Rocla TS20ac sit-on pallet truck with 2000 kg or 2500 kg capacity is an optimum choice for heavy work and long transporting distances in industry and big terminals and warehouses. New seat and the b2 control panel upgrade the truck's ergonomics to a completely new level and controlling the truck is very easy.



TS20ac



The intelligent way to move





- AC-drive motor more efficiency
- · New b2 control panel with digital display
- · Driver's personal settings and PIN code in the control panel
- · New comfortable seat and ergonomic driving position
- · Quick battery changing system
- · Good visibility

TS20ac

Manufacturer	1	IDENTIFICATION		
1.3 Power source				Rocla Ovi
1.3 Power source				
1.5 Operating mode				
1.5				
1.8 Load wheel axel to fork face (forks lowered) y [mm] 961*		Nominal capacity/load	Q [kg]	
1.9	1.6	Load center (COG)	c [mm]	600
Truck weight (with nominal load & battery)	1.8	Load wheel axel to fork face (forks lowered)	x [mm]	961*
2.1 Truck weight (with nominal load & battery) [kg] 2.955	1.9	Wheelbase (forks lowered)	y [mm]	1674*
2.2	2	WEIGHTS		
2.3	2.1		[kg]	2955
3.1 Tyres, material (R=rubber/Vul=Vulkollan) drive/load side Vul/Vul 3.2 Load wheel dimensions (diameter x width) (mm] 85x75 3.3 Drive wheel dimensions (diameter x width) (mm] 250x100 3.4 Castor wheel dimensions (diameter x width) (mm] 150x48 3.5 Number of the wheels (x-driven) drive/load side (mm] 1x+2/4 3.6 Track width (centre of tyres), load side b10 (mm] 354 (374, 514) 3.7 Track width (centre of tyres), drive side b11 (mm] 685 4 DIMENSIONS		Axle loadings (with load and battery), drive/load side	[kg]	1830/1125
3.1 Tyres, material (R=rubber/Vul=Vulkollan) drive/load side Vul/Vul 3.2 Load wheel dimensions (diameter x width) (mm) 250x100 3.4 Castor wheel dimensions (diameter x width) (mm) 150x48 3.5 Number of the wheels (x=driven) drive/load side (mm) 150x48 3.6 Track width (centre of tyres), load side b10 (lmm) 354 (374, 514) 3.7 Track width (centre of tyres), load side b10 (lmm) 354 (374, 514) 3.7 Track width (centre of tyres), drive side b10 (lmm) 685 4 DIMENSIONS		Axle loadings (without load/with battery), drive/load side	[kg]	220/735
3.2 Load wheel dimensions (diameter x width) [mm] 250x100	3			
3.3 Drive wheel dimensions (diameter x width) [mm] 250x100 3.4 Castor wheel dimensions (diameter x width) [mm] 150x48 3.5 Number of the wheels (x-driven) drive/load side [mm] 1x+2/4 3.6 Track width (centre of tyres), load side b10 [mm] 354 (374, 514) 3.7 Track width (centre of tyres), load side b11 [mm] 685 4 DIMENSIONS	3.1			
3.4 Castor wheel dimensions (diameter x width)	3.2	Load wheel dimensions (diameter x width)	[mm]	85x75
3.5 Number of the wheels (x=driven) drive/load side [mm] 354 (374, 514)				
3.6				
3.7 Track width (centre of tyres), drive side				
4.4 Lift h3 [mm] 115 4.8 Platform height h7 [mm] 400 4.15 Fork height, fully lowered h13 [mm] 85 4.19 Overall lenght (platform up/down) 11 [mm] 2100° 4.20 Powerhead length (to fork face), platform up/down 12 [mm] 950 4.21 Chassis (overall width) b1/b2 [mm] 1050 4.22 Fork dimensions (thickness/width/length) s/e/1 [mm] 50/165/1150 4.25 Outside width over forks b5 [mm] 520 (540,680) 4.32 Ground clearance, center of wheelbase (forks lowered) m2 [mm] 35 4.33 Working aisle width Ast, pallet 1000x1200, load crosswise Ast [mm] 2751° 4.33 Working aisle width Ast, pallet 800x1200, load lengthwise Ast [mm] 2189° 4.34 Working aisle width Ast3, pallet 800x1200, load lengthwise Ast [mm] 2616° 4.34 Working aisle width Ast3, pallet 800x1200, load lengthwise Ast [mm] 2389° 4.35 Turning radius (forks lowered, platform up/down) Wa [mm] 1950°				
4.4 Lift			b11 [mm]	685
4.8 Platform height				
4.15 Fork height, fully lowered		1		
4.19 Overall lenght (platform up/down) 11 [mm] 2100* 4.20 Powerhead length (to fork face), platform up/down 12 [mm] 950 4.21 Chassis (overall width) b1/b2 [mm] 1050 4.22 Fork dimensions (thickness/width/length) 5/e/1 [mm] 50/165/1150 4.25 Outside width over forks b5 [mm] 520 (540,680) 4.32 Ground clearance, center of wheelbase (forks lowered) m2 [mm] 35 4.33 Working aisle width Ast, pallet 1000x1200, load crosswise Ast [mm] 2751* 4.33 Working aisle width Ast3, pallet 1000x1200, load crosswise Ast3 [mm] 2189* 4.34 Working aisle width Ast3, pallet 800x1200, load lengthwise Ast [mm] 2616* 4.35 Turning radius (forks lowered, platform up/down) Wa [mm] 1950* 5 PERFORMANCE				
