

In modern warehousing the key word is effectiveness both in use of time and space. Ergonomic requirements add more challenges to warehouse planning. The new Rocla SSTac stacker answers to these challenges in one compact and effective unit. SSTac is an excellent choice for narrow aisles. Versatile selection of options increases using possibilities.



SSTac

Rocla

The intelligent way to move



- Efficient and reliable stacker for intense professional use
- Ergonomic designed driver's compartment and excellent visibility
- Hydraulic side stabilizers enable high residual capacities
- AC-drive motor – more efficiency, less need for maintenance
- PIN code and driver's personal settings as standard

SST12ac/SST16ac(i)/SST20ac

1	IDENTIFICATION				
1.1	Manufacturer		Rocla Oyj	Rocla Oyj	Rocla Oyj
1.2	Model		SST12ac	SST16ac(i)	SST20ac
1.3	Power source		Battery	Battery	Battery
1.4	Operating mode		Stand-on	Stand-on	Stand-on
1.5	Nominal capacity/load	Q [kg]	1200	1600	2000
1.6	Load center (COG)	c [mm]	600	600	600
1.8	Load wheel axle to fork face (forks lowered)	x [mm]	775	775 (755)	805
1.9	Wheelbase (forks lowered)	y [mm]	1440	1440 (1460)	1595
2	WEIGHTS				
2.1	Truck weight (with nominal load & battery)	[kg]	2775 *	3175 (3255) *	4415 *
2.2	Axle loadings (with load and battery), drive/load side	[kg]	1255/1520 (1295/1560) *	1295/1880 (1335/1920) *	1750/2485 *
2.3	Axle loadings (without load/with battery), drive/load side	[kg]	1130/445 (1170/485) *	1130/445 (1170/485) *	1540/695 *
3	WHEELS AND TYRES				
3.1	Tyres, material (R=rubber/Vul=Vulkollan) drive/load side		Vul/Vul	Vul/Vul	Vul/Vul
3.2	Load wheel dimensions (diameter x width)	[mm]	85x75	85x75	85x90
3.3	Drive wheel dimensions (diameter x width)	[mm]	250x100	250x100	250x100
3.4	Castor wheel dimensions (diameter x width)	[mm]	150x50	150x50	150x50
3.5	Number of the wheels (x=driven) drive/load side		2+1x/4	2+1x/4	2+1x/4
3.6	Track width (centre of tyres), load side	b10 [mm]	385	385	375
3.7	Track width (centre of tyres), drive side	b11 [mm]	595	595	595
4	DIMENSIONS				
4.2	Lowered mast height	h1 [mm]	2385 *	2385 (2500) *	2710 *
4.3	Free lift	h2 [mm]	1815 *	1815 *	2060 *
4.4	Lift	h3 [mm]	5315 *	5315 *	6210 *
4.5	Raised mast height	h4 [mm]	5940 *	5940 (6055) *	7130 *
4.6	Initial lift (option)	h5 [mm]	115	115	-
4.7	Height of the overhead guard	h6 [mm]	2300	2300	2300
4.8	Seat (compressed or platform height)	h7 [mm]	235	235	235
4.15	Fork height, fully lowered	h13 [mm]	90	90 (92)	90
4.19	Overall length	l1 [mm]	2000	2000 (2050)	2160
4.20	Powerhead length (to fork face)	l2 [mm]	850	850 (900)	1010
4.21	Chassis (overall width)	b1/b2 [mm]	890/1440 ***	890/1440 ***	890/1510 ***
4.22	Fork dimensions (thickness/width/length)	s/e/l [mm]	65/165/1150	65/165(185)/1150	65/195/1150
4.25	Outside width over forks	b5 [mm]	550 (570)	550 (570)	570
4.32	Ground clearance, center of wheelbase (forks lowered)	m2 [mm]	20	20	20
4.33	Working aisle width Ast3, pallet 1000x1200, load lengthwise (forks 1150 mm)	Ast3 [mm]	2290	2290 (2345)	2415
4.33	Working aisle width Ast, pallet 1000x1200, load lengthwise (forks 1150 mm)	Ast [mm]	2521	2521 (2569)	2657
4.34	Working aisle width Ast3, pallet 800x1200, load lengthwise (forks 1150 mm)	Ast3 [mm]	2290	2290 (2345)	2415
4.34	Working aisle width Ast, pallet 800x1200, load lengthwise (forks 1150 mm)	Ast [mm]	2449	2449 (2498)	2582
4.35	Turning radius (forks lowered)	Wa [mm]	1665	1665 (1700)	1820
5	PERFORMANCE				
5.1	Travel speed, laden/unladen	[km/h]	7,0/8,0 ****	7,0/8,0 ****	6,5/7,5 ****
5.2	Lifting speed, laden/unladen	[m/s]	0,14/0,26	0,13/0,31	0,11/0,31
	Lifting speed with 1000 kg load	[m/s]	0,16	0,24	0,24
5.3	Lowering speed, laden/unladen	[m/s]	0,5/0,35	0,5/0,35	0,5/0,40
5.7	Gradeability, laden/unladen	[%]	7/10	7/10	6/10
5.10	Service brake		Electric	Electric	Electric
6	MOTORS				
6.1	Drive motor S2 60min	[kW]	2,2	2,2	2,2
6.2	Lift motor S3 15%	[kW]	5,5	5,5	5,5
6.4	Battery voltage/capacity (5h)	[V/Ah]	24/375	24/375	24/ 575, 625
6.5	Battery weight (min.)	[kg]	305	305	435, 465
8	MISCELLANEOUS				
8.1	Speed control type		Stepless	Stepless	Stepless
8.4	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpA	[dB (A)]	64	62	62
**	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 487, drive/lift/idle LpA	[dB (A)]	66/69/55	66/64/55	66/64/55
	Whole-body vibration according to EN 13 059:2002	[m/s ²]	1,0	1,0	1,0
	Hand-arm vibration according to EN 13 059:2002	[m/s ²]	<2,5	<2,5	<2,5

