Type: Semi-hermetic piston tandem compressors
Producer: Frascold
Series: QQ

Model: QQ 5 28 Y

Technical data

Nominal motor power [kW/HP]:	7,5 / 10
Cylinder count:	8
Displacement [m³/h]:	55,76
Cylinder capacity [cm³]:	80,16
Cylinder bore [mm]:	54
Cylinder stroke [mm]:	35
RPM [min^{-1}]:	1450
Weight net [kg]:	161
Weight gross [kg]:	166
Oil charge [dm³]:	3,6

Electrical data

Power supply [V/~/Hz]:	230V/3/50Hz Δ	400V/3/50Hz Y
Locked rotor current [A]:	98,6	56,9
Max. operating current [A]:	21,2	12,2

Connections

	milimeters	inches
Suction line:	42	1 5/8"
Discharge line:	22,2	7/8"

R22

Cooling capacity [W]

t_c \ t_e	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
30	47 680	39 560	32 480	26 340	21 020	16 460	12 580	9 340	6 620	4 400
40	43 100	35 640	29 100	23 420	18 500	14 280	10 700	7 700	5 220	3 220
45	40 720	33 600	27 360	21 900	17 200	13 160	9 740	6 880	4 520	2 640
50	38 300	31 520	25 560	20 380	15 880	12 020	8 760	6 040	3 840	-

Operating conditions: suction gas temperature 20ºC, 0K subcooling
t_c - Condensing temperature [ºC]
t_e - Evaporating temperature [ºC]

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R134a

Cooling capacity [W]

t_c \ t_e	12.5	7.5	5	0	-5	-10	-15	-20
30	52 000	43 220	39 300	32 300	26 300	21 200	16 860	13 200
40	46 880	38 880	35 320	28 940	23 480	18 800	14 840	11 500
45	44 260	36 680	33 280	27 220	22 020	17 580	13 820	10 620
50	41 580	34 420	31 220	25 480	20 560	16 340	12 760	9 740

Operating conditions: suction gas temperature 20ºC, 0K subcooling
t_c - Condensing temperature [ºC]
t_e - Evaporating temperature [ºC]

R404A/R507

Cooling capacity [W]

t_c \ t_e	-5	-10	-15	-20	-25	-30	-35	-40	-45
30	44 020	36 740	30 320	24 820	20 060	16 080	12 640	9 780	7 200
40	38 340	31 940	26 280	21 400	17 200	13 680	10 620	8 100	5 800
45	35 360	29 420	24 160	19 640	15 720	12 440	9 600	7 220	5 080
50	-	26 660	21 840	17 700	14 120	11 100	8 500	6 320	-

Operating conditions: suction gas temperature 20ºC, 0K subcooling
t_c - Condensing temperature [ºC]
t_e - Evaporating temperature [ºC]

