movexx

smart electric tugs

EN

Technical datasheet
TT1500-M-SR

made in the Netherlands

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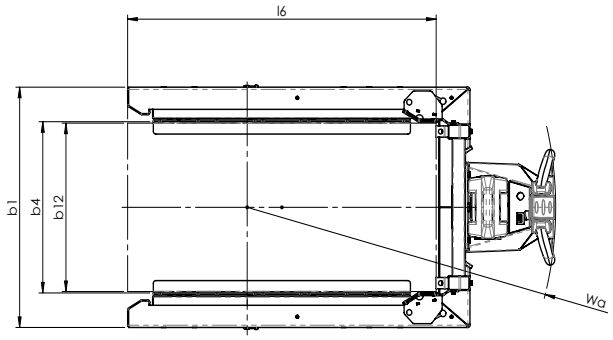
TECHNICAL DATA TT1500-M-SR

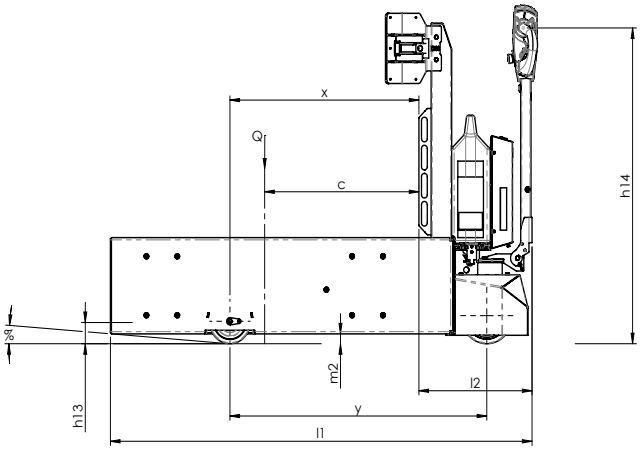
According to VDI 2198

Characteristics	**1.1**	Manufacturer		Movexx International B.V.
	1.2	Model designation		TT1500-M-SR
	1.3	Power unit		Electric w. LiFePo4 battery
	1.4	Operation		Pedestrian
	1.5*	Load capacity	Q [t]	1.5
	1.7**	Load center	c [mm]	600
	1.9	Axle center	x [mm]	735
	1.10	Wheelbase	y [mm]	999
Weight	**2.1**	Service Weight, with 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
Wheels tyres	**3.1**	Tyres, front/rear R=(rubber), PU=(polyurethane))		PU/PU
	3.2	Tyre size, front	mm	200
	3.3	Tyre size, rear	mm	160
	3.5	Wheels, number front/rear (X=drive)		1X/2
Dimensions	**4.9**	Height of tiller arm in driving position, min/max	h_{14} [mm]	800/1100
	4.15	Fork height, lowered	h_{13} [mm]	11.5/81.5(70)
	4.19	Overall length	l_1 [mm]	1640
	4.20	Lenght to fork face	l_2 [mm]	440
	4.21	Overall width	b_1 [mm]	868
	4.22	Fork dimensions	s/e/l	308x98x1200
	4.26	Distance between loading surfaces, open/closed	b^4 [mm]	(660-650)/(620-610)
	4.32	Ground clearance, center of wheelbase	m_2 [mm]	35
	4.33	Load dimensions	$b_{12}xl_6$ [mm]	610x1200
	4.35	Turning radius	W_a [mm]	1200
Performance	**5.1**	Travelling speed, with/without load	[km/h]	4/4.5 (backwards 2/3.5)
	5.2	Lifting speed, with/without load	[mm/s]	8.6/10.6
	5.8*	Max. gradeability laden/unladen	%	0/7.5
	5.9	Acceleration time with/without load	[s]	12/10
	5.10	Service brake		Electromagnetic
Drive unit	**6.1**	Drive motor rating S2 60 min	[KW]	0.7
	6.2	Lift motor rating at 20% Max. 4 min./16 min.	[KW]	0.3
	6.3	Battery acc. To DIN 43531		LiFePo4
	6.4	Battery voltage, nominal capacity	[V/Ah]	24/36
	6.5	Battery weight	kg	12,5
	6.6	Energy consumption acc. to VDI cycle	[KW/h]	n/a
Other	**8.1**	Type of drive control		DC
	10.7	Noise level	[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 driveable weight of the machine.





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