4.20 Powerhead length (to fork face), platform up/down 12 [mm] 950 4.21 Chassis (overall width) b1/b2 [mm] 1050 4.22 Fork dimensions (thickness/width/length) s/e/l [mm] 50/165/1150 4.25 Outside width over forks b5 [mm] 520 (540,680) 4.32 Ground clearance, center of wheelbase (forks lowered) m2 [mm] 35 4.33 Working aisle width Ast, pallet 1000x1200, load crosswise Ast [mm] 2751* 4.33 Working aisle width Ast, pallet 800x1200, load crosswise Ast [mm] 2189* 4.34 Working aisle width Ast, pallet 800x1200, load lengthwise Ast [mm] 2389* 4.35 Turning radius (forks lowered, platform up/down) Wa [mm] 1950* 5 PERFORMANCE				
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4.25 Outside width over forks b5 [mm] 520 (540,680) 4.32 Ground clearance, center of wheelbase (forks lowered) m2 [mm] 35 4.33 Working aisle width Ast, pallet 1000x1200, load crosswise Ast [mm] 2751* 4.33 Working aisle width Ast3, pallet 1000x1200, load crosswise Ast3 [mm] 2189* 4.34 Working aisle width Ast3, pallet 800x1200, load lengthwise Ast [mm] 2616* 4.34 Working aisle width Ast3, pallet 800x1200, load lengthwise Ast3 [mm] 2389* 4.35 Turning radius (forks lowered, platform up/down) Wa [mm] 1950* 5 PERFORMANCE [km/h] 8/11 5.1 Travel speed, laden/unladen [km/h] 8/11 5.2 Lifting speed, laden/unladen [m/s] 0.03/0.04 5.3 Lowering speed, laden/unladen [m/s] 0.07/0.02 5.7 Gradeability, laden/unladen [m/s] 6/15 5.10 Service brake Magn. brake 6 MOTORS [kW] 2.2 6.1 Drive motor S2 60min				
4.32 Ground clearance, center of wheelbase (forks lowered) m2 [mm] 35 4.33 Working aisle width Ast, pallet 1000x1200, load crosswise Ast [mm] 2751* 4.33 Working aisle width Ast3, pallet 1000x1200, load crosswise Ast [mm] 2189* 4.34 Working aisle width Ast3, pallet 800x1200, load lengthwise Ast [mm] 2616* 4.34 Working aisle width Ast3, pallet 800x1200, load lengthwise Ast [mm] 2389* 4.35 Turning radius (forks lowered, platform up/down) Wa [mm] 1950* 5 PERFORMANCE [km/h] 8/11 5.1 Travel speed, laden/unladen [km/h] 8/11 5.2 Lifting speed, laden/unladen [m/s] 0.03/0.04 5.3 Lowering speed, laden/unladen [m/s] 0.07/0.02 5.7 Gradeability, laden/unladen [m/s] 6/15 5.10 Service brake Magn. brake 6 MOTORS [kW] 2.2 6.1 Drive motor \$2 60min [kW] 2.2 6.2 Lift motor \$3 10% [kW]				
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4.33 Working aisle width Ast3, pallet 1000x1200, load crosswise Ast3 [mm] 2189*				
4.34 Working aisle width Ast, pallet 800x1200, load lengthwise Ast [mm] 2616* 4.34 Working aisle width Ast3, pallet 800x1200, load lengthwise Ast3 [mm] 2389* 4.35 Turning radius (forks lowered, platform up/down) Wa [mm] 1950* 5 PERFORMANCE Wa [mm] 1950* 5.1 Travel speed, laden/unladen [km/h] 8/11 5.2 Lifting speed, laden/unladen [m/s] 0.03/0.04 5.3 Lowering speed, laden/unladen [m/s] 0.07/0.02 5.7 Gradeability, laden/unladen [m/s] 6/15 5.10 Service brake Magn. brake 6 MOTORS [kw] 2.2 6.1 Drive motor \$2 60min [kw] 2.2 6.2 Lift motor \$3 10% [kw] 1.2 6.4 Battery voltage/capacity (min-max) [kg] 305/395 8 MISCELLANEOUS [kg] 305/395 8.1 Speed control type Stepless Level of noise at the ear level of the driver according to EN 12 [dB				
4.34 Working aisle width Ast3, pallet 800x1200, load lengthwise Ast3 [mm] 2389* 4.35 Turning radius (forks lowered, platform up/down) Wa [mm] 1950* 5 PERFORMANCE 5.1 Travel speed, laden/unladen [km/h] 8/11 5.2 Lifting speed, laden/unladen [m/s] 0.03/0.04 5.3 Lowering speed, laden/unladen [m/s] 0.07/0.02 5.7 Gradeability, laden/unladen [m/s] 6/15 5.10 Service brake Magn. brake 6 MOTORS 6.1 Drive motor \$2 60min [kW] 2.2 6.2 Lift motor \$3 10% [kW] 1.2 6.4 Battery voltage/capacity (min-max) [kg] 305/395 6.5 Battery weight (min/max) [kg] 305/395 8 MISCELLANEOUS 8.1 Speed control type Stepless Level of noise at the ear level of the driver according to EN 12 [dB (A)] 67 053:2001 and EN ISO 4871 in work LpA Level of noise at the ear level of the driver EN 12 053:2001 and [dB (A)] 72/59/43 EN ISO 4871 drive/lift/idle LpA Body tremble according to EN 13 059:2002 [m/s2] 0,8				