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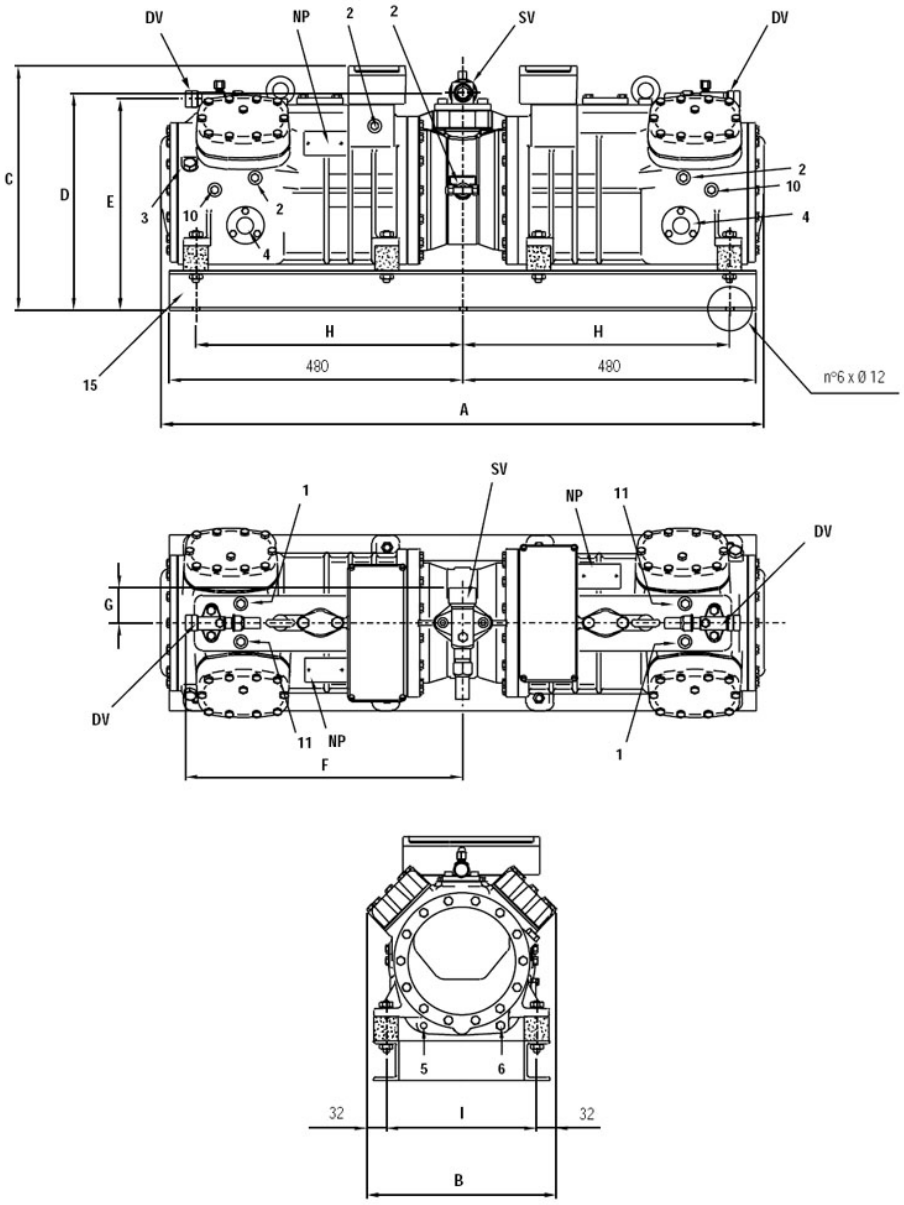
R407C

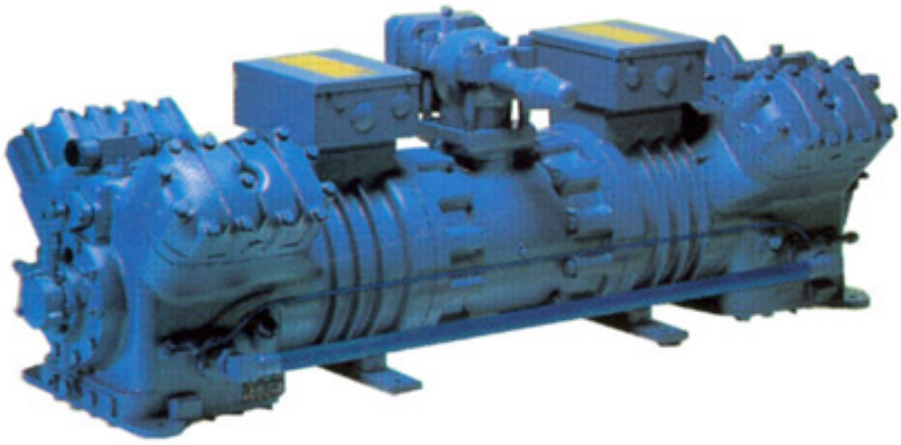
Cooling capacity [W]

t_c \ t_e	12.5	7.5	5	0	-5	-10	-15	-20	-25
30	78 860	65 640	59 760	49 260	40 240	32 540	26 000	20 440	15 760
40	70 580	58 620	53 300	43 780	35 600	28 600	22 640	17 600	13 340
45	-	-	49 920	40 920	33 180	26 540	20 900	16 120	12 080
50	-	-	-	37 960	30 680	24 440	19 120	14 620	10 800

Operating conditions: suction gas temperature 20ºC, 0K subcooling
t_c - Condensing temperature [ºC]
t_e - Evaporating temperature [ºC]



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



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