

Type: Semi-hermetic piston tandem compressors

Producer: Frascold

Series: VV

Model: VV 30 84 Y

Technical data

Nominal motor power [kW/HP]:	44 / 60
Cylinder count:	8
Displacement [m ³ /h]:	167,62
Cylinder capacity [cm ³]:	240,85
Cylinder bore [mm]:	74
Cylinder stroke [mm]:	56
RPM [min ⁻¹]:	1450
Weight net [kg]:	374
Weight gross [kg]:	402
Oil charge [dm ³]:	9

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]

$t_c \setminus t_e$	12.5	7.5	5	0	-5	-10	-15	-20	-25	-30
30	233 040	196 920	180 700	148 420	121 120	98 020	78 600	62 360	48 860	37 740
40	211 880	178 900	164 080	133 960	108 560	87 200	69 300	54 440	42 160	32 120
45	201 140	169 780	155 660	126 680	102 300	81 820	64 740	50 560	38 920	29 420
50	190 280	160 540	147 140	119 360	96 020	76 480	60 200	46 760	35 740	26 800

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	201 940	185 220	155 580	129 860	108 020	88 720	72 180	57 900	45 940
40	175 600	161 000	135 040	112 440	93 220	76 200	61 600	48 960	38 360
45	161 780	148 300	124 300	103 360	85 520	69 700	56 120	44 360	34 500
50	146 540	134 300	112 500	93 420	77 120	62 660	50 240	38 440	30 400

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R407C

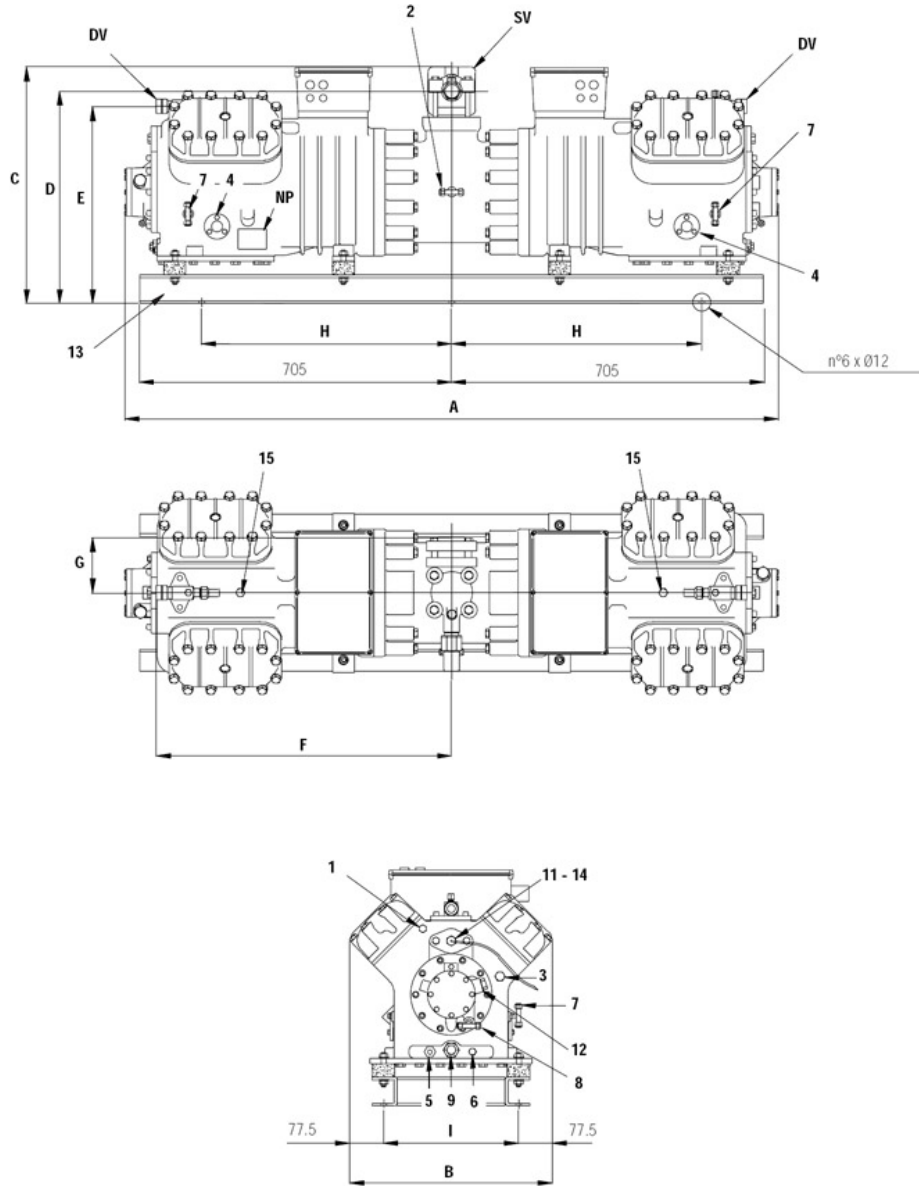
Cooling capacity [W]

$t_c \setminus t_e$	12.5	7.5	5	0	-5	-10	-15	-20	-25
30	230 500	161 540	174 220	143 260	116 700	94 020	74 720	58 380	44 580
40	205 700	170 480	154 800	126 740	102 620	82 020	64 480	49 580	37 040
45	192 720	159 460	144 660	118 120	95 300	75 780	59 160	45 050	33 140
50	179 320	148 100	134 200	109 240	87 780	69 400	53 720	40 420	29 200

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



A	1477 mm
B	460 mm
C	565 mm
D	494 mm
E	449 mm
F	672 mm
G	168 mm
H	565 mm
I	305 mm

