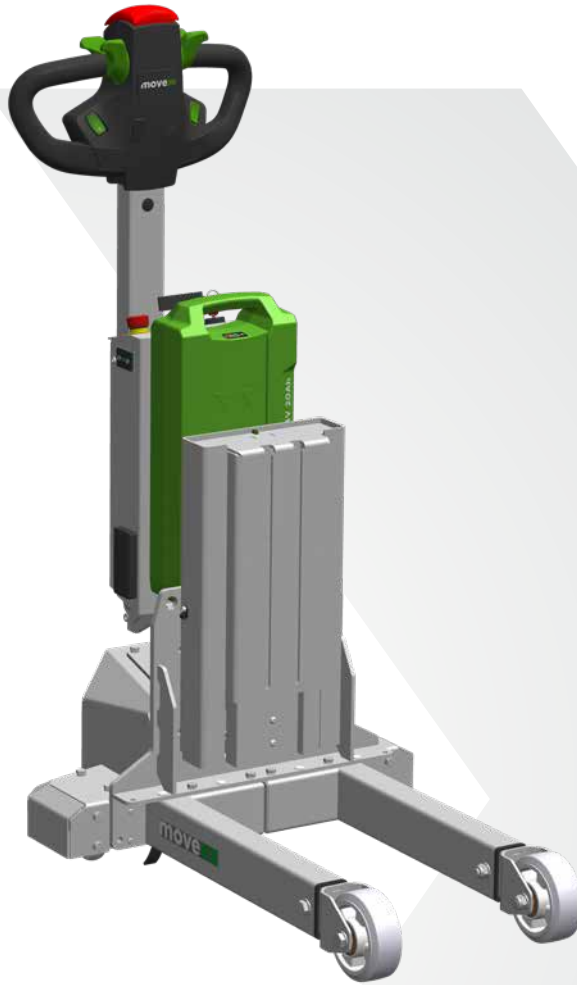




TT1000-M-Inox M050

The Movexx TT1000-M-Inox is a stainless-steel electric tug specifically designed to transport carts on four swivel wheels (and other wheel configurations), where hygiene, corrosion resistance, and durability are critical. Ideal for food processing, pharmaceutical, cleanroom, and wet environments, it combines powerful performance with a hygienic design. Built on the proven TT1000-M platform, the Inox version delivers reliable, safe, and efficient internal transport under the most demanding conditions.

Performance

The TT1000-M-Inox delivers strong and reliable performance for moving heavy loads with ease, even if these loads are equipped with four swivel wheels. Its electric drive system ensures smooth acceleration and precise manoeuvring, even in confined spaces. Designed for intensive daily use, the tug maintains consistent traction and stability on wet or smooth floors, making it perfectly suited for hygienic production and logistics environments.

Comfort

Operator comfort is an essential part of the TT1000-M-Inox design. The ergonomic tiller head, intuitive controls, and compact layout enable effortless operation with minimal training. Smooth driving characteristics and responsive steering reduce physical strain, allowing operators to work efficiently and comfortably throughout long shifts.

Reliability

Safety is fully integrated into the TT1000-M-Inox. The stable chassis, controlled speed, and reliable braking system ensure safe handling of loads at all times. Precise control and predictable behaviour help minimize risks in busy production areas. Designed to operate safely in wet and sensitive environments, the TT1000-M-Inox protects both operators and surrounding personnel.

Safety

Manufactured from high-quality stainless steel, the TT1000-M-Inox is highly resistant to corrosion, chemicals, and frequent cleaning. Its smooth surfaces and hygienic design prevent dirt accumulation and support strict cleaning protocols. Combined with Movexx's proven engineering and low-maintenance construction, this tug delivers maximum uptime and long service life, even in the harshest environments.

STANDARD EQUIPMENT / OPTIONAL EQUIPMENT

STANDARD

- 4.5 km/h (2.8 mph) travel speed
- Automatic parking brake
- Drive wheel polyurethane
- Electromagnetic brake
- Emergency button
- Spring loaded lift
- LiFePO₄ exchangeable smart battery 24V, 20Ah
- Non-marking solid rubber support wheels
- Safety reverse switch on tiller head

OPTIONAL

- Extra LiFePO₄ exchangeable smart battery 24V, 40Ah
- Wall mounted charger

Features

Traction and height adjustment system

- 0.3 kW DC drive motor;
- Adjustable parameters: travel speed up to 4.5 km/h (2.8 mph) & acceleration settings;
- Electrical height adjustment.

Drive unit

- Sheet metal components are made from stainless steel AISI 304;
- Robust stainless steel cover protects operators feet, drive system and components;
- Long tiller head support ensures the operator is at a safe yet comfortable distance from the tug.

