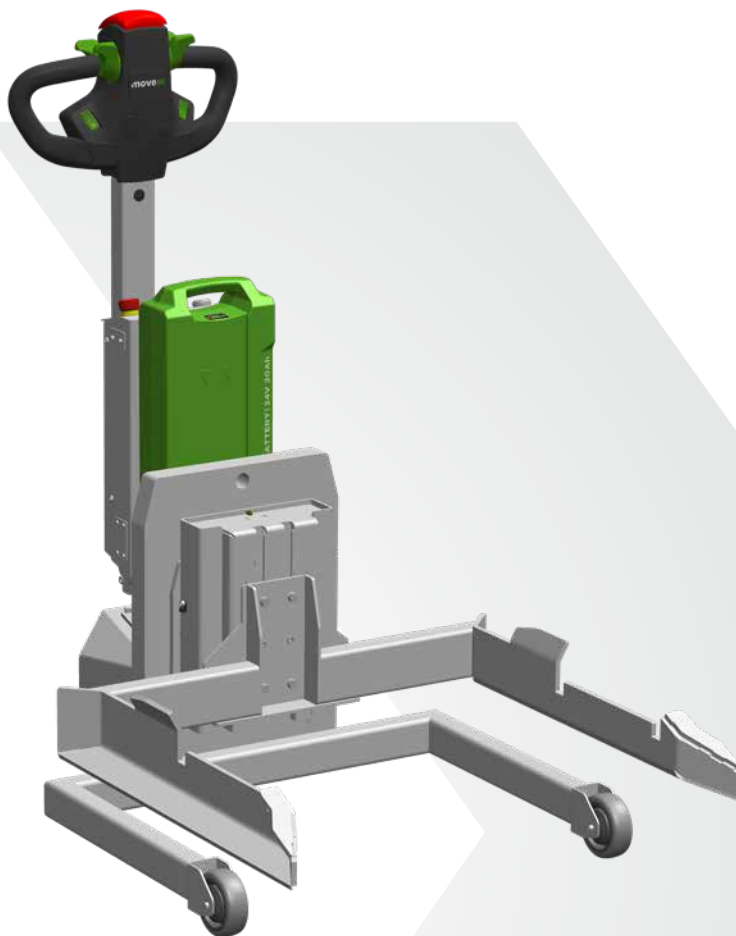




TT1000-M-Inox-EB (Eurobin Tug) _{M030}

The Eurobin Tug is the ergonomic solution for the safe and efficient transport of food containers conform DIN 9797 (also known as Eurobin). The Eurobin Tug is easy to use, powerful and compact, allowing food containers to be transported by a single operator, even in confined spaces. By using the Eurobin Tug, it's also possible to transport multiple Eurobins by coupling them as a train.

Performance

The Eurobin Tug has been specially designed to transport Eurobins according to DIN 9797. Thanks to its powered traction wheel, the operator's physical input is minimized. Equipped with 0.3 kW drive motor, the Eurobin Tug offers a highly cost-effective and productive solution for short and long distance transfers of loads up to 700 kg (1,540 lbs). Its compactness guarantees maximum manoeuvrability in confined spaces.

Comfort

The compact and exchangeable LiFePO₄ batteries allow opportunity charging via the external charger at any convenient power point for optimum uptime. All controls are located on the ergonomic designed tiller head. The dual butterfly levers for drive control and the button for lifting function can be easily operated by either hand which ensures precise operation. The spring loaded hook makes connecting the machine extremely quick and easy.

Reliability

The durable drive unit of the Eurobin Tug delivers consistent high performance and reliability. The robust chassis has a reinforced super-structure for safe, efficient handling of Eurobins up to 700 kg (1,540 lbs). The one touch control of the spring loaded hook ensures user friendliness and improves durability of the components.

Safety

The Eurobin Tug features an effective parking brake to hold the truck safely on slopes or on dock levellers. A robust stainless steel cover protects the drive unit and components, while the low profile chassis protects the operator's feet. A long, low mounted tiller arm places the operator at a safe yet comfortable working distance from the tug. The superstructure with the spring loaded height adjustment ensures the stability while driving.

STANDARD EQUIPMENT / OPTIONAL EQUIPMENT

STANDARD

- 4.5 km/h (2.8 mph) travel speed
- Automatic parking brake
- Drive wheel polyurethane
- Electromagnetic brake
- Emergency button
- Hygienic superstructure with spring loaded fork
- 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
- Eurobin milk run coupling
- 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 with snapping function.

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 Eurobin Tug 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 battery technology 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 Eurobin Tug and briefly drives away from the operator when actuated.

