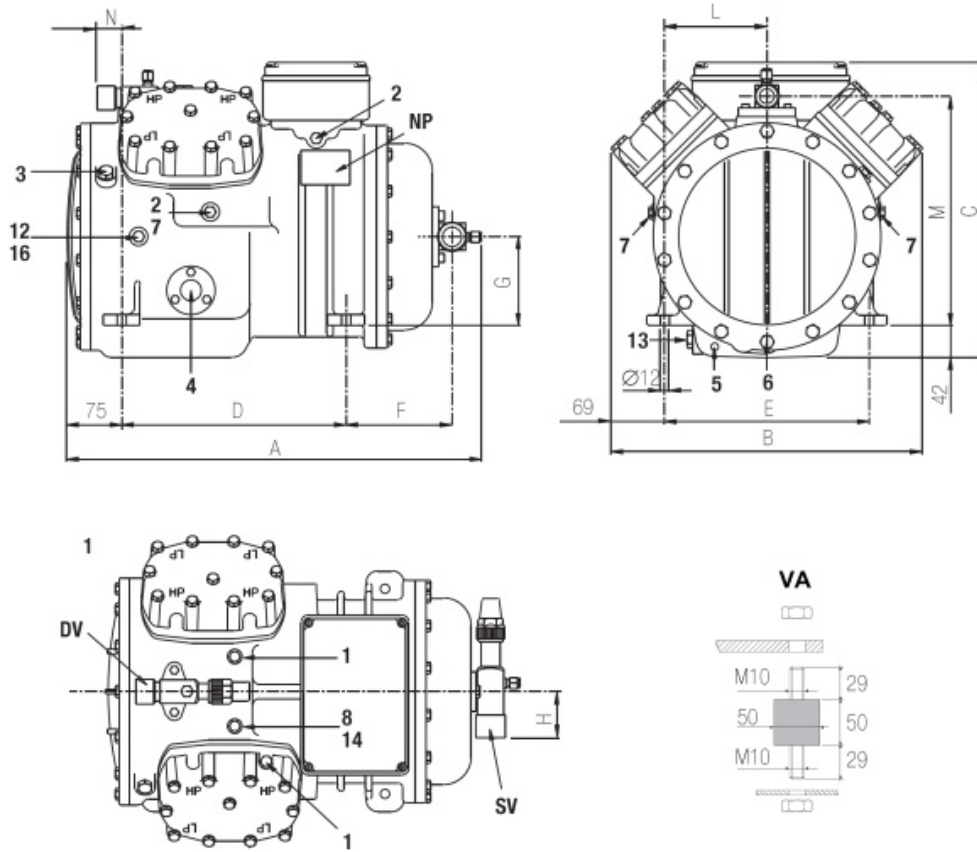
Power input [W]

$t_c \setminus t_e$	-10	-20	-30	-40
40	9 166	7 503	5 730	3 941

	With head cooling
	With liquid injection or oil cooler

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

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



A	550 mm
B	405 mm
C	390 mm
D	292 mm
E	266 mm
F	147 mm
G	115 mm
H	58 mm
L	133 mm
M	298 mm
N	23 mm

- | | |
|--|---------------------------------|
| 1: high pressure plug | 2: low pressure plug |
| 3: oil charge plug | 4: oil level sight glass |
| 5: crankcase heater seat | 6: oil drain plug |
| 7: liquid injection valve plug | 8: liquid injection sensor plug |
| 12: oil return plug | 13: magnetic plug |
| 14: max. discharge temperature sensor plug | 16: crankcase pressure plug |
| DV: discharge valve | NP: name plate |
| SV: suction valve | |

