

Type: Semi-hermetic piston tandem compressors

Producer: Frascold

Series: WW

Model: WW 60 206 Y

Technical data

Nominal motor power [kW/HP]:	89 / 120
Cylinder count:	16
Displacement [m ³ /h]:	411,6
Cylinder capacity [cm ³]:	295,74
Cylinder bore [mm]:	82
Cylinder stroke [mm]:	56
RPM [min ⁻¹]:	1450
Weight net [kg]:	648
Weight gross [kg]:	700
Oil charge [dm ³]:	16

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]:	366	241
Max. operating current [A]:	114	114

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	105	4 1/8"
Discharge line:	54	2 1/8"

R22

Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25	-30	-35	-40
30	369 280	307 800	249 560	200 500	159 420	125 240	97 080	74 040	55 320
40	330 240	274 800	221 360	176 540	139 180	108 280	82 960	62 380	45 820
45	310 840	258 420	207 440	164 780	129 300	100 040	76 140	56 820	41 320
50	291 500	242 080	193 620	153 140	119 580	91 980	69 520	51 440	-

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	375 040	311 300	282 900	232 120	188 680	151 620	120 220	93 620
40	337 400	279 460	253 600	207 320	167 680	133 840	105 120	80 780
45	318 140	263 160	238 620	194 640	156 940	124 740	97 400	74 220
50	298 560	246 620	223 400	181 780	146 060	115 520	89 580	67 600

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R404A/R507

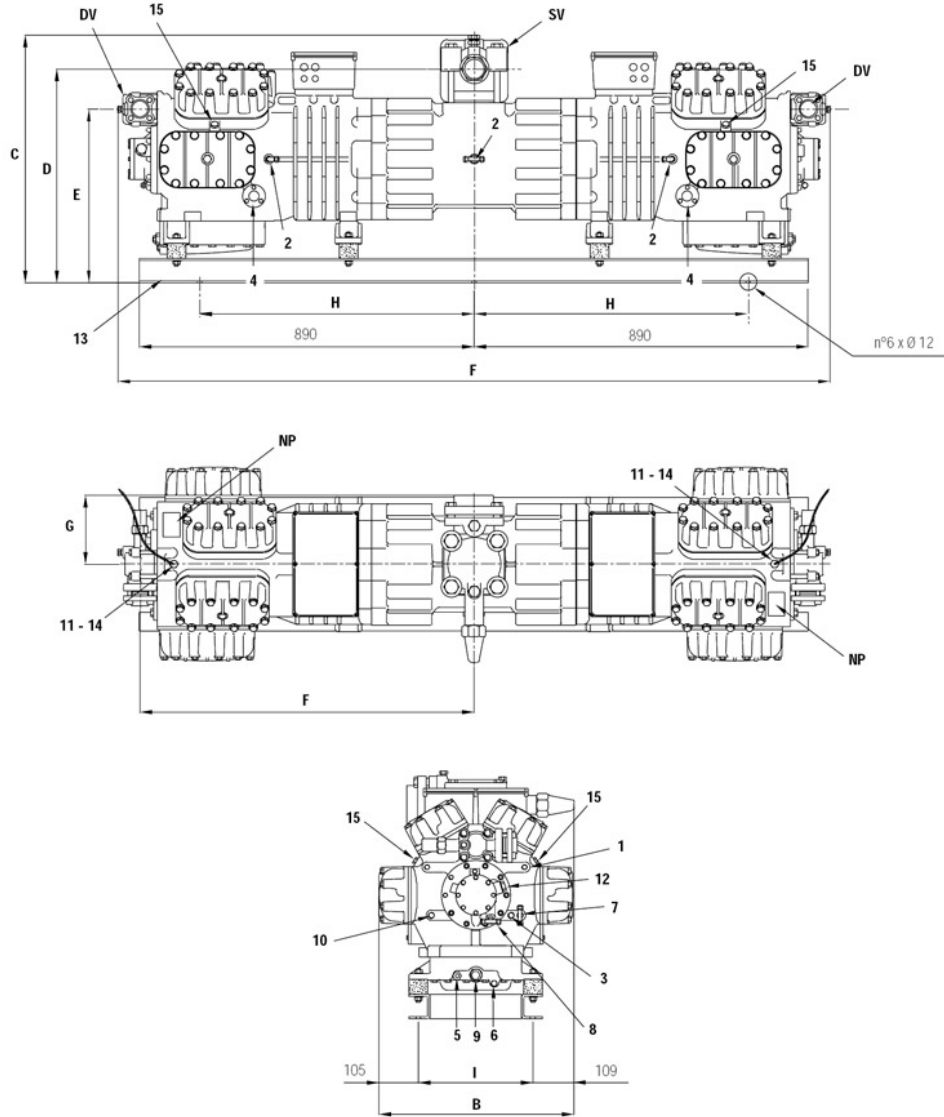
Cooling capacity [W]

$t_c \setminus t_e$	-5	-10	-15	-20	-25	-30	-35	-40
30	333 820	277 740	228 160	185 700	149 000	118 300	91 740	69 700
40	289 160	239 780	196 060	158 560	126 080	98 880	75 340	55 780
45	265 840	220 020	179 400	144 520	114 300	88 960	67 000	48 760
50	240 320	198 480	161 320	129 400	101 700	78 440	58 280	-

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



A	1895 mm
B	519 mm
C	660 mm
D	568 mm
E	462 mm
F	889 mm
G	183 mm
H	730 mm
I	305 mm