Superstructure

- Rugged, reinforced superstructure provides safe handling of loads up to 700 kg (1,540 lbs);
- Hygienic design for a perfect drainage and fast drying after cleaning;
- The fork is made from stainless steel AISI 316L.



TECHNICAL DATA TT1000-M-Inox-EB M030

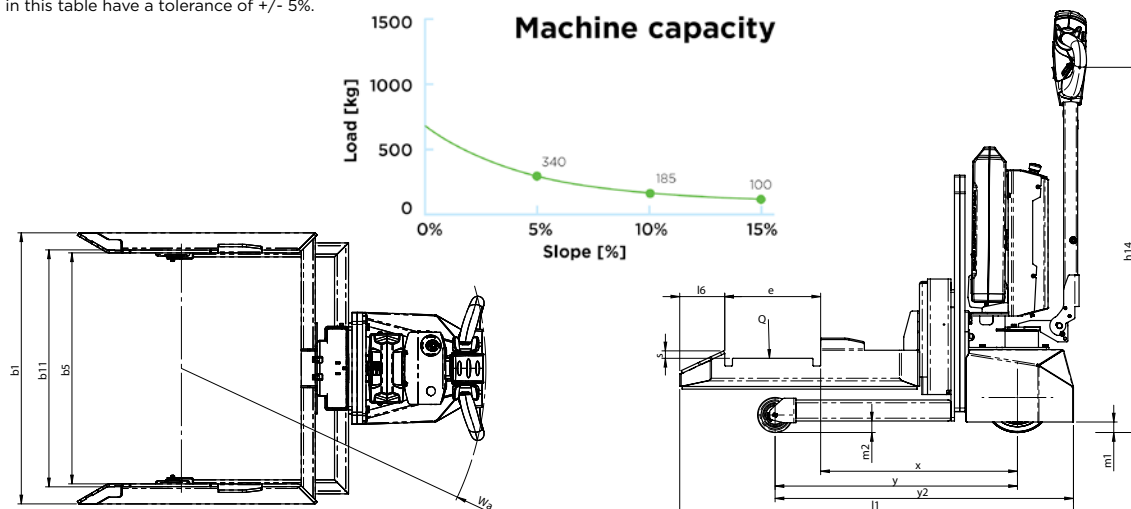
According to VDI 2198 in SI units.

Characteristics	1.1	Manufacturer		Movexx International B.V.
	1.2	Manufacturer's type designation		TT1000-M-Inox-EB - M030
	1.3	Drive		Electric with LiFePO ₄ battery
	1.4	Operator type		Pedestrian
	1.5*	Rated capacity	Q [t]	0.7
	1.5.1	Load capacity at load center	Q1[t]	0.03
	1.7**	Rated drawbar pull	F [N]	273
	1.8	Load distance, center of drive axle to lift face	x [mm]	565
	1.9	Wheelbase	y [mm]	720.5
Weights	2.1	Weight incl. battery		kg 157
	2.2	Axle load with load, front/rear	front/rear kg	114/73
	2.3	Axle load without load	front/rear kg	114/43
Tyres/Chassis	3.1	Tyres, (PU=polyurethane)	front/rear	PU/Non-Marking/Solid Rubber
	3.2	Tyres size	front mm	200
	3.3	Tyres size	rear mm	100
	3.5	Wheels, number (x = driven)	front/rear	1x/2
	3.6	Tread	front/rear b ₁₀ / b ₁₁ [mm]	-/677
Dimensions	4.9	Tiller height	min./max.	h ₁₄ [mm] 650/1080
	4.19	Total length	l ₁ [mm]	1128
	4.20	Length to lift face	l ₂ [mm]	897
	4.21	Total width	b ₁ [mm]	775
	4.22	Fork dimensions	s/e/l ₆	21-274-128
	4.25	Fork spread	b ₅ [mm]	660
	4.31	Ground clearance, front of machine	m ₁ [mm]	30
	4.32	Ground clearance, center of wheel base	m ₂ [mm]	33
Performance	4.35	Turning radius	Wa [mm]	870
	5.1	Travel speeds	with/without load km/h	4/4,5
	5.1.1	Travel speed backwards	with/without load km/h	3.5/4
	5.5**	Max drawbar pull (S2 = 60 min)	with/without load N	273
	5.6**	Max drawbar pull (S2 = 5 min)	with/without load N	545
	5.8*	Maximum slope (5 min)	with/without load %	0/15
	5.9	Acceleration	with/without load s	11/10
Drive	5.10	Service brake		Electromagnetic
	6.1	Drive motor output (S2 = 60 min)	kW	0.3
	6.4	Battery voltage/rated capacity	V/Ah	24/20
Other	6.5	Battery weight +/- 5%	kg	4.8
	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 [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 TT1000-M-Inox-EB M030