Braking system

- Highly efficient electromagnetic brake applied by moving the tiller head to the fully upright position;
- Automatic braking on releasing traction switch or reversing direction;
- The TT1000-M-Inox slows down before coming to a stop, remaining under total control at all times;
- Emergency button.



Battery

- Exchangeable battery system ensures optimal running time;
- LiFePO₄ smart battery with integrated Battery Management System;
- Integrated LED charge indicator;
- Integrated CANOpen communication;
- Average 8 hours drive time on single charge;
- Less than 4 hours charging time.

External charger

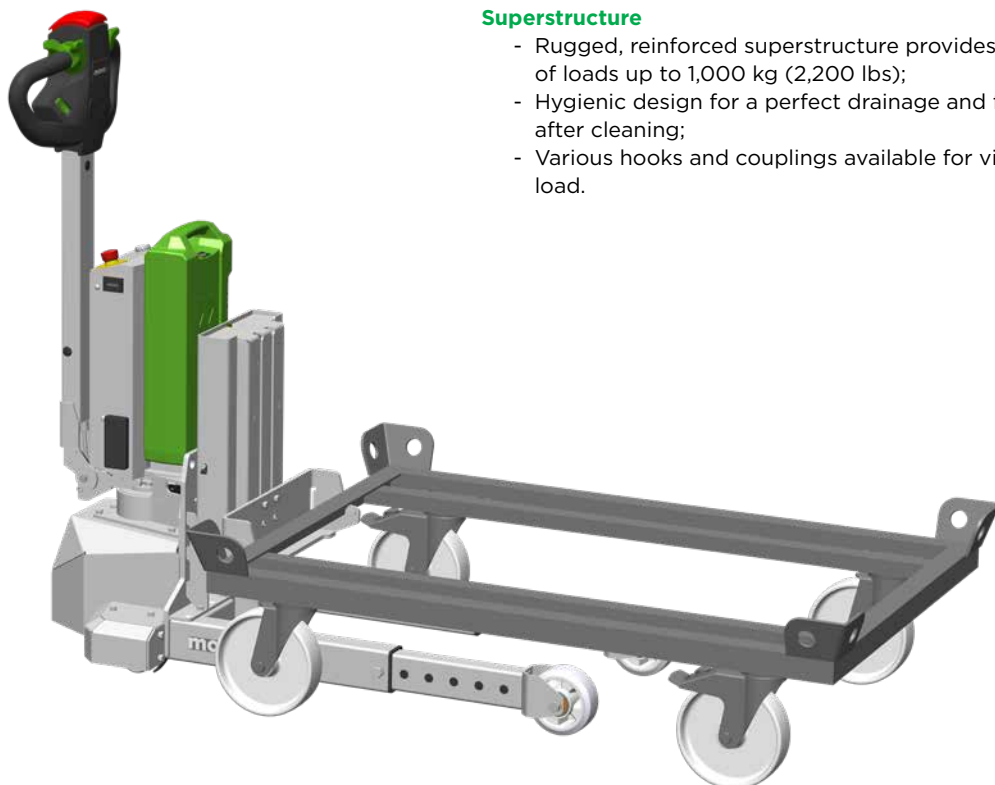
- Enables charging opportunity at any convenient power outlet;
- Easy plug connection and fast charging.

Controls

- Traction and height adjustment controls grouped on ergonomic tiller head;
- Dual drive control levers for use with either hand;
- Safety reverse switch on tiller head stops the TT1000-M and briefly drives away from the operator when actuated.

Superstructure

- Rugged, reinforced superstructure provides safe handling of loads up to 1,000 kg (2,200 lbs);
- Hygienic design for a perfect drainage and fast drying after cleaning;
- Various hooks and couplings available for virtually any load.



TECHNICAL DATA TT1000-M-INOX M050

According to VDI 2198 in SI units.

