

Rocla T20 is an excellent choice for intensive operations where high-speed transportation of goods in long distances is required. Exceptional manoeuvrability enables efficient performing both in loading and unloading operations also in restricted space. The chassis design provides excellent visibility and stability even in tight corners and 790 mm wide chassis is particularly efficient in handling Euro pallets.



Rocla

*Ride-in
powered
pallet truck*



T20

- **Bean control panel**
- **Ergonomic driving position**
- **Quick battery changing system**
- **Regenerative braking**

ROCLA BEAN T20

1	IDENTIFICATION		
1.1	Manufacturer		Rocla Oyj
1.2	Model		T20
1.3	Power source		Battery
1.4	Operating mode		Pedestrian
1.5	Nominal capacity/load	Q [kg]	2000
1.6	Load center (COG)	c [mm]	600
1.8	Load wheel axel to fork face (forks lowered)	x [mm]	963*
1.9	Wheelbase (forks lowered)	y [mm]	1525*
2	WEIGHTS		
2.1	Truck weight (with nominal load & battery)	[kg]	2780
2.2	Axle loadings (with load and battery), drive/load side	[kg]	1710/1070
2.3	Axle loadings (without load/with battery), drive/load side	[kg]	190/590
3	WHEELS AND TYRES		
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+1/4
3.6	Track width (centre of tyres), load side	b10 [mm]	375 (355,495)
3.7	Track width (centre of tyres), drive side	b11 [mm]	457
4	DIMENSIONS		
4.4	Lift	h3 [mm]	115
4.8	Platform height	h7 [mm]	239
4.15	Fork height, fully lowered	h13 [mm]	85
4.19	Overall lenght (platform up/down)	l1 [mm]	1915
4.20	Powerhead length (to fork face), platform up/down	l2 [mm]	763
4.21	Chassis (overall width)	b1/b2 [mm]	790
4.22	Fork dimensions (thickness/width/length)	s/e/l [mm]	50/165/1150
4.25	Outside width over forks	b5 [mm]	540 (520,680)
4.32	Ground clearance, center of wheelbase (forks lowered)	m2 [mm]	35
4.33	Working aisle width Ast, pallet 1000x1200, load crosswise	Ast [mm]	2577*
4.33	Working aisle width Ast3, pallet 1000x1200, load crosswise	Ast3 [mm]	2136*
4.34	Working aisle width Ast, pallet 800x1200, load lengthwise	Ast [mm]	2414*
4.34	Working aisle width Ast3, pallet 800x1200, load lengthwise	Ast3 [mm]	2186*
4.35	Turning radius (forks lowered, platform up/down)	Wa [mm]	1750*
5	PERFORMANCE		
5.1	Travel speed, laden/unladen	[km/h]	10/11
5.2	Lifting speed, laden/unladen	[m/s]	0.06/0.07
5.3	Lowering speed, laden/unladen	[m/s]	0.08/0.03
5.7	Gradeability, laden/unladen	[%]	15/6
5.10	Service brake		Magn. brake
6	MOTORS		
6.1	Drive motor S2 60min	[kW]	2.1
6.2	Lift motor S3 15%	[kW]	0.8
6.4	Battery voltage/capacity (min-max)	[V/Ah]	24/375-465
6.5	Battery weight (min/max)	[kg]	280/355
8	MISCELLANEOUS		
8.1	Speed control type		Stepless