* SST12/16ac TREV 5400, SST20ac TF6300

** Uncertainty of 4 dB(A) in section 8.4

*** Side stabilizers lowered (triplex)

**** Travel speed to the direction of the forks may be adjusted slower

() = with initial lift

Ast3

Ast=Wa+R+200





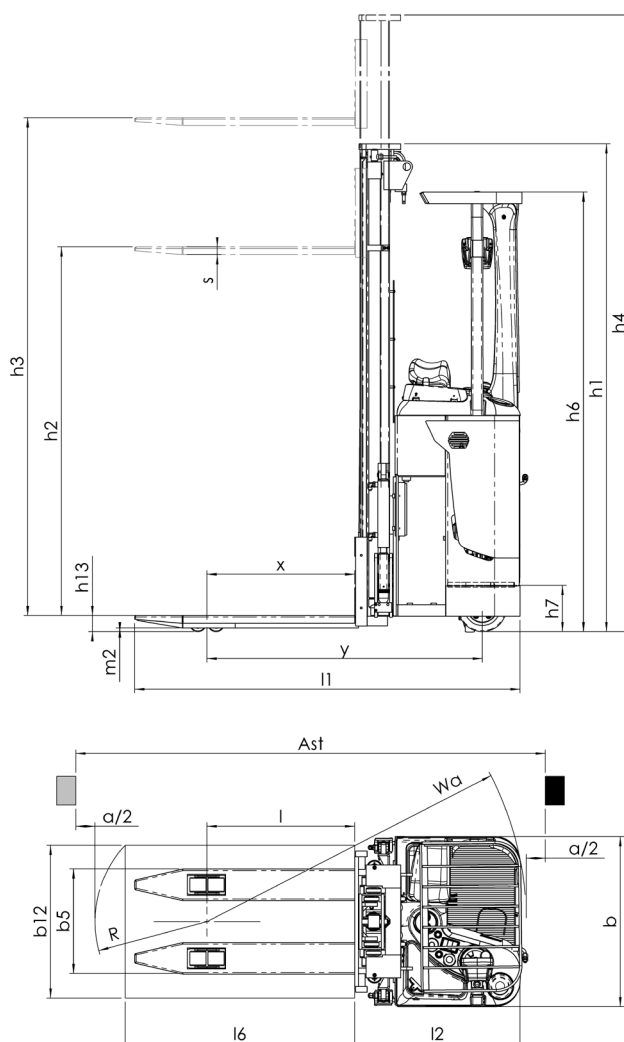
SST12ac					
Mast	h3+h13	h1	h4	h2+h13	(h2+h13)
S	1500	1950	1950	1500	-
DS/DEV	2500	1835	3000	200	1365
	2900	2035	3400	200	1565
	3300	2235	3800	200	1765
	3450	2310	3950	200	1840
	3600	2385	4100	200	1915
	4300	2735	4800	200	2265
TR/TREV	5400	2385	5940	-	1900
	5900	2555	6440	-	2070
	6500	2755	7040	-	2270

