



TT1500-T M090

The TT1500-T, the larger sibling of the TT1000-T and the first electric tug developed by Movexx, has been continuously refined in both design and technology over the years. Today, the TT1500-T stands as the ultimate electric pulling aid, designed to reduce physical strain and enhance efficiency. It can effortlessly move trolleys and carts with a total weight of up to 3,300 lbs.

Power and Precision

At the heart of the TT1500-T is a robust electric drive train, delivering an unparalleled combination of strength and precision. Its enhanced electric motor ensures smooth and controlled movement, allowing operators to navigate tight spaces with ease. With a towing capacity of up to 3,300 lbs, this electric tug is built to handle a wide range of demanding tasks.

Versatile use

The TT1500-T is suitable for a variety of industries, including industrial manufacturing, heavy-duty logistics, and waste management. It can efficiently transport roll containers, industrial carts, and of course waste containers.

Additionally, the TT1500-T features our signature interchangeable hook system, allowing for customized hooks to secure different types of trolleys and carts. As long as the trolley's wheel configuration consists of two fixed wheels and two swiveling wheels, the TT1500-T can move it, provided the total load does not exceed 3,300 lbs.

Eco-Friendly Efficiency

The TT1500-T comes equipped with a LiFePO₄ lithium battery, offering several advantages. It supports partial charging, meaning it can be recharged between uses, and it lasts at least twice as long as conventional batteries. A built-in Battery Management System (BMS) prevents both deep discharge and overcharging, ensuring optimal battery lifespan.

Thanks to the quick-change battery system, lithium batteries can be swapped out easily and efficiently, minimizing downtime and maximizing productivity.

Safety First

Safety is paramount in any industrial environment, and the TT1500-T is designed with a comprehensive set of safety features. From emergency braking systems to a safety reverse switch, every component is engineered to protect operators and bystanders. Additionally, the tug's stability and Drive Control Lever enhance maneuverability and safety, making it a reliable choice, even in challenging outdoor conditions.

Conclusion

The TT1500-T electric tug is more than just a machine, it's a solution designed to meet the evolving demands of industries prioritizing efficiency, adaptability, and sustainability. As industries face new challenges, this versatile electric tug stands as a testament to innovation in material handling.

Embrace the future of logistics with the TT1500-T, your ultimate electric tug.



STANDARD EQUIPMENT

- 2.5 mph travel speed
- Automatic parking brake
- LiFePO₄ battery 24V, 20Ah
- Emergency brake
- Safety reverse switch on tiller head
- High-precision digital battery indication
- Tilting assist
- Horn (103 dB)
- Ignition lock
- Hour counter
- Non-marking drive wheels (full rubber)
- Diagnostics connector
- Electric hook preparation



FEATURES

Frame

- Metal components are made from double coated steel;
- Robust metal cover protects drive system and components;
- The adjustable tillerhead ensures the operator is at a safe yet comfortable distance from the tug.

Braking system:

- Direct forceful braking by reversing traction switch;
- Smooth braking by releasing Drive Control Lever;
- Immediate full braking by pressing the emergency stop;
- Directly reversing drive direction by hitting the safety reverse switch.

Battery:

- 20Ah lithium LiFePO₄ battery with integrated battery management system;
- Ensures precise battery indication and optimal running time;
- An average of 6 continuous operating hours on a single battery charge.
- Interchangeable battery. (1 extra battery can ensure 24-7 operation)

External charger:

- Optimized charging process for maximum energy efficiency and lower energy costs;
- High performance: optimal use of battery capacity;
- Easy plug connection and fast charging. Input: 100-240Vac. Output: 25.6Vdc, 10A.

Controls & Display

- Multiple control switches grouped on ergonomic tiller head;
- DCL; Drive Control Lever usable for left and right-handed;
- Safety reverse switch on top of tiller head for optimal operator safety;
- Reliable and precise battery indicator.



