

Increased energy efficiency with AC - Synchronous motor drive and regeneration gives 30 to 50 % lower battery consumption.

Patented SAE safety system optimizes the capacity and helps the driver to avoid accidents.

High flexibility by change of tools

Long loads in narrow spaces is the main advantage for Maxtruck 2T



Electric four wheel forklift with Omni-directional drive make it easy to handle long loads (6m) and bulky loads without any risk for accident or damages on equipment, load or personal in vicinity.

Maxtruck 2T can handle loads up to 2000 kg and heights up to 4.2 meters. By tool change it can be used as a boom lift for service works or as a pick truck. With special tools it can go into stock areas used by narrow trucks with aisle width of 1600 mm.

Features with Maxtruck 2T

Operator comfort

- ❖ Low step in and out. Ergonomic seat and pedal positions.
- ❖ Adjustable control panel positions for best possible operator comfort.
- ❖ Clear view without mast in front means 100% visibility during operation.
- ❖ Electric controlled position control steering with 0,1 degree precision.
- ❖ Information display for driver information.
- ❖ Easy drive operation by electronic break with regeneration and forward reverse switch.
- ❖ All drive function on left control panel for comfortable use.

Productivity

- ❖ Synchronous AC motor front wheel drive provides smooth acceleration and excellent travel and torque performance with high efficiency. With the regenerative breaking in traction system a comfortable load handling is obtained.

- ❖ SAE safety system on board maximizes the use and helps the driver for maximum productivity.
- ❖ Direct drive in any direction and zero turning Radius makes it movable on small spaces.
- ❖ The 2.5 meters reach in front of the forklift increase the productivity and eliminate the need for longer forks when unloading pallets from a truck.
- ❖ Battery capacity is well enough for two shift operation.
- ❖ Easy change of battery in less than two minutes makes it suitable for continuous operation.
- ❖ Long goods are easy to handle in narrow paths due to all direction drive.
- ❖ Tool change make the Maxtruck 2T flexible for different work during the day an optimizing the use of the investment.
- ❖ Long service intervals increase the productivity.

Maintenance free electric motors and controls

By new synchronous AC motor drive in all system improves the efficiency in Maxtruck 2T compared with normal AC asynchronous motor drive. Gives following advantages.

- ❖ Up to 15 % higher energy efficiency on nominal motor speeds and even higher efficiency at low motor speeds when using speed or torque control.
- ❖ High torque and low heat dissipation from motors during drive.
- ❖ Total maintenance free motors without any brushes.
- ❖ Motor enclosure IP 54.

Safety for the operator and ambient personal

- ❖ Safety system SAE control the lifting and operation so it always stays within safe conditions.
- ❖ Full visibility during drive for the driver avoids accidents or collisions.
- ❖ Display presents the weight of the handling goods to inform driver during lift.
- ❖ Drive speed is limited by the SAE system depending on weight, height and inclination.
- ❖ Strong overhead guard protecting the driver during operation.
- ❖ Mechanical parking break with summer and warning horn helping the driver in all situations.
- ❖ Service break with regeneration process and extra mechanical foot break if emergency.
- ❖ Low centre of gravity gives optimum stability.
- ❖ All wheel steering gives optimal direction control on small spaces.
- ❖ Electronic and hydraulic overload control.
- ❖ Traction control ensures optimum torque on the two drive motors.
- ❖ Emergency shutdown button easy accessible on Display panel.
- ❖ Reliable data transfer via CAN open safety system according ISO 13849-1.

For more info please contact us on address below or visit our homepage
www.maxtruck2t.se

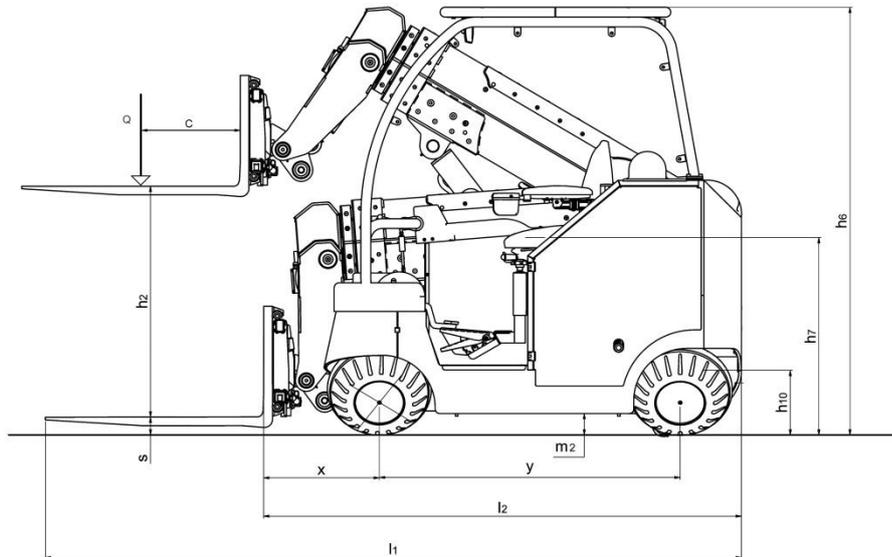


Fig 1.

