movexx
smart electric tugs

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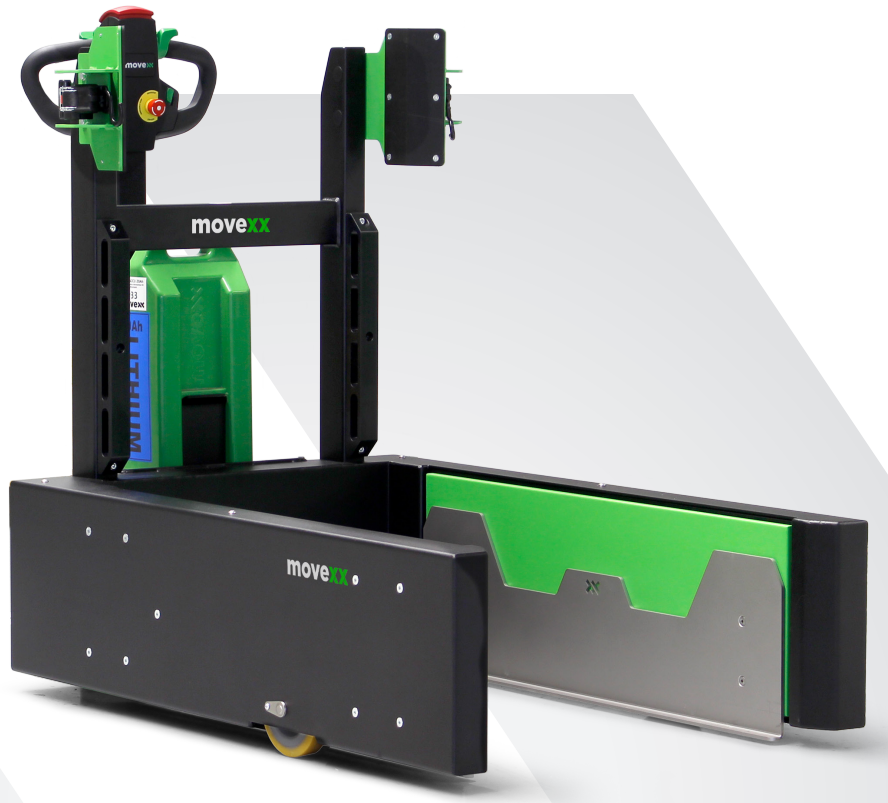


TT1500-M-SR M010

CAPACITY 1,500 kg (3,300 lbs) | 610 x 1,200 mm | 810 x 1,200 mm

The TT1500-M-SR is the ergonomic solution for moving server racks safely and efficiently. The TT1500-M-SR is powerful and easy to use, allowing server racks to be moved by a single operator, even in confined spaces. With the TT1500-M-SR, moving server racks no longer requires multiple people, eliminating physical strain and reducing the risk of industrial accidents.

Safety

The TT1500-M-SR is equipped with an effective parking brake to securely hold the truck on slopes or dock levellers. A durable metal cover protects the drive unit and internal components, while the low-profile chassis safeguards the operator's feet.

A long, low-mounted tiller arm ensures the operator maintains a safe yet comfortable working distance from the truck. Additionally, the anti-tilt safety support with an automatic ratchet enhances stability during lifting and movement.

Performance

The TT1500-M-SR is specifically designed for handling server racks without requiring their castor wheels to be in motion. It enables seamless loading and unloading of server racks onto trailers, dock levellers, and industrial flooring. Thanks to its powered traction and lift, the operator's physical effort is significantly reduced.

Equipped with a 0.7 kW drive motor, the TT1500-M-SR provides a cost-effective and efficient solution for transporting loads of up to 1,500 kg (3,300 lbs) over both short and long distances. Its compact design ensures excellent maneuverability, even inside lorries and confined spaces. Available for racks in 600 and 800 mm range.

Comfort

The compact, exchangeable $LiFePO_4$ battery enables opportunity charging via an external charger at any convenient power point, ensuring maximum uptime. All controls are conveniently located on the ergonomic tiller head. The dual butterfly levers for traction and lifting can be easily operated with either hand, allowing for precise and effortless operation.

