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

Model: SS 20 56 Y

Technical data

Nominal motor power [kW/HP]:	30 / 40
Cylinder count:	8
Displacement [m³/h]:	112
Cylinder capacity [cm³]:	160,85
Cylinder bore [mm]:	64
Cylinder stroke [mm]:	50
RPM [min^{-1}]:	1450
Weight net [kg]:	270
Weight gross [kg]:	295
Oil charge [dm³]:	6,6

Electrical data

	DOL Y Y	PWS Y / Y
Power supply [V/~/Hz]:	400V/3/50Hz	400V/3/50Hz
Locked rotor current [A]:	146	96,7
Max. operating current [A]:	37	37

Connections

	milimeters	inches
Suction line:	67	2 5/8"
Discharge line:	28,6	1 1/8"

R22

Cooling capacity [W]

t_c \ t_e	12.5	7.5	5	0	-5	-10	-15	-20	-25	-30
30	154 280	129 040	117 720	98 380	81 480	66 740	53 960	42 940	33 540	25 600
40	139 880	116 600	106 160	88 620	73 220	59 740	48 020	37 900	29 240	21 960
45	132 460	110 220	100 260	83 620	68 980	56 140	44 940	35 300	27 040	20 120
50	124 900	103 740	94 240	78 520	64 640	52 460	41 820	32 660	24 820	18 260

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

Phone : + 90 232 224 85 10-11
Address : Uluçreis Cd.No:6 Kısık Sanayi Sitesi Menderes/İZMİR
www.oncusogutma.com
Email address :info@oncusogutma.com

R134a

Cooling capacity [W]

t_c \ t_e	12.5	7.5	5	0	-5	-10	-15	-20
50	82 240	67 940	61 540	50 080	40 240	31 820	24 680	18 620
60	71 220	58 620	52 980	42 860	34 140	26 680	20 340	14 940
70	59 840	49 060	44 220	35 480	27 960	21 500	15 980	11 300
80	48 060	39 200	35 200	27 980	21 720	16 320	11 720	7 780

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	7.5	5	0	-5	-10	-15	-20	-25	-30
30	139 200	127 660	107 180	89 420	74 340	61 000	49 600	39 720	31 460
40	120 980	110 880	92 960	77 360	64 080	52 320	42 240	33 500	26 200
45	111 420	102 100	85 520	71 060	58 740	47 820	38 440	30 320	23 500
50	100 880	92 420	77 360	64 180	52 940	42 940	34 360	26 920	20 660