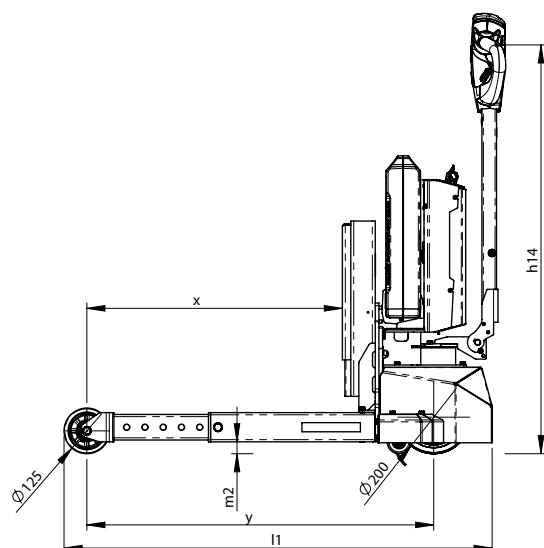
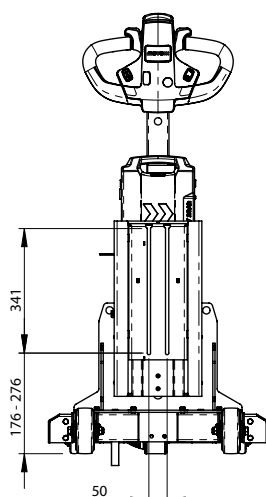
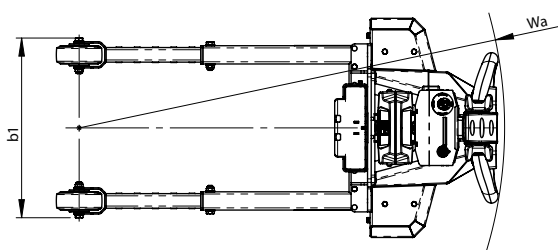
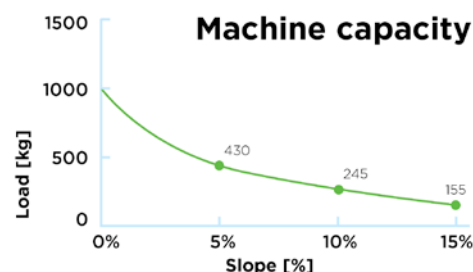
Characteristics	1.1	Manufacturer		Movexx International B.V.	
	1.2	Manufacturer's type designation		TT1000-M-Inox M050	
	1.3	Drive		Electric with LiFePO ₄ battery	
	1.4	Operator type		Pedestrian	
	1.5*	Rated capacity/rated load	Q [t]	1	
	1.7**	Rated drawbar pull	F [N]	546	
	1.8	Load distance, center of drive axle to lift face	x [mm]	710-460	
	1.9	Wheelbase	y [mm]	950-700	
Weights	2.1	Weight incl. battery		kg	105
	2.2	Axle load with load	front/rear	kg	150/35
	2.3	Axle loading, without load	front/rear	kg	92/13
Tyres/Chassis	3.1	Tyres	front/rear	PU/Solid Rubber	
	3.2	Tyres size	front	mm	200x60
	3.3	Tyres size	rear	mm	125x50
	3.5	Wheels, number (x = driven)	front/rear	x1/2	
	3.6	Tread	front/rear	b ₁₀ /b ₁₁ [mm]	60/50
Dimensions	4.9	Tiller height	min-max	h ₁₄ [mm]	1080/650
	4.19	Overall length		l ₁ [mm]	923-1173
	4.21	Overall width		b ₁ [mm]	460-656
	4.32	Ground clearance, center of wheel base		m ₂ [mm]	32.5
	4.35	Turning radius		Wa [mm]	1165-915
Performance	5.1	Travel speeds forwards	with/without load	km/h	3/4
	5.1.1	Travel speed backwards	with/without load	km/h	3/4
	5.5	Max drawbar pull (S2 = 60 min)	with load	N	273
	5.6	Max drawbar pull (S2 = 5 min)	with load	N	546
	5.8	Maximum slope (5 min)	with/without load	%	0/10
	5.9	Acceleration	with/without load	s	10/8
	5.10	Service brake		Electromagnetic	
Drive	6.1	Drive motor output (S2 = 60 min)		kW	0.3
	6.4	Battery voltage/nominal capacity		V/Ah	24/20
	6.5	Battery weight +/- 5%		kg	4.8
Other	8.1	Type of drive unit		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 [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.

*** Values vary with different wheel base lengths (1.9 [y])

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



TECHNICAL DATA TT1000-M-INOX M050

According to VDI 2198 in USCS units.

