

Type: Semi-hermetic piston tandem compressors

Producer: Frascold

Series: SS

Model: SS 10 39 Y

Technical data

Nominal motor power [kW/HP]:	15 / 20
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]:	245
Weight gross [kg]:	271
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]:	86,1	56,8
Max. operating current [A]:	21	21

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	109 340	91 240	83 140	68 560	56 000	45 200	35 980	28 180	21 600	16 160
40	98 220	81 660	74 240	60 900	49 400	39 560	31 160	24 060	18 140	13 260
45	92 580	76 800	69 740	57 020	46 080	36 720	28 740	22 040	16 440	11 860
50	86 860	71 900	65 180	53 140	42 760	33 900	26 360	20 040	14 780	10 520

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	55 880	46 220	41 900	34 180	27 540	21 880	17 060	12 960
60	48 500	40 000	36 200	29 360	23 500	18 460	14 180	10 540
70	40 880	33 600	30 320	24 440	19 360	15 000	11 300	8 140
80	32 940	26 980	24 280	19 400	15 180	11 540	8 440	5 780

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	93 520	85 800	72 120	60 260	50 180	41 280	33 640	27 060	21 540
40	81 420	74 680	62 700	52 280	43 400	35 560	28 820	22 980	18 100
45	75 060	68 840	57 760	48 100	39 880	32 580	26 300	20 880	16 320
50	68 040	62 400	52 340	43 540	36 020	29 340	23 600	18 620	14 440

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R407C

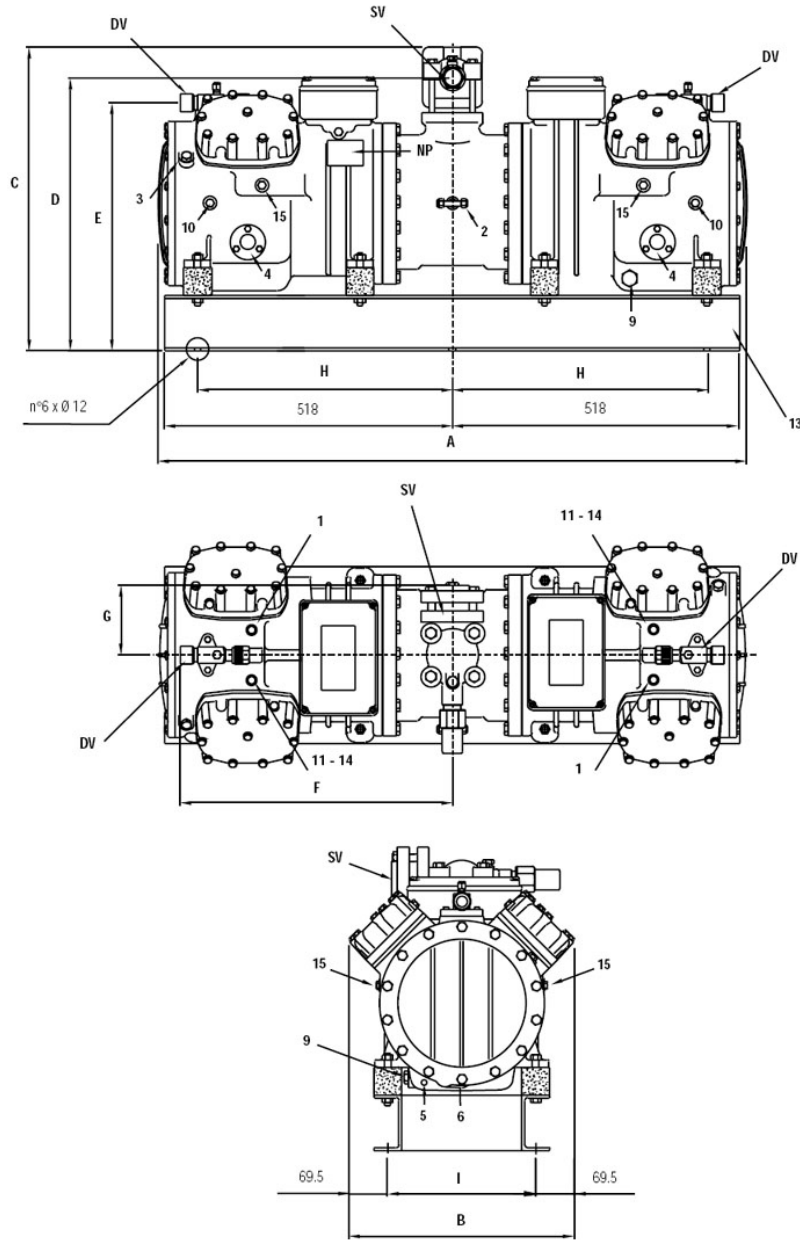
Cooling capacity [W]

$t_c \setminus t_e$	12.5	7.5	5	0	-5	-10	-15	-20	-25
30	110 080	91 400	83 100	68 260	55 520	44 640	35 380	27 540	20 920
40	98 100	81 200	76 680	60 220	48 660	38 780	30 380	23 240	17 220
45	91 820	75 880	68 780	56 040	45 100	35 760	27 780	21 020	15 300
50	85 360	70 380	63 720	51 740	41 460	32 640	25 140	18 760	13 360

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