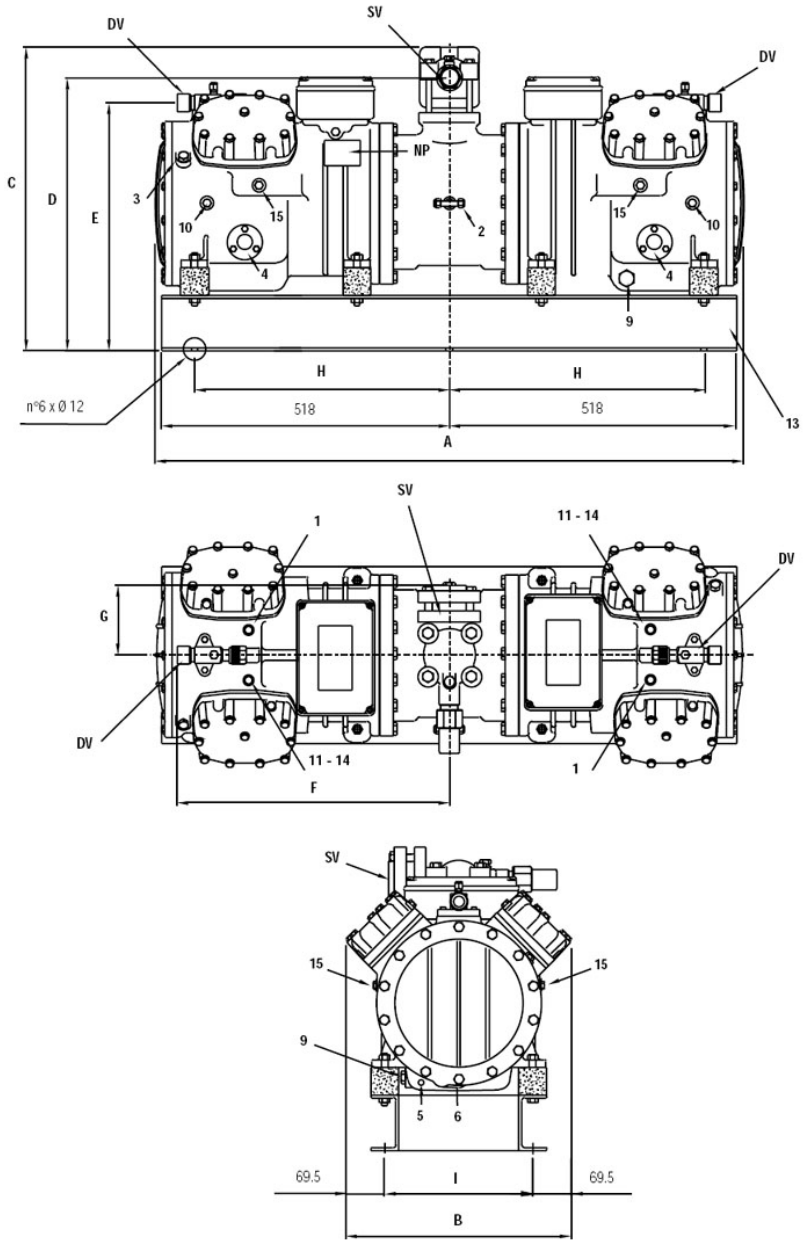
Operating conditions: suction gas temperature 20ºC, 0K subcooling
t_c - Condensing temperature [ºC]
t_e - Evaporating temperature [ºC]

R407C

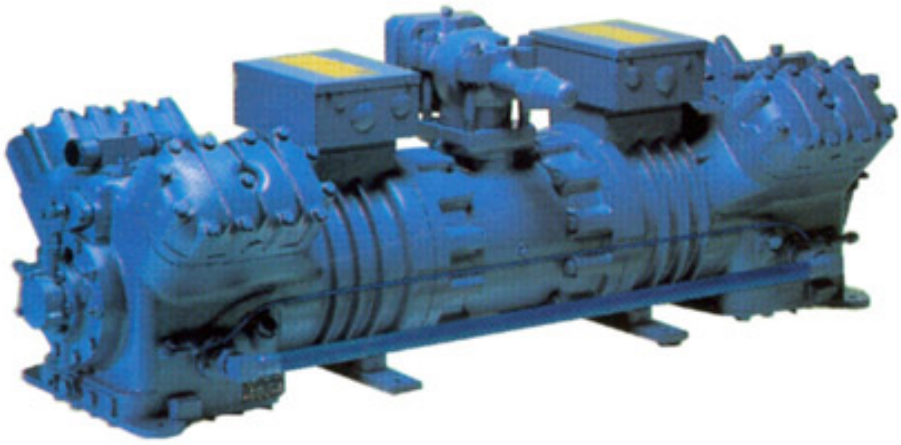
Cooling capacity [W]

t_c \ t_e	12.5	7.5	5	0	-5	-10	-15	-20	-25
30	155 960	129 780	118 140	97 320	79 480	64 220	51 260	40 260	31 000
40	139 520	115 840	105 300	86 420	70 220	56 360	44 580	34 560	26 120
45	130 900	108 540	98 580	80 740	65 400	52 280	41 100	31 620	23 620
50	122 000	101 000	91 660	74 880	60 440	48 080	67 540	28 600	21 060

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



A	1059 mm
B	405 mm
C	546 mm
D	491 mm
E	448 mm
F	478 mm
G	125 mm
H	305 mm
I	266 mm



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