4.35Turning radius (forks lowered, platform up/down)Wa [mm]1950*5PERFORMANCE5.1Travel speed, laden/unladen[km/h]8/115.2Lifting speed, laden/unladen[m/s]0.03/0.045.3Lowering speed, laden/unladen[m/s]0.07/0.025.7Gradeability, laden/unladen[%]6/155.10Service brakeMagn. brake6MOTORS[kW]2.26.1Drive motor S2 60min[kW]2.26.2Lift motor S3 10%[kW]1.26.4Battery voltage/capacity (min-max)[V/Ah]24/375-4656.5Battery weight (min/max)[kg]305/3958MISCELLANEOUSStepless8.1Speed control typeSteplessLevel of noise at the ear level of the driver according to EN 12[dB (A)]67053:2001 and EN ISO 4871 in work LpALevel of noise at the ear level of the driver EN 12 053:2001 and [dB (A)]72/59/43EN ISO 4871 drive/lift/idle LpABody tremble according to EN 13 059:2002[m/s2]0,8				
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5.2 Lifting speed, laden/unladen [m/s] 0.03/0.04 5.3 Lowering speed, laden/unladen [m/s] 0.07/0.02 5.7 Gradeability, laden/unladen [%] 6/15 5.10 Service brake Magn. brake 6 MOTORS [kW] 2.2 6.1 Drive motor S2 60min [kW] 2.2 6.2 Lift motor S3 10% [kW] 1.2 6.4 Battery voltage/capacity (min-max) [V/Ah] 24/375-465 6.5 Battery weight (min/max) [kg] 305/395 8 MISCELLANEOUS Stepless 8.1 Speed control type Stepless Level of noise at the ear level of the driver according to EN 12 [dB (A)] 67 8.4 *** Level of noise at the ear level of the driver EN 12 053:2001 and [dB (A)] 72/59/43 EN ISO 4871 drive/lift/idle LpA [m/s2] 0,8			[km/h]	8/11
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5.10 Service brake MOTORS 6.1 Drive motor \$2 60min	5.7			
6.1 Drive motor S2 60min [kW] 2.2 6.2 Lift motor S3 10% [kW] 1.2 6.4 Battery voltage/capacity (min-max) [V/Ah] 24/375-465 6.5 Battery weight (min/max) [kg] 305/395 8 MISCELLANEOUS 8.1 Speed control type Stepless Level of noise at the ear level of the driver according to EN 12 [dB (A)] 67 8.4 ** Description of the driver EN 12 053:2001 and EN ISO 4871 in work LpA Level of noise at the ear level of the driver EN 12 053:2001 and EN ISO 4871 drive/lift/idle LpA Body tremble according to EN 13 059:2002 [m/s2] 0,8			D ~1	
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6.2 Lift motor S3 10% [kW] 1.2 6.4 Battery voltage/capacity (min-max) [V/Ah] 24/375-465 6.5 Battery weight (min/max) [kg] 305/395 8 MISCELLANEOUS 8.1 Speed control type Stepless Level of noise at the ear level of the driver according to EN 12 [dB (A)] 67 053:2001 and EN ISO 4871 in work LpA Level of noise at the ear level of the driver EN 12 053:2001 and EN ISO 4871 drive/lift/idle LpA Body tremble according to EN 13 059:2002 [m/s2] 0,8			[kW]	2.2
6.4 Battery voltage/capacity (min-max) [V/Ah] 24/375-465 6.5 Battery weight (min/max) [kg] 305/395 8 MISCELLANEOUS 8.1 Speed control type Stepless Level of noise at the ear level of the driver according to EN 12 [dB (A)] 67 053:2001 and EN ISO 4871 in work LpA Level of noise at the ear level of the driver EN 12 053:2001 and EN ISO 4871 drive/lift/idle LpA Body tremble according to EN 13 059:2002 [m/s2] 0,8				
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8 MISCELLANEOUS 8.1 Speed control type Stepless Level of noise at the ear level of the driver according to EN 12 [dB (A)] 67 053:2001 and EN ISO 4871 in work LpA Level of noise at the ear level of the driver EN 12 053:2001 and EN ISO 4871 drive/lift/idle LpA Body tremble according to EN 13 059:2002 [m/s2] 0,8				
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8.4 ** Level of noise at the ear level of the driver according to EN 12 [dB (A)] 67 053:2001 and EN ISO 4871 in work LpA Level of noise at the ear level of the driver EN 12 053:2001 and EN ISO 4871 drive/lift/idle LpA Body tremble according to EN 13 059:2002 [m/s2] 0,8				Stepless
8.4 ** 053:2001 and EN ISO 4871 in work LpA Level of noise at the ear level of the driver EN 12 053:2001 and EN ISO 4871 drive/lift/idle LpA Body tremble according to EN 13 059:2002 [m/s2] 0,8			[dB (A)]	
Level of noise at the ear level of the driver EN 12 053:2001 and EN ISO 4871 drive/lift/idle LpA Body tremble according to EN 13 059:2002 [m/s2] 0,8	0.4	l	- · /•	
EN ISO 4871 drive/lift/idle LpA Body tremble according to EN 13 059:2002 [m/s2] 0,8	8.4 **		[dB (A)]	72/59/43
Body tremble according to EN 13 059:2002 [m/s2] 0,8			. , /2	, -, -
			[m/s2]	0.8
India rembie according to en 13 039.2002 IM/821 < 2.5		Hand tremble according to EN 13 059:2002	[m/s2]	< 2,5