* See table

Manufacturer reserves the right to make technical changes



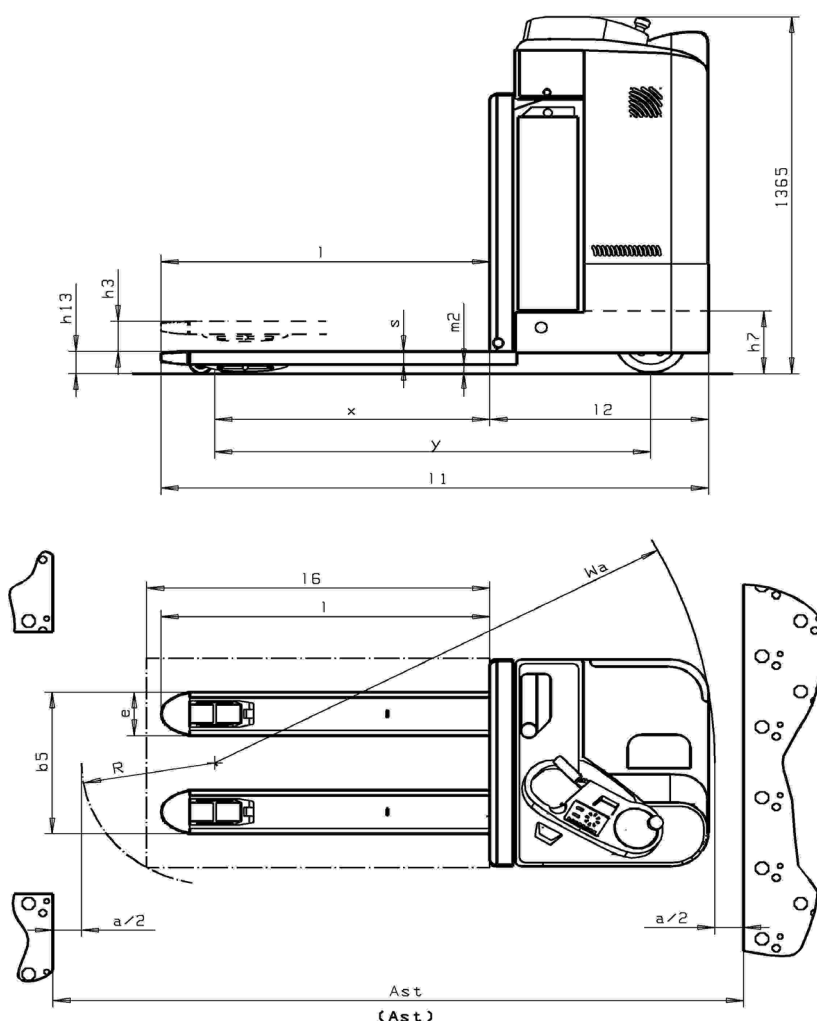
Fork dimensions (mm)

Fork width	Fork Length	x-dimension forks raised/lowered	Wheelbase forks raised/lowered	Turning radius forks raised/lowered
520-660	950	713/763	1275/1325	1500/1550
	1150	913/963	1475/1525	1700/1750
	1450	913/963	1475/1525	1700/1750
	2350	1753/1803	2315/2365	2533/2583

Working aisle width (mm)

Pallet size	Handling	Ast / Ast 3 Fork length 1150 mm	Ast / Ast 3 Fork length 1450 mm	Ast / Ast 3 Fork length 2350 mm
800 x 1200	Lengthwise	2414 / 2186	2476 / 2436	3365 / 3329
1000 x 1200	Crosswise	2577 / 2136	2577 / 2436	3365 / 3329
2 x 800 x 1200	Lengthwise	-	-	3502 / 3379

Ast = Wa+R+a, Ast3 = Wa-x+l6+a, a = 200mm



The control panel provides natural driving position and operating the switches requires minimal hand and wrist movements. 360 degree steering with visual direction indicator enables effortless and smooth positioning of the truck. Thanks to the new technology the truck operations such as acceleration can be customized to meet the requirements of the application and the experience of the driver.



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 and supports multi-shift working.

The operator's compartment provides spacious, comfortable and safe working environment for the operator. A low step height enables easy entrance to the machine. Together with the ergonomically designed back support the operator's fatigue is minimized.



Rocla Bean T20 checklist

Optimum transport distance:	> 50 m
Nominal capacity:	2000 kg
Max. speed:	12 km/h
Max. battery capacity	480 Ah/24V
Steering type:	Steering wheel, 360 degrees
Operating mode:	ride-in
Overall chassis width:	790 mm
Handling of high loads	
(load support):	Option
Build-in charger:	Option
Work intensity:	High
Quick battery change:	Standard

Rocla

Rocla Oyj
P.O. Box 88, FI-04401 Järvenpää, FINLAND
Tel. +358 20 778 11, Fax +358 20 778 1440
www.rocla.com, e-mail: rocla@rocla.com