

Autopilot towing truck 5.0 ton

TRACTO

AUTOPILOT

TAE500



Towing truck

Truck specifications				TAE500		
Identification	1.1	Manufacturer		Toyota		
	1.2	Model		TAE500		
	1.3	Drive		Electric		
	1.4	Operator type		Stand on/Autom.		
	1.5	Rated capacity /rated load	Q	kg	5000/5000	
	1.7	Rated drawbar pull	F	N	1150	
		Maximum drawbar pull	F	N	3500	
	1.9	Wheelbase	y	mm	1319	
Weight	2.1	Service weight without battery		kg	855	
	2.3	Axle load with battery ¹⁾ , drive wheel/support arm wheels		kg	848/497	
Wheels	3.1	Drive/support arm wheels			Vulkollan®	
	3.2	Wheel size, front	Ø	mm	250x92	
	3.3	Wheel size, rear	Ø	mm	140x70	
Dimensions	4.2.1	Overall height without scanner	h_{15}	mm	2257	
		Total height with navigation scanner	h_{20}	mm	2392/2969	
		Height navigation scanner eye	h_{21}	mm	2356/2933	
	4.8	Stand height	h_7	mm	130	
	4.12	Coupling height				
		Towing pin Ø20, auto	h_{10}	mm	263	
		Towing pin Ø20, manual	h_{10}	mm	188/283/378/473	
		Towing ball Ø50mm	h_{10}	mm	298/393/488/583	
	4.19	Overall length	l_1	mm	1757	
	4.21	Overall width	b_1/b_2	mm	950/800	
	4.26	Width between support arm wheels	b_4	mm	613	
4.32	Ground clearance, centre of wheelbase	m_1/m_2	mm	62/71		
4.35	Turning radius	W_a	mm	1597		
4.44	Clear width driver compartment entrance	l_{24}	mm	450		
Performance data	5.1	Travel speed, drive wheel direction. with/without load				
		Manual mode		km/h	6,0/11,0	
		Auto mode Towing pin, auto		km/h	6,0/8,0	
		Auto mode Towing pin, manual		km/h	6,0/6,0	
5.7	Gradeability, with/without load		%	3/13		
5.10	Service brake			1 stage electromagnetic		
Electric motor	6.1	Drive motor rating S2 60 min		kW	2,8	
	6.4	Battery voltage, nominal capacity K_5 , Lead-acid		V/Ah	24/465,620	
		Battery voltage, nominal capacity K_5 , Li-Ion		V/Ah	24/300	
	6.5	Battery weight, min./max.		kg	338/538	
Other	8.1	Type of drive control			Variable AC	
	8.4	Sound level at the driver's ear according to EN 12 053			65,7	