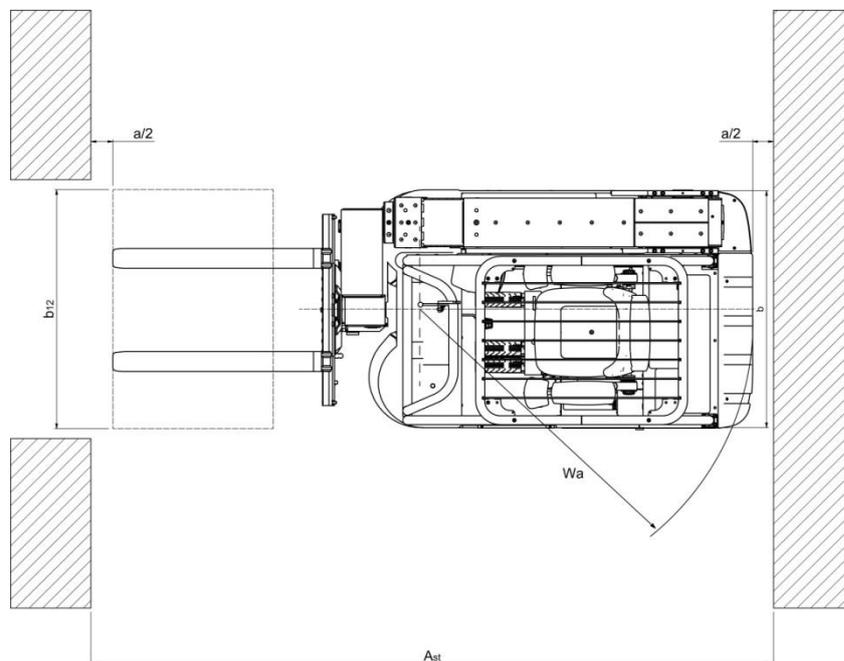


Fig 2.

Technical data in line with VDI 2198

Identification	1.1	Manufacturer		Max Truck AB
	1.2	Manufacturer designation		Maxtruck 2T
	1.3	Drive		Electric
	1.4	Operator type		Seat
	1.5	Load capacity/rated load	Q(t)	2.0
	1.6	Load centre distance	C(mm)	500
	1.8	Load distance centre of drive axle to fork	X(mm)	534
	1.9	Wheelbase	Y(mm)	1378
	Weights	2.1	Service weight incl. Battery	kg
2.2		Axle loading, laden front/rear	kg	4850/750
2.3		Axle loading, unladen front/rear	kg	1350/2250
Wheels, Chassis	3.1	Tyres		Maxwheel
	3.2	Tyre size, front		450
	3.3	Tyre size, rear		450
	3.5	Number of wheels front/rear(x=drive)		2X/2
	3.6	Tread, front	b10(mm)	770 or 1000
	3.7	Tread, rear	b11(mm)	750 or 980
	Basic Dimensions	4.1	Tilt of forks in auto	$\alpha/\beta(^{\circ})$
4.3		Free lift	h2(mm)	1110
4.4		Lift height	h3(mm)	4200
4.5		Boom height at max height forks	h4(mm)	4400
4.7		Height of overhead guard (Cabin)	h6(mm)	1975
4.8		Seat height	h7(mm)	910
4.12		Coupling height	h10(mm)	530
4.19		Overall length	l1(mm)	3290
4.20		Length to face of forks	l2(mm)	2290
4.21		Overall width	b1(mm)	1190
4.22		Fork dimensions	s/e/l(mm)	40/100/1000
4.23		Fork carriage class		2
4.32		Ground clearance under chassis	m2(mm)	90
4.33		Aisle width for pallets 1000x1200 crossway	Ast(mm)	3400
4.34		Aisle width for pallets 800x1200 lengthway	Ast(mm)	3500
4.35	Turning radius D1/D2 drive mode	Wa(mm)	1656	
Performance data	5.1	Travel speed laden/unladen	km/h	16/16
	5.2	Lift speed, laden/unladen	m/s	0.40/0.60
	5.3	Lowering speed, laden/unladen	m/s	0.40/0.60
	5.7	Gradeability, laden/unladen	%	5/7
	5.9	Acceleration time, laden/unladen	S	4
	5.10	Service break		electric/mech.
Motors	6.1	Drive motor rating S ₂ 60 min.	kW	2 x 6
	6.2	Lift motor rating S ₂ 15 % rating	kW	2 x 6
	6.3	Battery acc. to DIN 43531/35/36 A,B,C, no		DIN 43531A
	6.4	Battery voltage, nominal capacity	V/Ah	48/385
	6.5	Battery weight	kg	2 x 300
	6.6	Max battery capacity option	Ah	440
Others	8.1	Type of drive control		AC synchronous
	8.2	Operating pressure for attachments	Bar	200
	8.3	Oil volume for attachments	l/min	10-40
	8.4	Average noise level at operators ear	dB(A)	65
	8.5	Towing coupling type		Option