

Type: Semi-hermetic piston tandem compressors

Producer: Frascold

Series: QQ

Model: QQ 4 25 Y

Technical data

Nominal motor power [kW/HP]:	6 / 8
Cylinder count:	8
Displacement [m ³ /h]:	49,38
Cylinder capacity [cm ³]:	71
Cylinder bore [mm]:	54
Cylinder stroke [mm]:	31
RPM [min ⁻¹]:	1450
Weight net [kg]:	157
Weight gross [kg]:	162
Oil charge [dm ³]:	3,6

Electrical data

Power supply [V/~ /Hz]:	230V/3/50Hz Δ	400V/3/50Hz Y
Locked rotor current [A]:	85,7	49,5
Max. operating current [A]:	18,9	10,9

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	35	1 3/8"
Discharge line:	19	3/4"

R22

Cooling capacity [W]

$t_c \setminus t_e$	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
30	53 040	44 380	36 820	30 220	24 500	19 560	15 320	11 700	8 680	6 160	4 080
40	47 640	39 780	32 900	26 880	21 640	17 100	13 200	9 900	7 120	4 840	2 980
45	44 900	37 440	30 900	25 180	20 160	15 840	12 120	8 980	6 340	4 180	2 440
50	-	-	28 880	23 440	18 680	14 560	11 040	8 040	5 560	3 520	-

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	45 420	37 580	34 080	27 840	22 480	17 920	14 060	10 780
40	40 620	33 500	30 320	24 620	19 740	15 580	12 040	9 040
45	38 160	31 400	28 380	22 980	18 340	14 380	11 000	8 160
50	35 680	29 280	26 440	21 300	16 920	13 160	9 960	7 260

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R404A/R507

Cooling capacity [W]

$t_c \setminus t_e$	-10	-15	-20	-25	-30	-35	-40	-45
30	32 700	26 720	21 600	17 180	13 480	10 280	7 620	5 220
40	28 000	22 740	18 220	14 320	11 040	8 200	5 840	3 700
45	25 580	20 680	16 480	12 840	9 800	7 140	4 940	2 940
50	-	18 480	14 640	11 300	8 500	6 060	4 040	-

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R407C

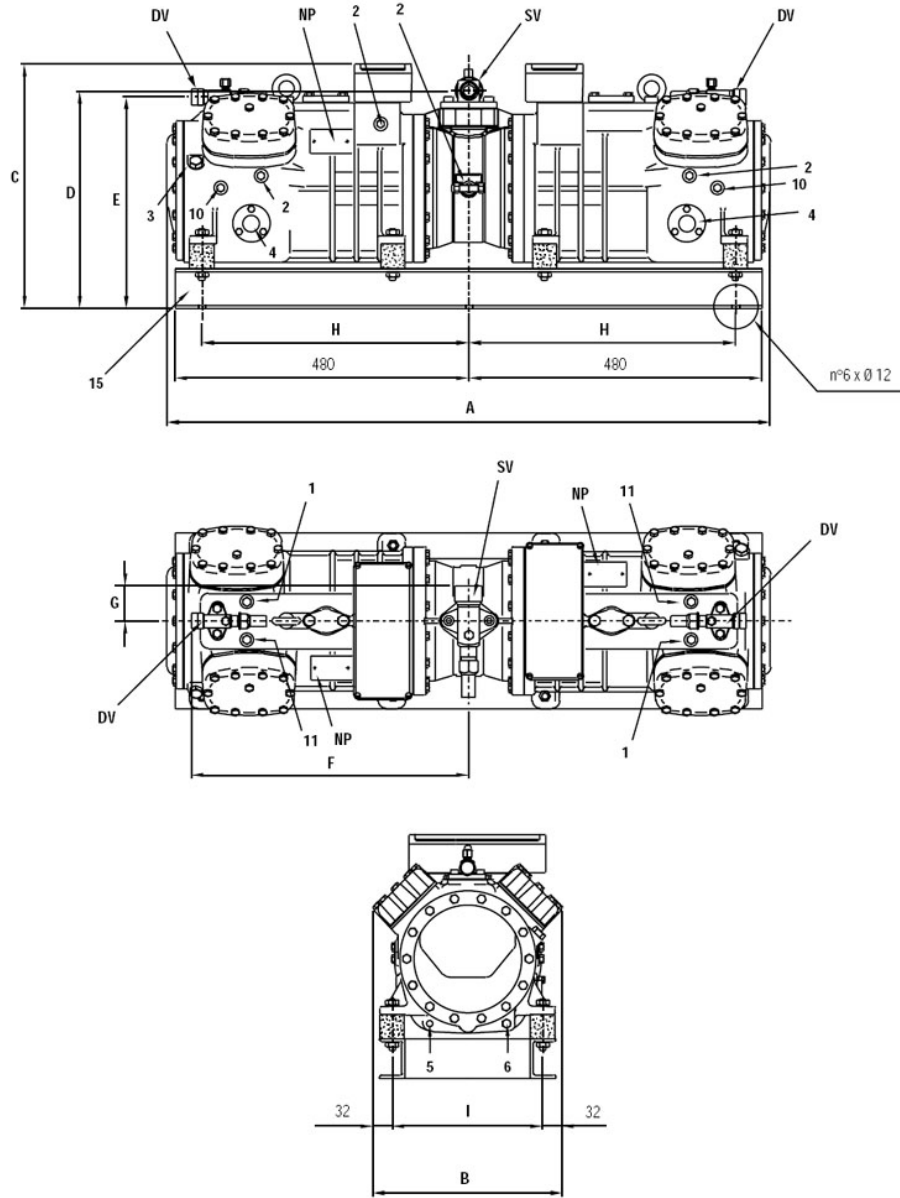
Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	43 540	35 520	28 660	22 820	17 880	13 720
40	38 600	31 300	25 080	19 780	15 280	11 480
45	36 020	29 120	23 220	18 180	13 920	10 320
50	-	26 860	21 300	16 560	12 540	9 160

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



A	986 mm
B	310 mm
C	399 mm
D	355 mm
E	345 mm
F	453 mm
G	58 mm
H	436 mm
I	246 mm

