

Type: Semi-hermetic piston tandem compressors

Producer: Frascold

Series: ZZ

Model: ZZ 30 126 Y

Technical data

Nominal motor power [kW/HP]:	44 / 60
Cylinder count:	12
Displacement [m ³ /h]:	251,44
Cylinder capacity [cm ³]:	240,85
Cylinder bore [mm]:	74
Cylinder stroke [mm]:	56
RPM [min ⁻¹]:	1450
Weight net [kg]:	469
Weight gross [kg]:	513
Oil charge [dm ³]:	15

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]:	185	122
Max. operating current [A]:	53	53

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	67	2 5/8"
Discharge line:	35	1 3/8"

R22

Cooling capacity [W]

$t_c \setminus t_e$	-5	-10	-15	-20	-25	-30	-35	-40
30	180 760	149 400	119 940	95 280	74 740	57 820	43 980	32 740
40	162 260	133 760	106 960	84 520	65 900	50 560	38 060	27 940
45	153 000	125 960	100 480	79 180	61 500	46 980	35 140	25 580
50	143 720	118 140	94 020	73 860	57 140	43 420	32 260	-

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	230 760	191 520	174 040	142 780	116 040	93 220	73 900	57 520
40	207 580	171 900	155 980	127 500	103 100	82 260	64 580	49 600
45	195 700	161 860	146 740	119 680	96 460	76 640	59 800	45 540
50	183 640	151 660	137 360	111 740	89 760	70 960	55 000	41 460

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R404A/R507

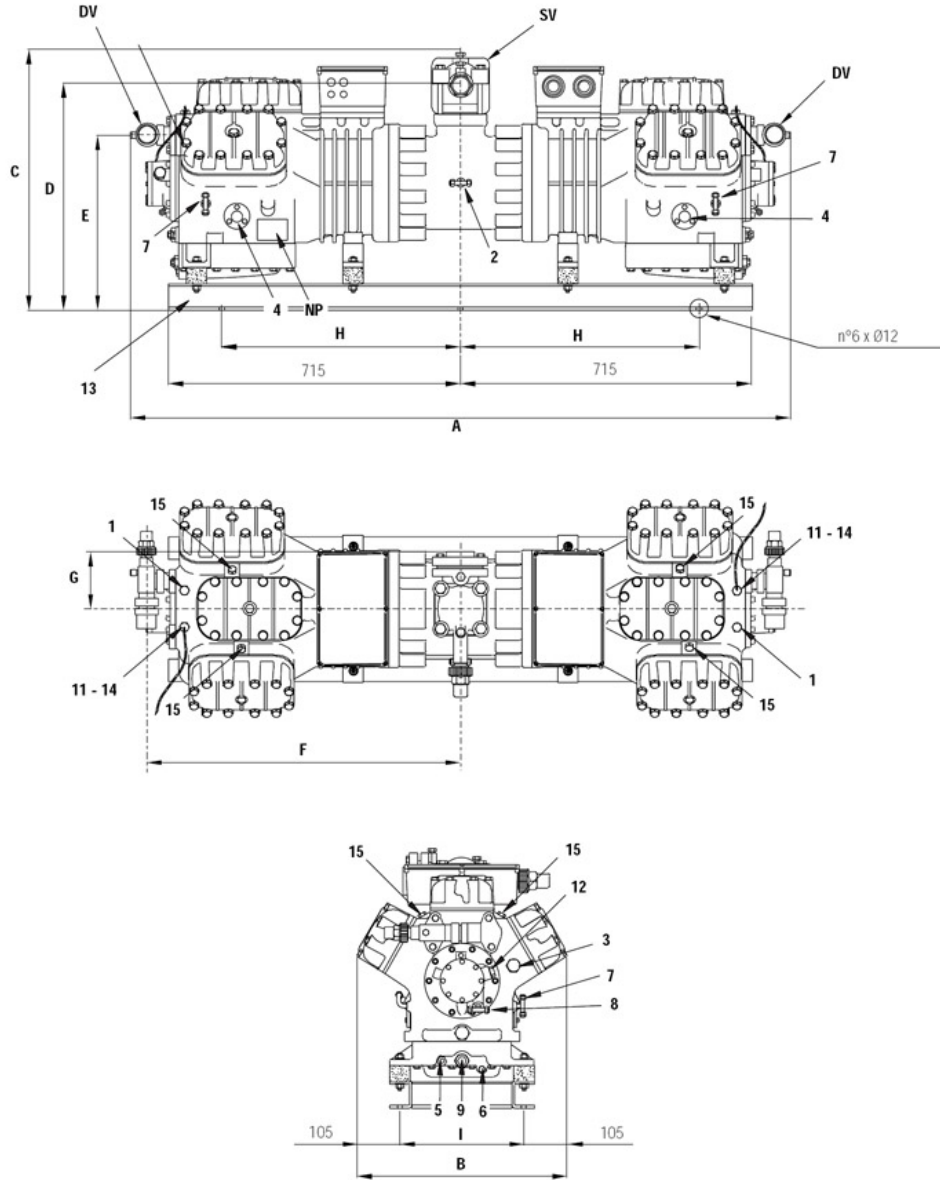
Cooling capacity [W]

$t_c \setminus t_e$	-10	-15	-20	-25	-30	-35	-40	-45
30	164 840	135 380	110 160	88 360	70 100	54 340	41 240	29 360
40	142 260	116 280	94 000	74 720	58 560	44 560	32 940	22 400
45	-	-	106 380	85 660	67 700	52 640	39 600	28 760
50	-	-	95 640	76 660	60 200	46 400	34 420	-

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



A	1617 mm
B	515 mm
C	635 mm
D	550 mm
E	429 mm
F	769 mm
G	143 mm
H	585 mm
I	305 mm

