

Type: Semi-hermetic piston tandem compressors

Producer: Frascold

Series: SS

Model: SS 15 56 Y

Technical data

Nominal motor power [kW/HP]:	22 / 30
Cylinder count:	8
Displacement [m ³ /h]:	112
Cylinder capacity [cm ³]:	160,85
Cylinder bore [mm]:	64
Cylinder stroke [mm]:	50
RPM [min ⁻¹]:	1450
Weight net [kg]:	266
Weight gross [kg]:	291
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 \ t _e	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
30	117 720	98 380	81 480	66 740	53 960	42 940	33 540	25 600	18 980	13 560	9 120
40	106 160	88 620	73 220	59 740	48 020	37 900	28 240	21 960	15 940	11 020	7 080
45	100 260	83 620	68 980	56 140	44 940	35 300	27 040	20 120	14 400	9 780	6 100
50	94 240	78 520	64 640	52 460	41 820	32 660	24 820	18 260	12 880	8 560	-

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	103 300	85 740	77 920	63 940	51 960	41 760	33 120	25 800
40	92 940	76 980	69 860	57 100	46 180	36 860	28 960	22 260
45	87 620	72 480	65 720	53 620	43 240	34 360	26 840	20 460
50	82 240	67 940	61 540	50 080	40 240	31 820	24 680	18 620

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R404A/R507

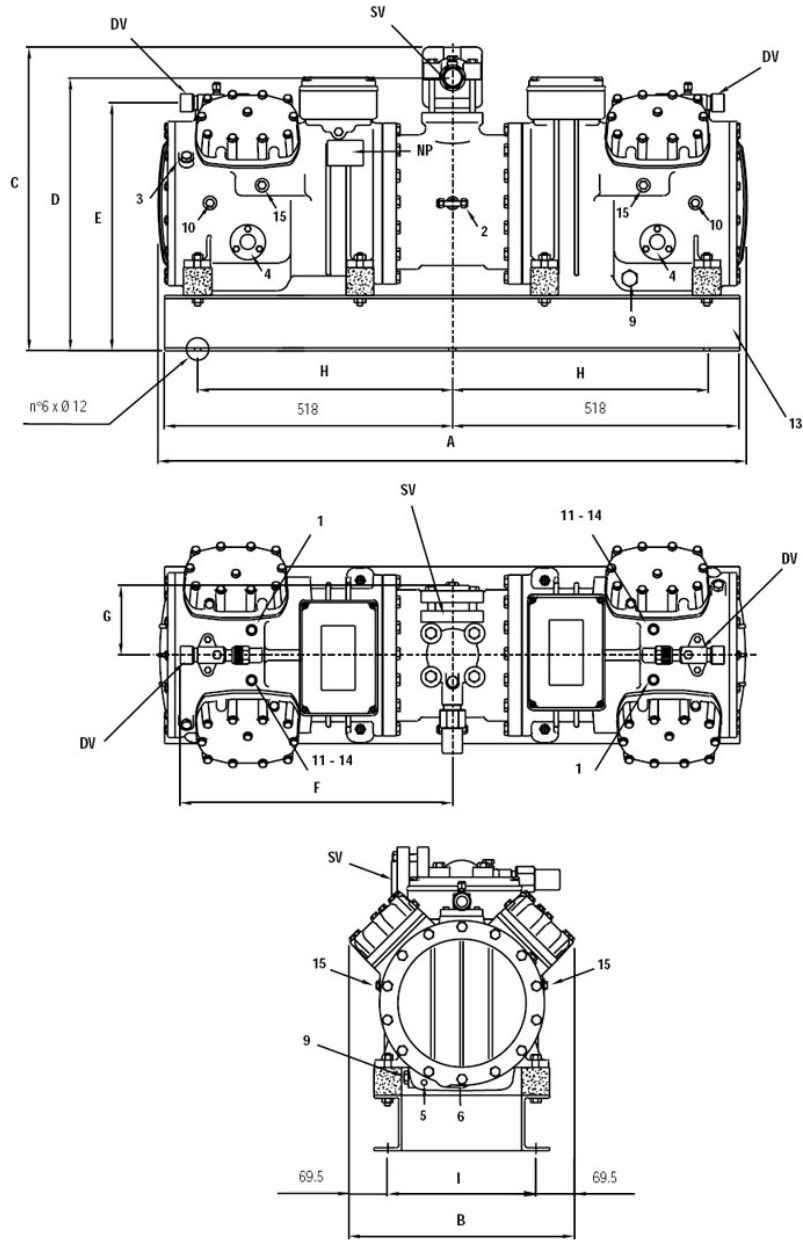
Cooling capacity [W]

$t_c \setminus t_e$	-5	-10	-15	-20	-25	-30	-35	-40	-45
30	89 420	74 340	61 000	49 600	39 720	31 460	24 320	18 400	13 020
40	77 360	64 080	52 320	42 240	33 500	26 200	19 860	14 600	9 820
45	71 060	58 740	47 820	38 440	30 320	23 500	17 600	12 700	8 240
50	64 180	52 940	42 940	34 360	26 920	20 660	15 240	10 720	-

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

