

Type: Semi-hermetic piston tandem compressors

Producer: Frascold

Series: SS

Model: SS 15 51 Y

Technical data

Nominal motor power [kW/HP]:	22 / 30
Cylinder count:	8
Displacement [m ³ /h]:	100,86
Cylinder capacity [cm ³]:	144,92
Cylinder bore [mm]:	62
Cylinder stroke [mm]:	48
RPM [min ⁻¹]:	1450
Weight net [kg]:	257
Weight gross [kg]:	283
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]:	118	77,8
Max. operating current [A]:	31	31

Connections

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

R22

Cooling capacity [W]

$t_c \setminus t_e$	12.5	7.5	5	0	-5	-10	-15	-20	-25	-30
30	139 000	116 240	106 060	87 280	71 200	57 440	45 740	35 860	27 600	20 760
40	126 020	105 040	95 640	78 220	63 340	50 640	39 880	30 860	23 340	17 200
45	119 340	99 300	90 320	73 620	59 340	47 220	36 960	28 380	21 280	15 480
50	112 540	93 460	84 900	68 940	55 340	43 800	34 060	25 940	19 240	13 820

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
50	71 680	59 160	53 580	43 560	34 960	27 600	21 360	16 060
60	32 000	51 000	46 060	37 220	29 600	23 080	17 520	12 820
70	52 040	42 620	38 380	30 740	24 160	18 520	13 700	9 600
80	41 720	33 980	30 480	24 180	18 700	13 980	9 960	6 520

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R404A/R507

Cooling capacity [W]

$t_c \setminus t_e$	7.5	5	0	-5	-10	-15	-20	-25	-30
30	121 660	111 540	93 600	78 020	64 820	53 120	43 120	34 460	27 240
40	105 620	96 780	81 080	67 400	55 760	45 460	36 620	28 980	22 560
45	97 220	89 060	74 540	61 880	51 080	41 500	33 280	26 160	20 180
50	87 980	80 580	67 380	55 820	45 960	37 220	29 680	23 160	17 680

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R407C

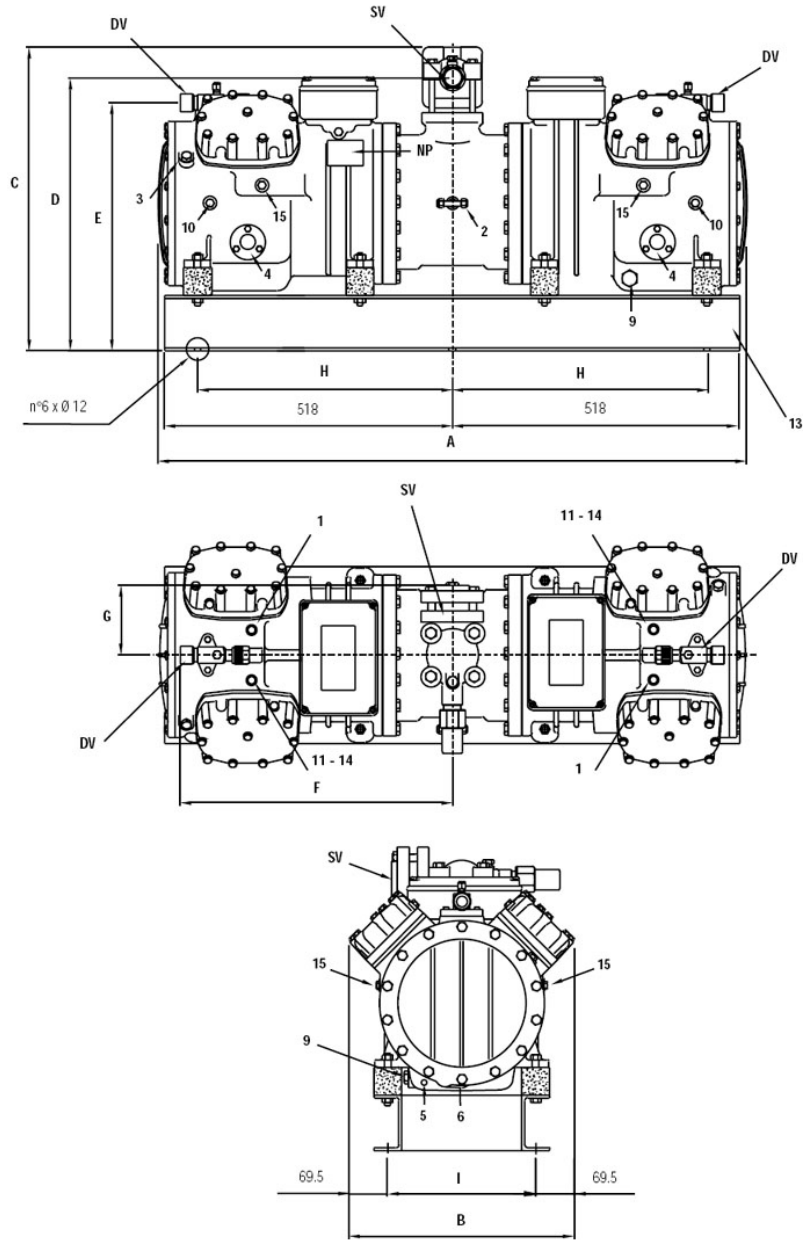
Cooling capacity [W]

$t_c \setminus t_e$	12.5	7.5	5	0	-5	-10	-15	-20	-25
30	138 800	115 260	104 800	86 100	70 060	56 360	44 700	34 820	26 500
40	123 720	102 440	92 980	76 020	61 480	49 020	38 420	29 440	21 860
45	115 840	95 760	86 800	70 780	57 000	45 220	35 160	26 640	19 460
50	107 700	88 840	80 440	65 380	52 420	41 320	31 840	23 820	17 040

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