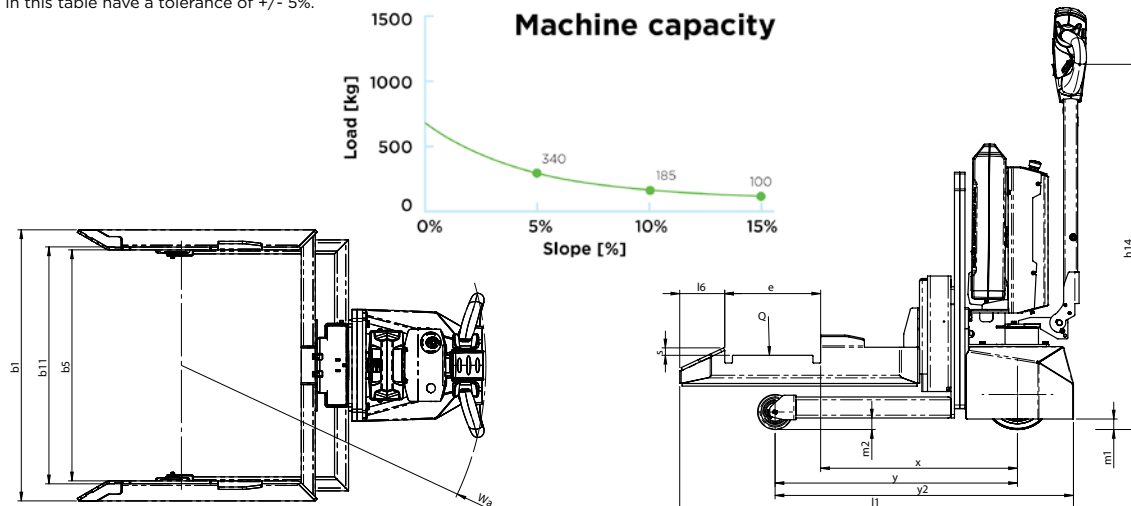
According to VDI 2198 in USCS units.

Characteristics	1.1	Manufacturer		Movexx International B.V.
	1.2	Manufacturer's type designation		TT1000-M-Inox-EB - M030
	1.3	Drive		Electric with LiFePO ₄ battery
	1.4	Operator type		Pedestrian
	1.5*	Rated capacity	Q [tn(US)]	0.7
	1.5.1	Load capacity at load center	Q1[tn(US)]	0.03
	1.7**	Rated drawbar pull	F [lbf]	61.5
	1.8	Load distance, center of drive axle to lift face	x [in]	22
	1.9	Wheelbase	y [in]	28.5
Weights	2.1	Weight incl. battery		lb 346
	2.2	Axle load with load, front/rear	front/rear lb	251/161
	2.3	Axle load without load	front/rear lb	251/95
Tyres/Chassis	3.1	Tyres, (PU=polyurethane)	front/rear	PU/Non-Marking/Solid Rubber
	3.2	Tyres size	front in	7.8
	3.3	Tyres size	rear in	4
	3.5	Wheels, number (x = driven)	front/rear	1x/2
	3.6	Tread	front/rear b ₁₀ /b ₁₁ [in]	-/26.5
Dimensions	4.9	Tiller height	min./max.	h ₁₄ [in] 25.5/42.5
	4.19	Total length	l ₁ [in]	44.5
	4.20	Length to lift face	l ₂ [in]	35
	4.21	Total width	b ₁ [in]	30.5
	4.22	Fork dimensions	s/e/l ₆	21-274-128
	4.25	Fork spread	b ₅ [in]	26
	4.31	Ground clearance, front of machine	m ₁ [in]	1.2
	4.32	Ground clearance, center of wheel base	m ₂ [in]	1.3
Performance	4.35	Turning radius	Wa [in]	34
	5.1	Travel speeds	with/without load mph	2.5/2.8
	5.1.1	Travel speed backwards	with/without load mph	2.2/2.5
	5.5**	Max drawbar pull (S2 = 60 min)	with/without load lbf	62
	5.6**	Max drawbar pull (S2 = 5 min)	with/without load lbf	123
	5.8*	Maximum slope (5 min)	with/without load %	0/15
	5.9	Acceleration	with/without load s	11/10
Drive	5.10	Service brake		Electromagnetic
	6.1	Drive motor output (S2 = 60 min)	hp	0.40
	6.4	Battery voltage/rated capacity	V/Ah	24/20
Other	6.5	Battery weight +/- 5%	lb	10.6
	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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