TECHNICAL DATA TT1500-T M090

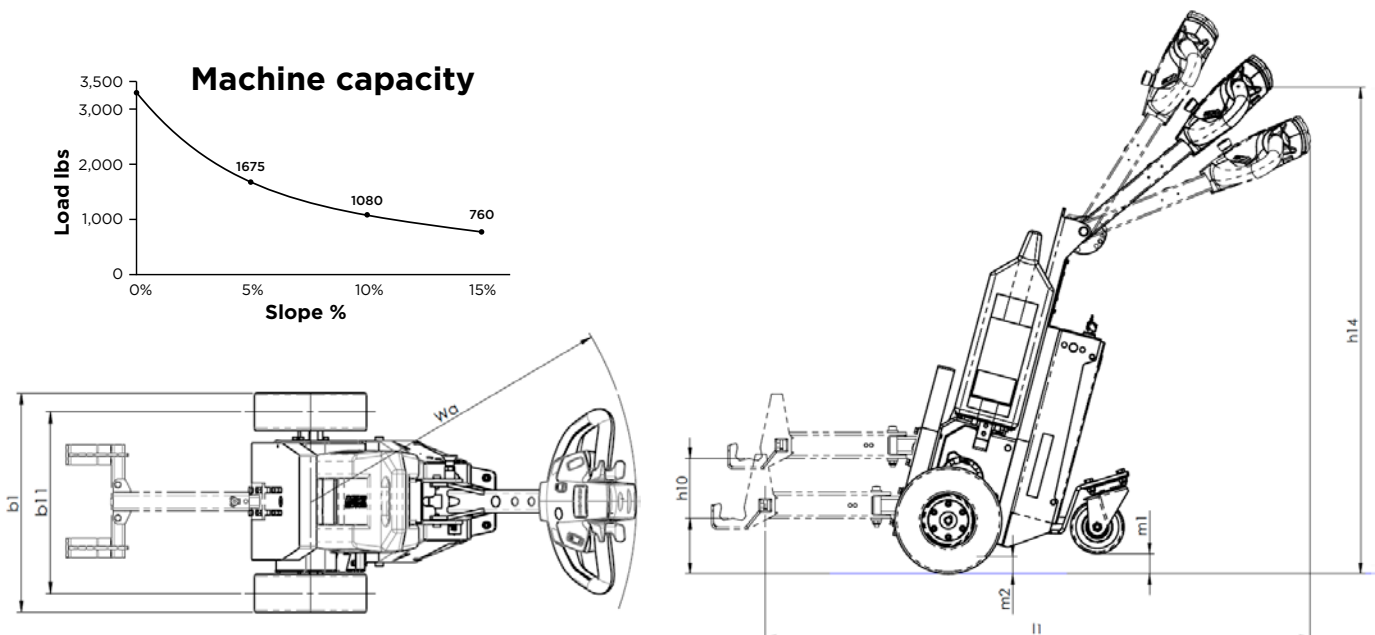
According to VDI 2198 in USCS units.

Characteristics	1.1	Manufacturer	Movexx International B.V.	
	1.2	Manufacturer's type designation	TT1500T- M090	
	1.3	Drive	Electric with LiFePO ₄ battery	
	1.4	Operator type	Tilting	
	1.5*	Rated capacity/rated load	Q [tn(US)]	1.6
	1.7**	Rated drawbar pull	F [lbf]	110
Wt	2.1	Weight incl. battery	lb	287
	2.2	Axle load with load	front/rear lb	335
Tyres/Chassis	3.1	Tyres	Solid Rubber	
	3.2	Tyres size	front in	9.8x3.3
	3.4	Auxiliary wheels size	in	5
	3.5	Wheels, number (x = driven)	front/rear	-/x2
	3.6	Tread	front/rear b ₁₀ /b ₁₁ [in]	-/16
	3.7	Wheelbase	in	50
Dimensions	4.9	Tiller height	min./max. h ₁₄ [in]	39.5-44.5-48.5
	4.12	Tow coupling height	h ₁₀ [in]	5-10.5
	4.19	Total length	l ₁ [in]	50
	4.21	Total width	b ₁ [in]	19
	4.31	Ground clearance, auxiliary wheel	m ₁ [in]	1.8
	4.32	Ground clearance, center of wheel base	m ₂ [in]	1.6
Performance	4.35	Turning radius	Wa [in]	31
	5.1	Travel speeds	with/without load mph	2.5/2.5
	5.1.1	Travel speed backwards	with/without load mph	2.5/2.5
	5.5**	Max drawbar pull (S2 = 60 min)	with/without load lbf	110
	5.6**	Max drawbar pull (S2 = 5 min)	with/without load lbf	220
	5.8*	Maximum slope (5 min)	with/without load %	0/15
Drive	5.9	Acceleration	with/without load s	8/6
	5.10	Service brake	Electromagnetic	
	6.1	Drive motor output (S2 = 60 min)	hp	0.80
	6.4	Battery voltage/rated capacity	V/Ah	24/20
Other	6.5	Battery weight +/- 5%	lb	18.5
	8.1	Drive control	DC	
	10.7	Sound level at operator's ear	dB(A)	<65

* The maximum payload is affected by the type of slope, operating time and floor type. See the graphic below for an indication of the allowable slope to load ratio (depending on slope surface/wheel type/machine weight).

** The maximum drawbar load on the hook [lbf] is determined by the engine power of the machine but is affected by the type of wheels of the machine and of the towed trolley/load, the type of surface and the drivable weight of the machine.

*** All values in this table have a tolerance of +/- 5%.





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