

Type: Semi-hermetic piston tandem compressors

Producer: Frascold

Series: SS

Model: SS 7 33 Y

Technical data

Nominal motor power [kW/HP]:	11 / 15
Cylinder count:	8
Displacement [m ³ /h]:	65,6
Cylinder capacity [cm ³]:	94,25
Cylinder bore [mm]:	50
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]

$t_c \setminus t_e$	12.5	7.5	5	0	-5	-10	-15	-20	-25	-30
30	91 600	76 360	69 520	57 260	46 680	37 840	30 220	23 720	18 220	13 640
40	81 700	67 820	61 620	50 440	40 840	33 080	26 320	20 540	15 600	11 480
45	76 720	63 540	57 640	47 040	37 940	30 680	24 360	10 920	14 280	10 400
50	71 700	59 260	53 680	43 640	35 040	28 300	22 400	17 300	12 940	9 320

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	47 700	39 380	35 660	29 000	23 280	18 400	14 260	10 740
60	41 280	33 960	30 680	24 800	19 740	15 400	11 720	8 580
70	34 660	28 400	25 580	20 500	16 140	12 380	9 180	6 460
80	27 800	22 660	20 340	16 140	12 500	9 380	6 700	4 400

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	79 880	73 220	61 420	51 180	42 480	34 780	28 200	22 500	17 740
40	69 300	63 480	53 160	44 160	36 500	29 700	23 900	18 860	14 640
45	63 760	58 400	48 840	40 500	33 380	27 080	21 680	17 000	13 060
50	-	-	44 120	36 520	30 020	24 260	19 300	15 000	11 400

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R407C

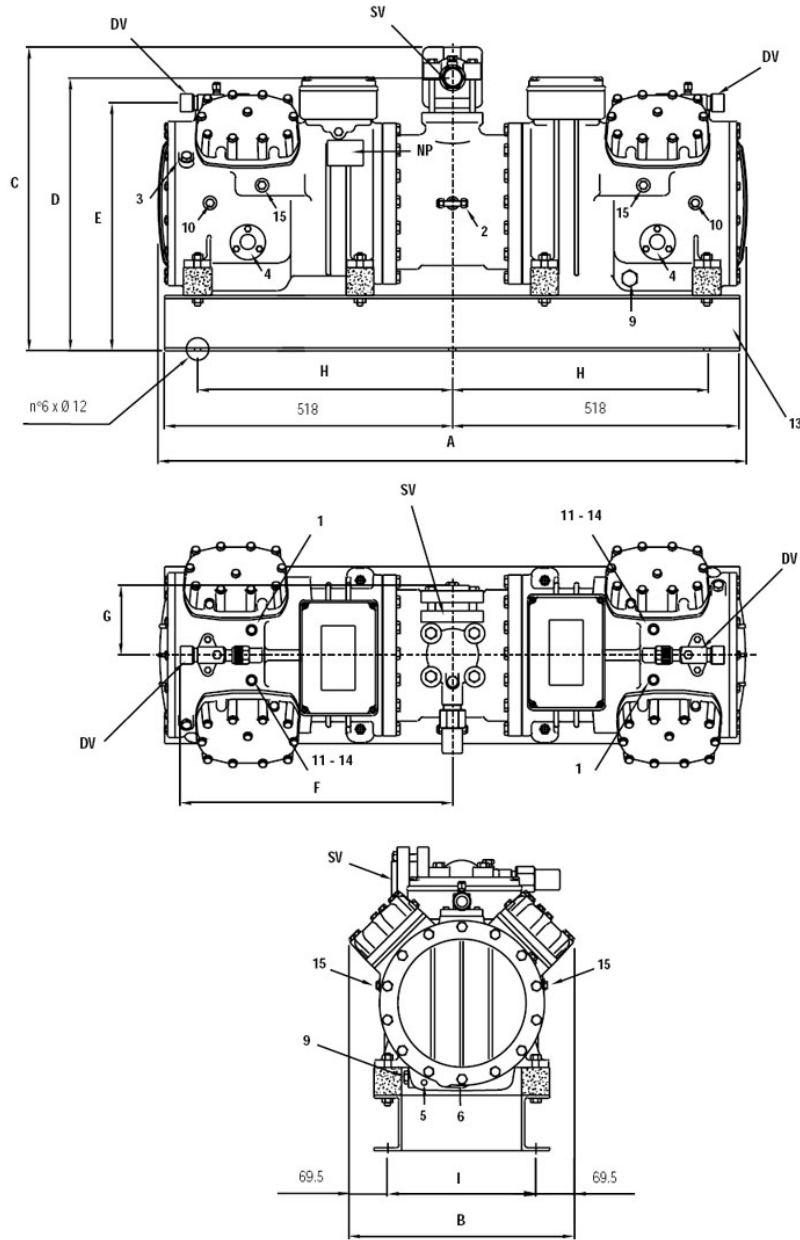
Cooling capacity [W]

$t_c \setminus t_e$	12.5	7.5	5	0	-5	-10	-15	-20	-25
30	93 020	77 220	70 200	57 640	46 860	37 660	29 820	23 200	17 600
40	82 860	68 560	62 220	50 820	41 040	32 680	25 560	19 520	14 440
45	77 540	64 060	58 040	47 280	38 020	30 100	23 360	17 640	12 800
50	72 060	59 400	53 760	43 640	34 920	27 460	21 120	15 720	11 160

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