Reliability

Built for durability, the TT1500-M-SR's drive unit delivers consistent high performance and reliability. Its reinforced chassis provides a robust superstructure for the safe and efficient handling of Decom racks weighing up to 1,500 kg (3,300 lbs). The automatic lift stop at maximum height helps extend the lifespan of key components, ensuring long-term operational efficiency.

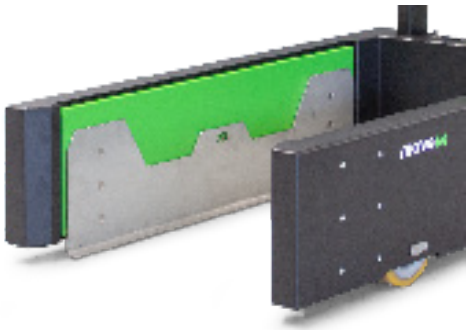
Commercial Datasheet
2025 v2

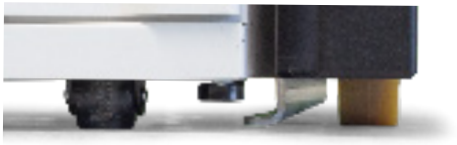
made in the Netherlands

STANDARD EQUIPMENT / OPTIONAL EQUIPMENT

STANDARD
- Drive wheel polyurethane
- Polyurethane load wheels
- Travel speed of 4.5 km/h (2.8 mph)
- Electromagnetic brake
- Automatic parking brake
- Body protection switch on tiller head
- $LiFePO_4$ exchangeable battery 24V, 40Ah
- Anti-tilting safety support with automatic ratchet
- Emergency button
- Audible signal when driving forward and in reverse
- Foot protector
- Superstructure with integrated dual lifting system

OPTIONAL
- Alternative fork lengths and widths
- Extra $LiFePO_4$ exchangeable battery 24V, 40Ah





Features

Traction and Lift System
- 0.7 kW DC drive motor;
- Adjustable parameters: travel speed up to 4.5 km/h (2.8 mph) and acceleration;
- Electric lifting and lowering.

Drive Unit
- Robust metal cover protects the drive system and components;
- Low chassis skirt protects the operator's feet;
- Long, low-mounted tiller ensures the operator maintains a safe yet comfortable distance from the truck;
- Rugged, reinforced superstructure ensures safe handling of loads up to 1,500 kg (3,300 lbs).

Braking System
- Highly efficient electromagnetic brake, activated by fully raising the tiller head;
- Automatic braking when the traction switch is released or when changing direction;
- Smooth deceleration before stopping, ensuring full control at all times;
- Reliable emergency button on tiller head.

Battery
- Exchangeable battery system ensures optimal running time;
- $LiFePO_4$ battery technology with an integrated Battery Management System (BMS);
- Average 8-hour drive time on a single charge;
- Less than 4-hour charging time.

External Charger
- Enables opportunity charging at any convenient power outlet;
- Easy plug-in and fast charging.

Controls & Display
- Traction and lift controls are grouped on the ergonomic tiller head;
- Dual traction switch control levers for operation with either hand;
- Body protection switch on the tiller head immediately stops the truck when activated;
- Reliable and precise battery indicator.

Superstructure
- Integrated electric lifting system with a hold-to-run function;
- Heavy-duty polyurethane load wheels;
- Telescopic steel covers protect the lift system and reduce the risk of crushing.
- Available for racks in 600 and 800 mm range.

TECHNICAL DATA TT1500-M-SR M010

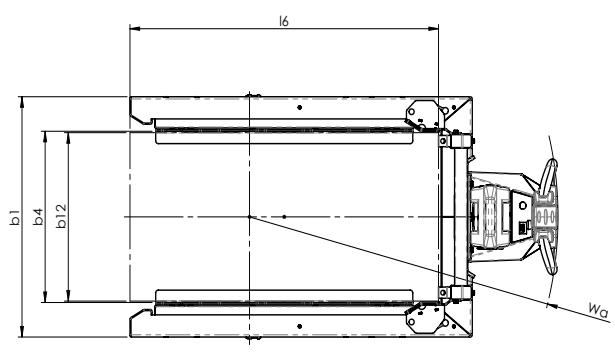
According to VDI 2198 in Metric units.

