

Type: Semi-hermetic piston tandem compressors

Producer: Frascold

Series: SS

Model: SS 7 39 Y

Technical data

Nominal motor power [kW/HP]:	11 / 15
Cylinder count:	8
Displacement [m ³ /h]:	76,5
Cylinder capacity [cm ³]:	109,93
Cylinder bore [mm]:	54
Cylinder stroke [mm]:	48
RPM [min ⁻¹]:	1450
Weight net [kg]:	239
Weight gross [kg]:	265
Oil charge [dm ³]:	6,6

Electrical data

	<u>DOL Y Y</u>	<u>PWS Y / Y</u>
Power supply [V/~ / Hz]:	400V/3/50Hz	400V/3/50Hz
Locked rotor current [A]:	74,6	49,2
Max. operating current [A]:	17	17

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	67	2 5/8"
Discharge line:	28,6	1 1/8"

R22

Cooling capacity [W]

$t_c \setminus t_e$	-5	-10	-15	-20	-25	-30	-35	-40	-45
30	57 340	46 620	37 420	39 600	22 980	17 480	12 920	9 220	6 260
40	51 040	41 220	32 820	25 680	19 660	14 680	10 600	7 320	4 780
45	47 860	38 500	30 500	23 720	18 020	13 320	9 480	6 440	4 080
50	44 660	35 780	28 200	21 780	16 400	11 980	8 400	5 580	-

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	71 560	59 440	54 040	44 400	36 140	29 080	23 120	18 060
40	64 460	53 440	48 540	39 740	32 200	25 760	20 300	15 680
45	60 840	50 380	45 720	37 360	30 180	24 060	18 860	14 460
50	57 140	47 260	42 840	34 940	28 140	22 340	17 400	13 220

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R404A/R507

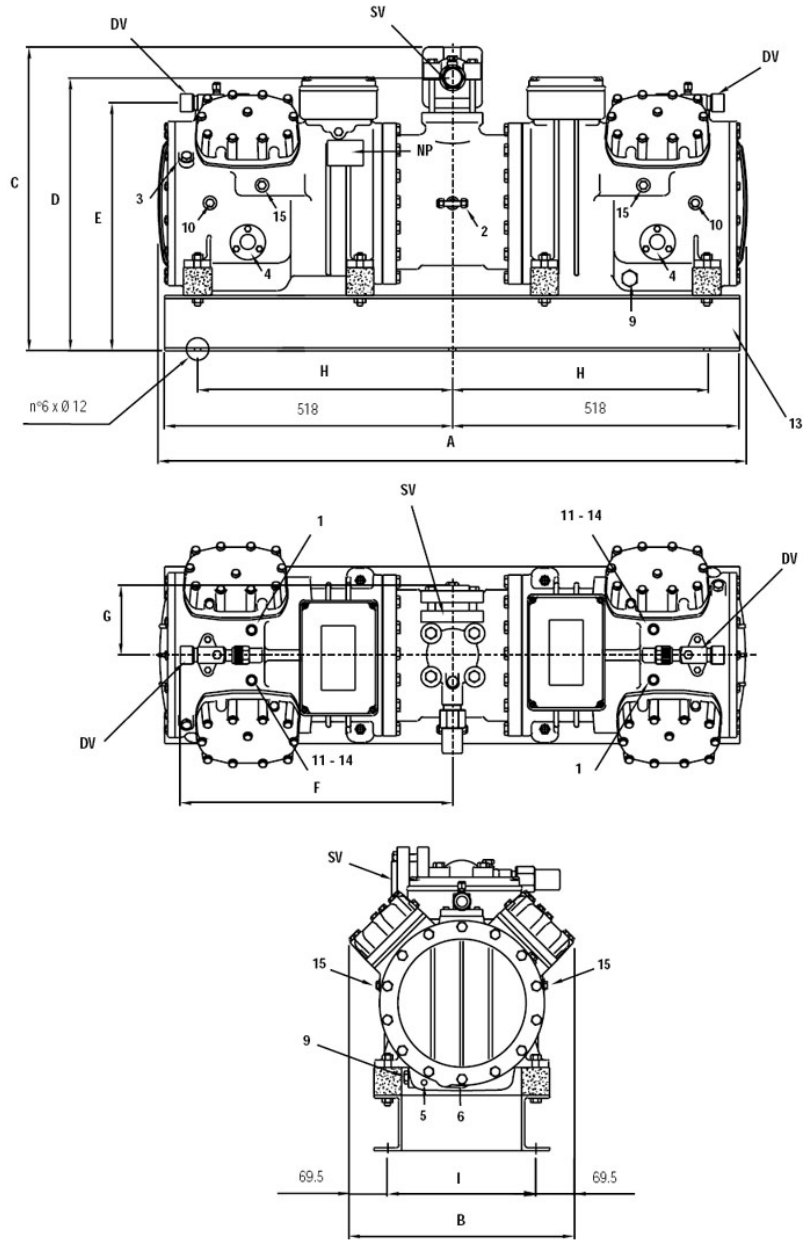
Cooling capacity [W]

$t_c \setminus t_e$	-5	-10	-15	-20	-25	-30	-35	-40	-45
30	6 040	50 360	41 480	33 880	27 320	21 820	17 080	13 140	9 560
40	52 500	43 660	35 840	29 120	23 320	18 460	14 240	10 740	7 560
45	-	40 160	32 900	26 660	21 240	16 720	12 780	9 520	6 560
50	-	36 340	29 700	23 980	19 020	14 860	11 260	8 260	-

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



A	1059 mm
B	405 mm
C	546 mm
D	491 mm
E	448 mm
F	478 mm
G	125 mm
H	305 mm
I	266 mm

