

Type: Semi-hermetic piston tandem compressors

Producer: Frascold

Series: WW

Model: WW 70 206 Y

Technical data

Nominal motor power [kW/HP]:	104 / 140
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]:	656
Weight gross [kg]:	708
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]:	475	313
Max. operating current [A]:	125	125

Connections

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

R22

Cooling capacity [W]

$t_c \setminus t_e$	12.5	7.5	5	0	-5	-10	-15	-20
30	560 560	473 520	434 440	363 960	302 960	244 340	195 160	154 180
40	504 100	425 500	390 160	326 380	271 120	216 960	171 760	134 300
45	475 880	401 500	368 040	307 620	255 260	203 400	160 240	124 580
50	447 600	377 460	345 900	288 840	239 380	189 920	148 860	115 040

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	288 900	238 340	215 740	175 220	140 460	110 740	85 500	64 100
60	249 680	205 200	185 280	149 480	118 700	92 340	69 920	50 880
70	209 320	171 220	154 080	123 240	96 640	73 800	54 360	37 800
80	167 580	136 300	122 160	96 620	74 500	55 440	39 160	25 260

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	0	-5	-10	-15	-20	-25	-30
30	468 160	392 900	327 560	272 100	223 080	181 100	144 780	114 420
40	406 300	340 400	283 020	234 180	190 940	153 860	121 760	94 860
45	373 900	312 980	259 800	214 480	174 320	139 840	109 940	84 880
50	338 280	282 900	234 460	193 080	156 340	124 760	97 360	74 360

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R407C

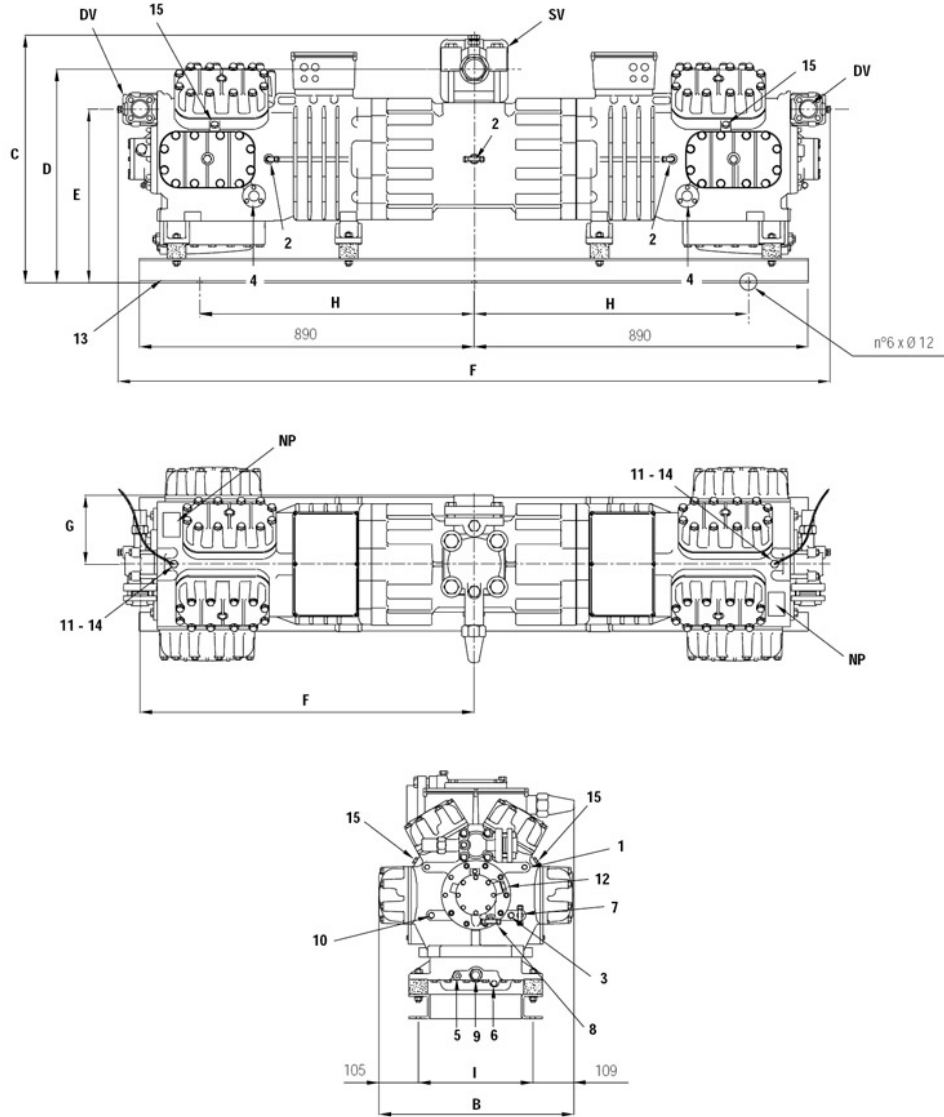
Cooling capacity [W]

$t_c \setminus t_e$	12.5	7.5	5	0	-5	-10	-15	-20	-25
30	565 400	470 280	428 020	352 400	287 560	232 180	185 060	145 120	111 480
40	505 420	419 400	381 140	312 600	253 720	203 400	160 560	124 200	93 560
45	474 020	392 780	356 620	291 800	236 100	188 440	147 840	113 380	84 320
50	441 540	365 300	331 340	270 400	217 980	173 100	134 840	102 340	74 940

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

