

Type: Semi-hermetic piston tandem compressors

Producer: Frascold

Series: ZZ

Model: ZZ 40 126 Y

Technical data

Nominal motor power [kW/HP]:	60 / 80
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]:	480
Weight gross [kg]:	524
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]:	263	173
Max. operating current [A]:	75	75

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	79	3 1/8"
Discharge line:	42	1 5/8"

R22

Cooling capacity [W]

$t_c \setminus t_e$	12.5	7.5	5	0	-5	-10	-15	-20
30	342 620	289 520	265 660	219 500	180 180	146 740	118 420	94 560
40	309 860	261 640	239 960	197 540	161 460	130 840	104 980	83 260
45	293 380	247 620	227 040	186 540	152 120	122 940	98 320	77 680
50	276 780	233 520	214 040	175 480	142 760	115 060	91 700	72 160

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	181 720	149 740	135 440	109 820	87 840	69 040	53 060	39 520
60	156 780	128 640	116 020	93 380	73 920	57 240	43 060	31 020
70	131 140	107 020	96 180	76 680	59 860	45 400	33 100	22 620
80	104 680	84 880	75 940	59 780	45 780	33 720	23 420	14 640

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	308 660	282 980	237 480	197 960	164 420	134 780	109 400	87 440	69 080
40	268 000	245 560	205 720	171 020	141 480	115 340	92 920	73 500	57 240
45	246 680	225 960	189 120	156 960	129 560	105 280	84 420	66 360	51 200
50	223 200	204 420	170 940	141 640	116 620	94 400	75 320	58 740	44 840

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R407C

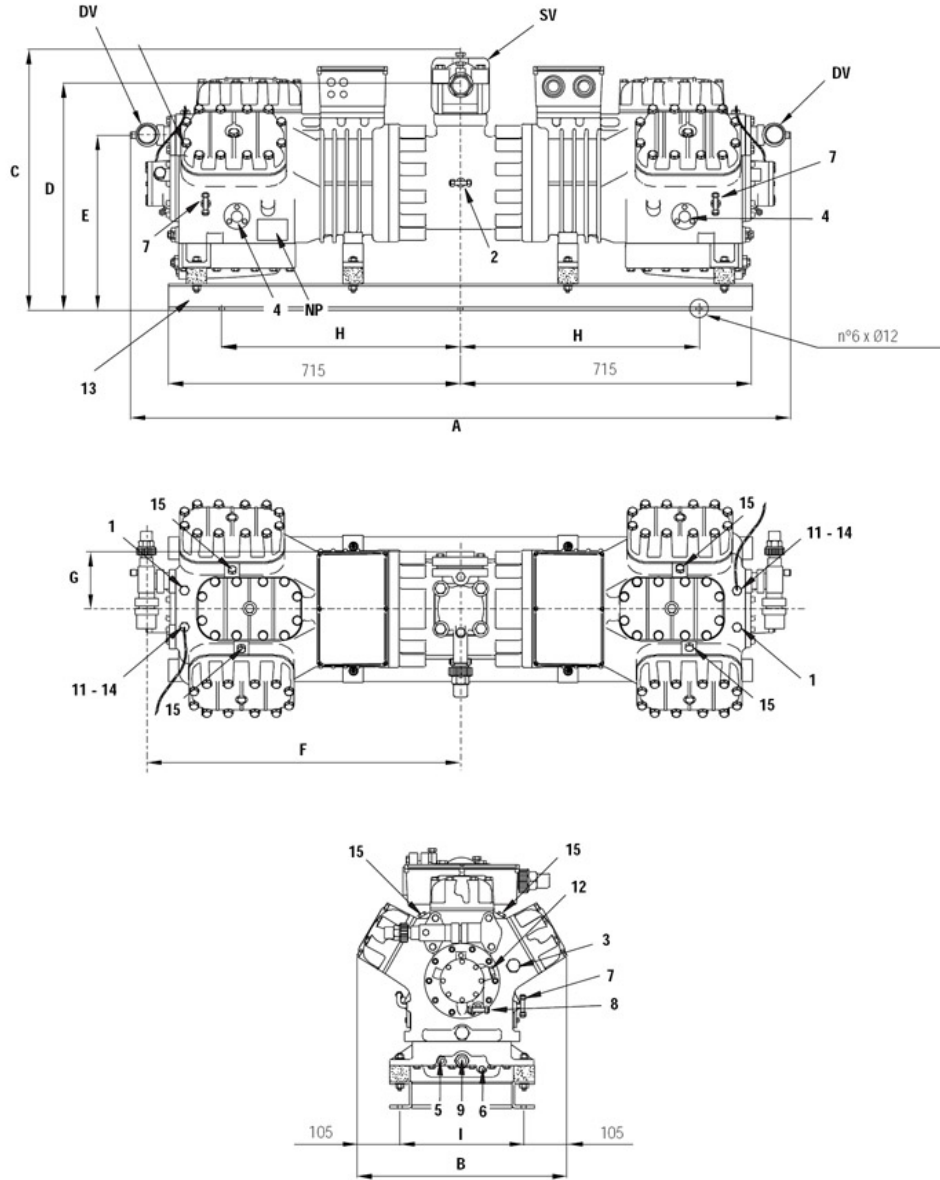
Cooling capacity [W]

$t_c \setminus t_e$	12.5	7.5	5	0	-5	-10	-15	-20	-25
30	351 020	291 580	265 200	217 960	177 440	142 840	113 400	88 460	67 440
40	313 080	259 340	235 440	192 620	155 840	124 420	97 640	74 940	55 800
45	293 220	242 480	219 900	179 400	144 600	114 840	89 480	67 960	49 800
50	272 720	225 100	203 880	165 820	133 080	105 040	81 140	60 860	43 720

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	151 mm
H	585 mm
I	305 mm