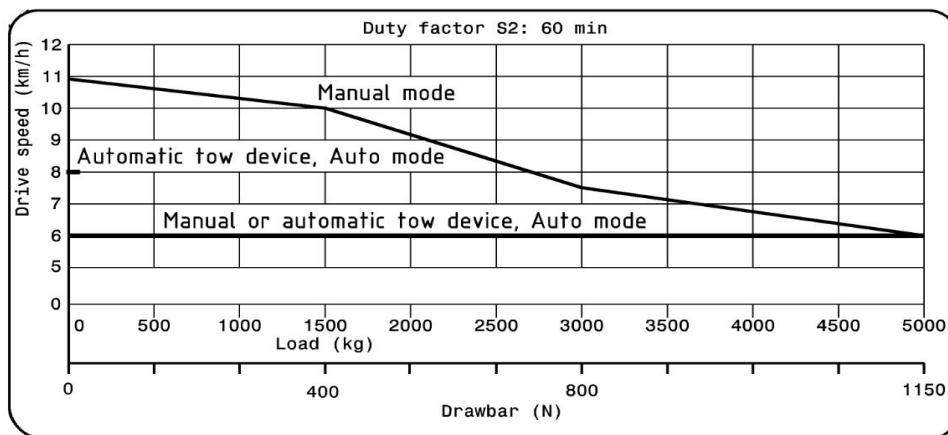
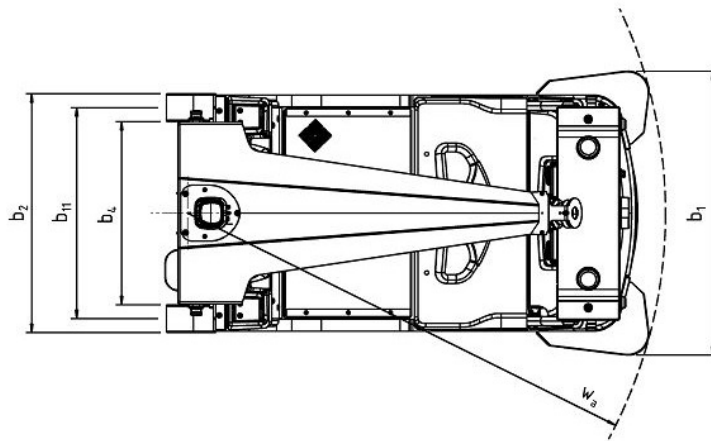
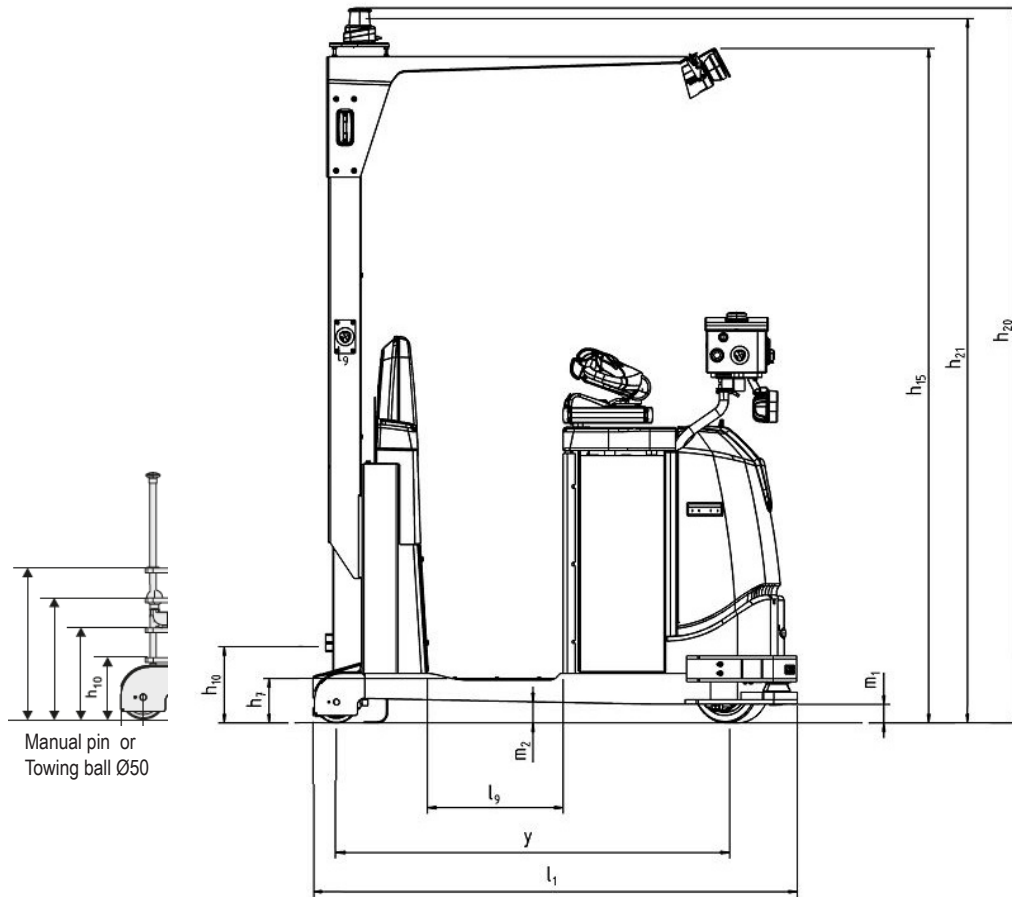
¹⁾ Including 490kg battery

All data are based on table configuration. Other configurations may give other values.

Truck performance and dimensions are nominal and subject to tolerances.

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Dimensional drawings



Truck features:

- High performance model
- Manual handling
- Automatic handling
- Laser precision navigation.
- Personal safety protection in drive direction.
- Personal safety protection along sides.
- Personal protection in reverse direction. (optional)
- Obstacle detection, front. (optional)
- Obstacle detection, top. (optional)
- Blue/red LED warning light in drive direction. (optional)
- Automatic tow coupling device. (optional)
- Manual tow coupling device. (optional)
- Power supply for host carrier. (optional)
- Automatic charging, Li-Ion battery. (optional)
- Information display



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TOYOTA

MATERIAL HANDLING