SST16ac					
Mast	h3+h13	h1	h4	h2+h13	(h2+h13)
S	1500	1950	1950	1500	-
DS/DEV	2500	1835	3000	200	1365
	2900	2035	3400	200	1565
	3300	2235	3800	200	1765
	3450	2310	3950	200	1840
	3600	2385	4100	200	1915
	4300	2735	4800	200	2265
TR/TREV	5400	2385	5940	-	1900
	5900	2555	6440	-	2070
	6500	2755	7040	-	2270

SST20ac					
Mast	h3+h13	h1	h4	h2+h13	(h2+h13)
TF	4800	2210	5630	-	1650
	5400	2410	6230	-	1850
	5700	2510	6530	-	1950
	5900	2577	6730	-	2017
	6300	2710	7130	-	2150

S = Simplex
 DS = Duplex with Clear View Mast
 DEV = Duplex with Full Free Lift
 TR = Triplex with Clear View Mast
 TREV = Triplex with Full Free Lift
 TF = Triplex with Integral Mast
 h3+h13 = Lift height
 h1 = Lowered mast height (with initial lift + 115 mm)
 h4 = Raised mast height (with initial lift + 115 mm)
 h2+h13 = Free lift height
 (h2+h13)* = Special free lift height

SST16aci					
Mast	h3+h13	h1	h4	h2+h13	(h2+h13)
S	1500	2065	2065	1500	-
DS/DEV	2500	1950	3115	200	1365
	2900	2150	3515	200	1565
	3300	2350	3915	200	1765
	3450	2425	4065	200	1840
	3600	2500	4215	200	1915
	4300	2850	4915	200	2265
TR/TREV	5400	2500	6055	-	1900
	5900	2670	6555	-	2070
	6500	2870	7155	-	2270



SST12ac/SST16ac(i)/SST20ac

The capacity choices for SSTac stacker are 1200, 1600 and 2000 kg. Lifting heights go up to 6500 mm. In designing of the SSTac stackers even the smallest ergonomic details have been taken into account. Comfortable 45° driving position ensures good visibility to both directions. Automatic stepless braking in turnings and the automatic lifting stop on required lifting height as an option for low spaces increase safety.



Options

Special colour for side plates
Design covers
Lowered overhead guard to 2200 mm
Joystick
Key switch – replaces PIN code
Rear mirror
Current output – 12 V/8 A
Adjustable working light
Warning light
Hydraulic side stabilizers (for 2-stage masts)
Friction drive wheel
Battery changing device
Automatic lift cut out with required lift height
Compulsory lowering of side stabilizers compulsory at 2,5 m lift height
Load back rest
Powder extinguisher



1. The control panel of the SSTac stackers have new functions that show for instance the battery charging status and driving speed. Driver's personal settings and PIN code in the control panel come as standard equipments. The 2000 kg models have possibility for lifting height selector etc. options.



2. Small outside dimensions and up to 5,5 kW lift motor enable extremely effective working also in narrow places. With the hydraulic side stabilizers the residual capacities will be very high even in 6.5 meters lift heights.



3. The design of the battery compartment allows easy access for maintenance purposes. The battery is mounted on rollers, which enables quick changing of the battery.

Rocla

The intelligent way to move

Rocla Oyj

P.O.Box 88

04401 Järvenpää

Tel. 020 778 11

Fax 020 778 1470

www.rocla.com

e-mail: rocla@rocla.com