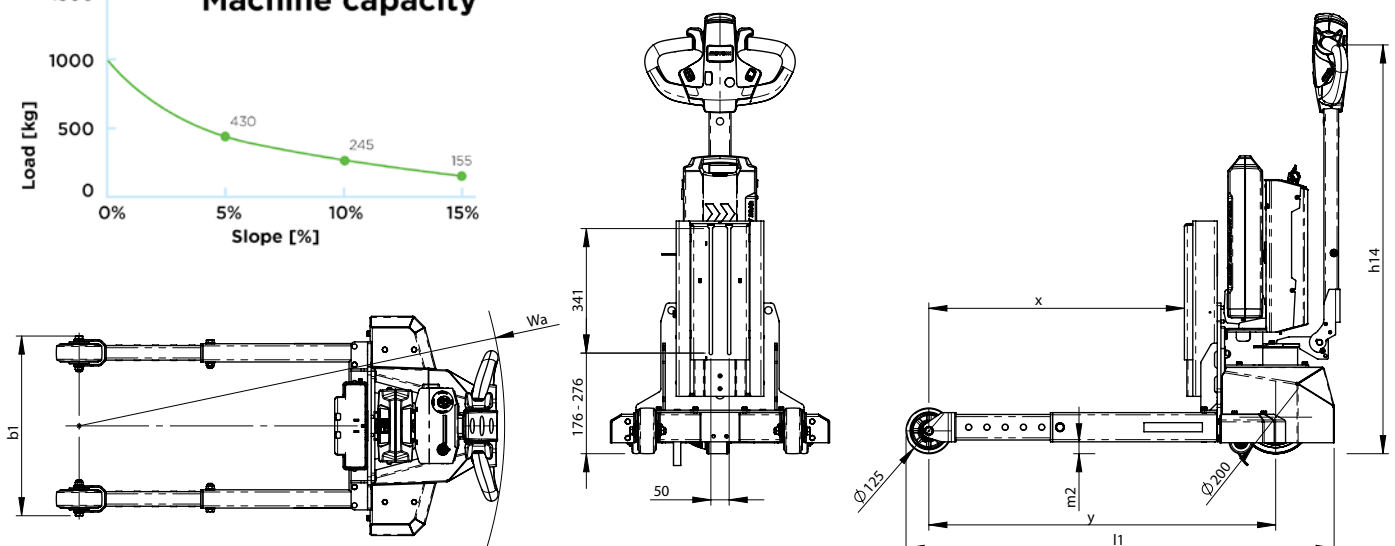
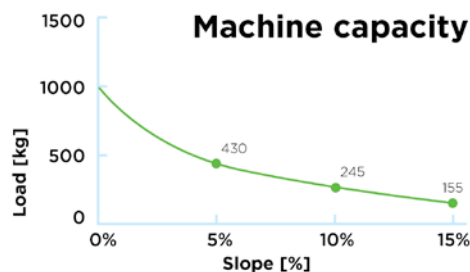
Characteristics	1.1	Manufacturer			Movexx International B.V.
	1.2	Manufacturer's type designation			TT1000-M-Inox M050
	1.3	Drive			Electric with LiFePO ₄ battery
	1.4	Operator type			Pedestrian
	1.5*	Rated capacity/rated load	Q [tn(US)]	1	
	1.7**	Rated drawbar pull	F [lbf]	122.7	
	1.8	Load distance, center of drive axle to lift face	x [in]	27.95-18.11	
	1.9	Wheelbase	y [in]	37.40-27.56	
Weights	2.1	Weight incl. battery		lb	231
	2.2	Axle load with load	front/rear	lb	331/77
	2.3	Axle loading, without load	front/rear	lb	202/29
Tyres/Chassis	3.1	Tyres	front/rear	PU/Solid Rubber	
	3.2	Tyres size	front	in	7.87x2.36
	3.3	Tyres size	rear	in	4.92x1.97
	3.5	Wheels, number (x = driven)	front/rear	x1/2	
	3.6	Tread	front/rear	b ₁₀ /b ₁₁ [in]	2.36/1.97
Dimensions	4.9	Tiller height	min-max	h ₁₄ [in]	42.52/25.59
	4.19	Overall length		l ₁ [in]	36.34-46.18
	4.21	Overall width		b ₁ [in]	18.11-25.83
	4.32	Ground clearance, center of wheel base		m ₂ [in]	1.280
	4.35	Turning radius		Wa [in]	45.87-36.02
Performance	5.1	Travel speeds forwards	with/without load	mph	1.9/2.5
	5.1.1	Travel speed backwards	with/without load	mph	1.9/2.5
	5.5	Max drawbar pull (S2 = 60 min)	with load	lbf	61.4
	5.6	Max drawbar pull (S2 = 5 min)	with load	lbf	122.7
	5.8	Maximum slope (5 min)	with/without load	%	0/10
	5.9	Acceleration	with/without load	s	10/8
	5.10	Service brake		Electromagnetic	
Drive	6.1	Drive motor output (S2 = 60 min)		hp	0.4
	6.4	Battery voltage/nominal capacity		V/Ah	24/20
	6.5	Battery weight +/- 5%		lb	10.6
Other	8.1	Type of drive unit			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 [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.

*** Values vary with different wheel base lengths (1.9 [y])

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





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