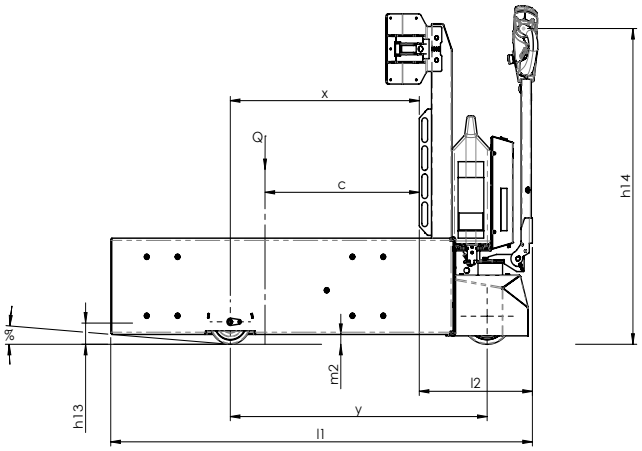
Characteristics	**1.1**	Manufacturer			Movexx International B.V.
	1.2	Manufacturer's type designation			TT1500-M-SR M010
	1.3	Drive			Electric with $LiFePO_4$ battery
	1.4	Operator type			Pedestrian
	1.5*	Rated capacity/rated load		Q [t]	1.5
	1.6	Load centre distance		c [mm]	600
	1.8	Load distance, drive axle to lift face		x [mm]	735
	1.9	Wheelbase		y [mm]	999
Wt	**2.1**	Weight incl. battery		kg	275
	2.2	Axle load, with load	front/rear	kg	414/1337
	2.3	Axle load, without load	front/rear	kg	128/123
Tyres/Chassis	**3.1**	Tyres	front/rear		PU/PU
	3.3	Tyres size	rear	mm	200x70
	3.4	Auxiliary wheel size		mm	160x50
	3.5	Wheels, number (x = driven)	front/rear		x1/2
	3.6	Tread	front/rear	b_{10}/b_{11} [mm]	-/785
Dimensions	**4.9**	Tiller height min-max	min-max	h_{14} [mm]	800/1100
	4.15	Fork height, lowest/highest, (stroke)	min-max	h_{13} [mm]	11.5/81.5 (70)
	4.19	Overall length		l_1 [mm]	1640
	4.20	Length to fork face		l_2 [mm]	440
	4.21	Overall width		b_1 [mm]	868 [1068]
	4.22	Fork dimensions		$s/e/l_6$ [mm]	308/98/1200
	4.26	Distance between loading surfaces	open/closed	b_4[mm]	(660-650)/(620-610) [(860-850)/(820-810)]
	4.32	Ground clearance		m_2 [mm]	35
	4.33	Load dimensions		$b_{12}xl_6$ [mm]	610x1200 [810x1200]
	4.35	Turning radius		Wa [mm]	1200
Performance	**5.1**	Travel speeds forwards	with/without load	km/h	4/4.5
	5.1.1	Travel speed backwards	with/without load	km/h	2/3.5
	5.2	Lifting speed	with/without load	[mm/s]	8.6/10.6
	5.8	Maximum slope (5 min)	with/without load	%	0/7.5
	5.9	Acceleration	with/without load	s	12/10
	5.10	Service brake			Electromagnetic
Drive	**6.1**	Drive motor output (S2 = 60 min)		kW	0.7
	6.2	Lift motor output 20% Max.	4 min/16 min	kW	0.3
	6.3	Battery acc. to DIN 43531			$LiFePO_4$
	6.4	Battery voltage/nominal capacity		V/Ah	24/40
	6.5	Battery weight +/- 5%		kg	11.9
Other	**8.1**	Type of drive unit			DC
	10.7	Sound level at operator's ear		dB(A)	<74

* 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 [N] 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%.





TECHNICAL DATA TT1500-M-SR M010

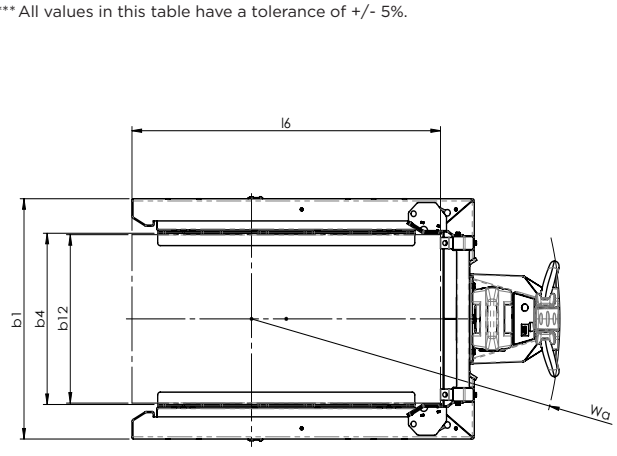
According to VDI 2198 in Imperial units.

