

Type: Semi-hermetic piston tandem compressors

Producer: Frascold

Series: QQ

Model: QQ 7 28 Y

Technical data

Nominal motor power [kW/HP]:	11 / 15
Cylinder count:	8
Displacement [m ³ /h]:	55,76
Cylinder capacity [cm ³]:	80,16
Cylinder bore [mm]:	54
Cylinder stroke [mm]:	35
RPM [min ⁻¹]:	1450
Weight net [kg]:	161
Weight gross [kg]:	166
Oil charge [dm ³]:	3,6

Electrical data

Power supply [V/~Hz]:	230V/3/50Hz Δ	400V/3/50Hz Y
Locked rotor current [A]:	158	91,4
Max. operating current [A]:	30	17,5

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	42	1 5/8"
Discharge line:	28,6	1 1/8"

R22

Cooling capacity [W]

$t_c \setminus t_e$	12.5	7.5	5	0	-5	-10	-15	-20	-25	-30
30	78 040	65 480	59 840	49 760	41 070	33 480	26 980	21 400	16 620	12 600
40	70 400	58 900	53 720	44 540	36 560	29 660	23 700	18 580	14 200	10 520
45	66 520	55 560	50 620	41 880	34 300	27 700	22 020	17 160	12 980	9 480
50	62 580	52 160	47 480	39 200	32 000	25 740	20 340	15 720	11 760	8 460

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	40 140	32 920	29 700	23 900	18 940	14 680	11 080	8 020
60	34 380	28 020	25 180	20 060	15 660	11 900	8 680	5 960
70	28 480	23 040	20 600	16 180	12 380	9 120	6 340	3 960
80	22 460	17 980	15 960	12 320	9 160	6 420	4 100	2 100

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	69 200	63 380	53 100	44 160	36 580	29 860	24 120	19 160	15 000
40	59 900	54 820	45 820	37 980	31 300	25 380	20 300	15 920	12 240
45	55 040	50 360	42 020	34 760	28 560	23 060	18 360	14 260	10 840
50	49 700	45 460	37 880	31 260	25 600	20 580	16 260	12 520	9 360

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

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R407C

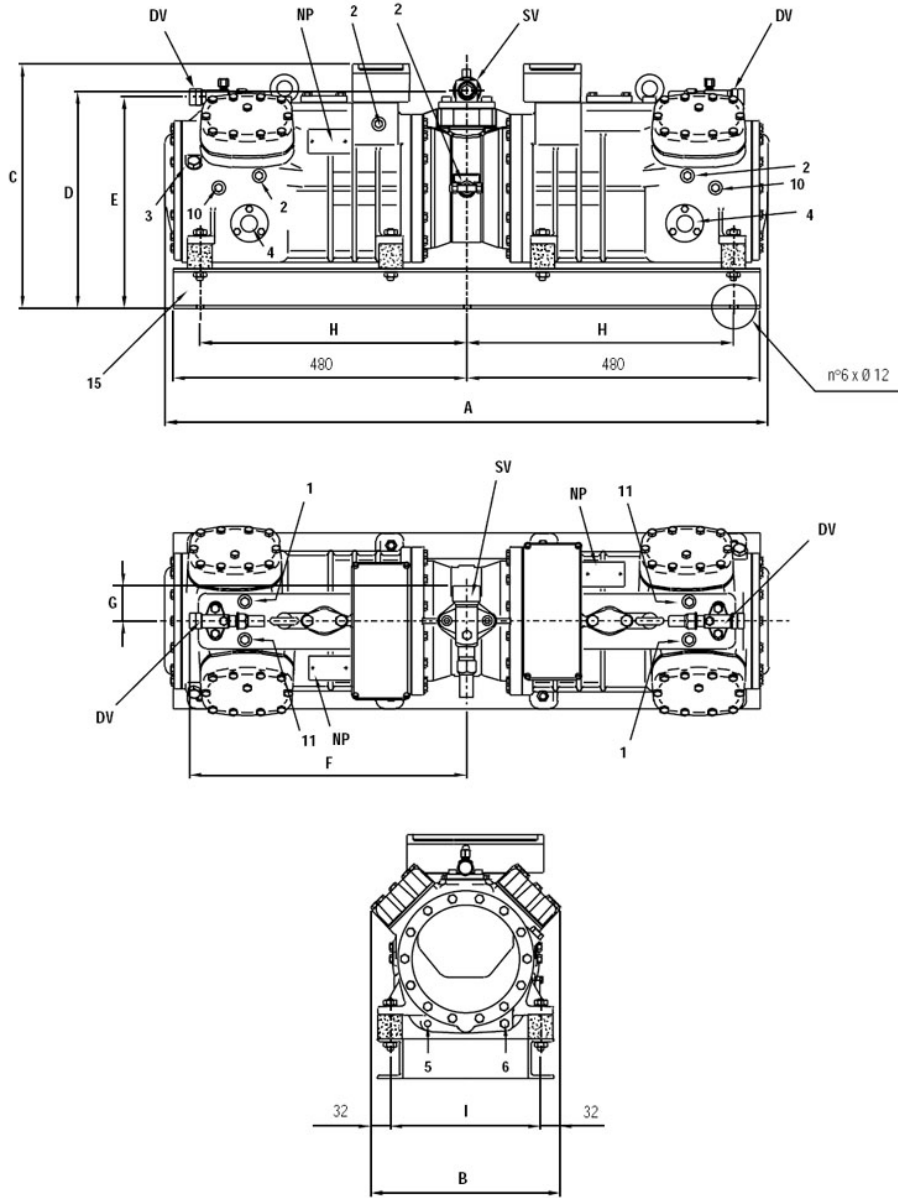
Cooling capacity [W]

$t_c \setminus t_e$	12.5	7.5	5	0	-5	-10	-15	-20	-25
30	76 760	63 760	57 980	47 640	38 780	31 200	24 760	19 300	14 700
40	67 440	56 680	51 440	42 080	34 040	27 160	21 300	16 320	12 140
45	64 080	52 980	48 040	39 180	31 560	25 060	19 500	14 780	10 820
50	59 600	49 180	44 540	36 200	29 040	22 900	17 660	13 220	9 480

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	349 mm
F	460 mm
G	61 mm
H	436 mm
I	246 mm