^{*} Fork width 1150 mm ** Inaccuracy 4 dB (A)





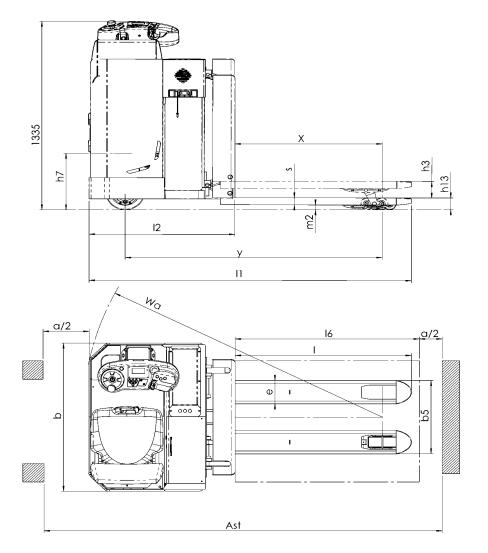


Fork dimensions (mm)

Fork width	Fork Length	x-dimension forks raised/lowered	Wheelbase forks raised/lowered	Turning radius forks raised/lowered
	950	711/761	1624/1674	1550/1600
520-680	1150	911/961	1824/1874	1750/1800
	1450	911/961	1824/1874	1750/1800

Working aisle width (mm)

Pallet size	Handling	Ast/Ast 3 Fork length 1150 mm	Ast/Ast 3 Fork length 1450 mm
800 x 1200	Lengthwise	2616/2389	2821/2689
1000 x 1200	Crosswise	2751/2189	2957/2689



TS20ac

The strong and durable construction of TS20ac is suitable for hard work. Also the ergonomics of the truck is designed for demanding working environment. The new seat and well protected driver's compartment make working comfortable. Exact controls ensure excellent drivability. Control panel height is adjustable which improves user friendliness. Ergonomic driver's positioning and excellent visibility to both directions increase safety.



Rocla TS20ac options

Cold store modification	Drive alarm
Special colour for side plates	Battery locking
Design covers	Nominal capacity 2500 kg
Steering direction changed	Battery changing device
Key switch	Pallet entry and exit rollers *
Current output 12V/8A	Battery changing device with rolls for 2 batteries
Warning light on the roof	Battery conntector and cables
Working light	Charger connector
Powder extinguisher	Seat belt
	* Only factory accomply

^{*} Only factory assembly



1. The b2 control panel has a completely new display and control buttons in the middle. New panel offers a lot of new functions compared to old model.



2. The operator's compartement provides spacious, comfortable and safe working environment for the operator. A low step height enables easy entrance to the machine.



3. The design of the battery compartement allows easy access for maintenance purposes. The battery is mounted on rollers, which enables quick changing of the battery and supports multi-shift working.



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