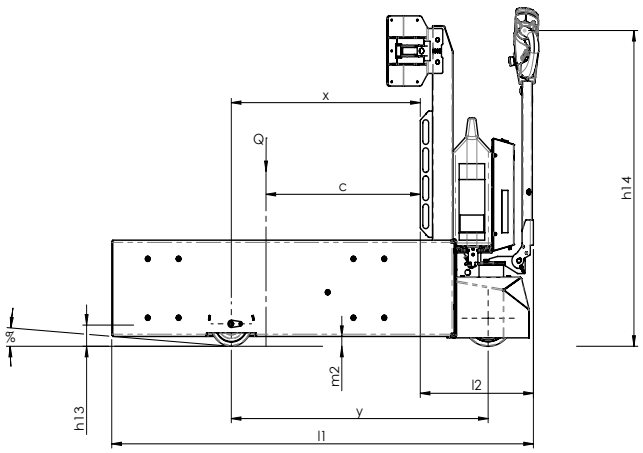
Characteristics	**1.1**	Manufacturer			Movexx International B.V.
	1.2	Manufacturer's type designation			TT1500-M-SR M010
	1.3	Drive			Electric with $LiFePO_4$ battery
	1.4	Operator type			Pedestrian
	1.5*	Rated capacity/rated load		Q [tn(US)]	1.7
	1.6	Load centre distance		c [in]	23.5
	1.8	Load distance, drive axle to lift face		x [in]	29
	1.9	Wheelbase		y [in]	39
Wt	**2.1**	Weight incl. battery		lb	606
	2.2	Axle load, with load	front/rear	lb	913/2948
	2.3	Axle load, without load	front/rear	lb	282/271
Tyres/Chassis	**3.1**	Tyres	front/rear		PU/PU
	3.3	Tyres size	rear	in	7.9x2.8
	3.4	Auxiliary wheel size		in	6.3x2.0
	3.5	Wheels, number (x = driven)	front/rear		x1/2
	3.6	Tread	front/rear	b_{10}/b_{11} [in]	-/31
Dimensions	**4.9**	Tiller height min-max	min-max	h_{14} [in]	31.5/43.5
	4.15	Fork height, lowest/highest, (stroke)	min-max	h_{13} [in]	0.5/3.2 (2.8)
	4.19	Overall length		l_1 [in]	65
	4.20	Length to fork face		l_2 [in]	17.5
	4.21	Overall width		b_1 [in]	34.2 [42.0]
	4.22	Fork dimensions		$s/e/l_6$ [in]	12.2/3.9/47.2
	4.26	Distance between loading surfaces	open/closed	b_4 [in]	(26.0-25.5)/(24.5-24.0) [(34.0-33.5)/(32.5-32.0)]
	4.32	Ground clearance		m_2 [in]	1.5
	4.33	Load dimensions		b_{12} x l_6 [in]	24.0x47.5 [(32.0x47.5)]
	4.35	Turning radius		Wa [in]	47.5
Performance	**5.1**	Travel speeds forwards	with/without load	mph	2.5/2.80
	5.1.1	Travel speed backwards	with/without load	mph	1.2/2.2
	5.2	Lifting speed	with/without load	[in/s]	0.3/0.4
	5.8	Maximum slope (5 min)	with/without load	%	0/7.5
	5.9	Acceleration	with/without load	s	12/10
	5.10	Service brake			Electromagnetic
Drive	**6.1**	Drive motor output (S2 = 60 min)		hp	0.9
	6.2	Lift motor output 20% max.	4 min/16 min	hp	0.4
	6.3	Battery acc. to DIN 43531			$LiFePO_4$
	6.4	Battery voltage/nominal capacity			24/40
	6.5	Battery weight +/- 5%		lb	26
Other	**8.1**	Type of drive unit			DC
	10.7	Sound level at operator's ear		dB(A)	<74

* 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 driveable weight of the machine.

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





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