

moveXX

smart electric tugs

EN



Technical datasheet

TT2500-S

M070



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TECHNICAL DATA TT2500-S M070

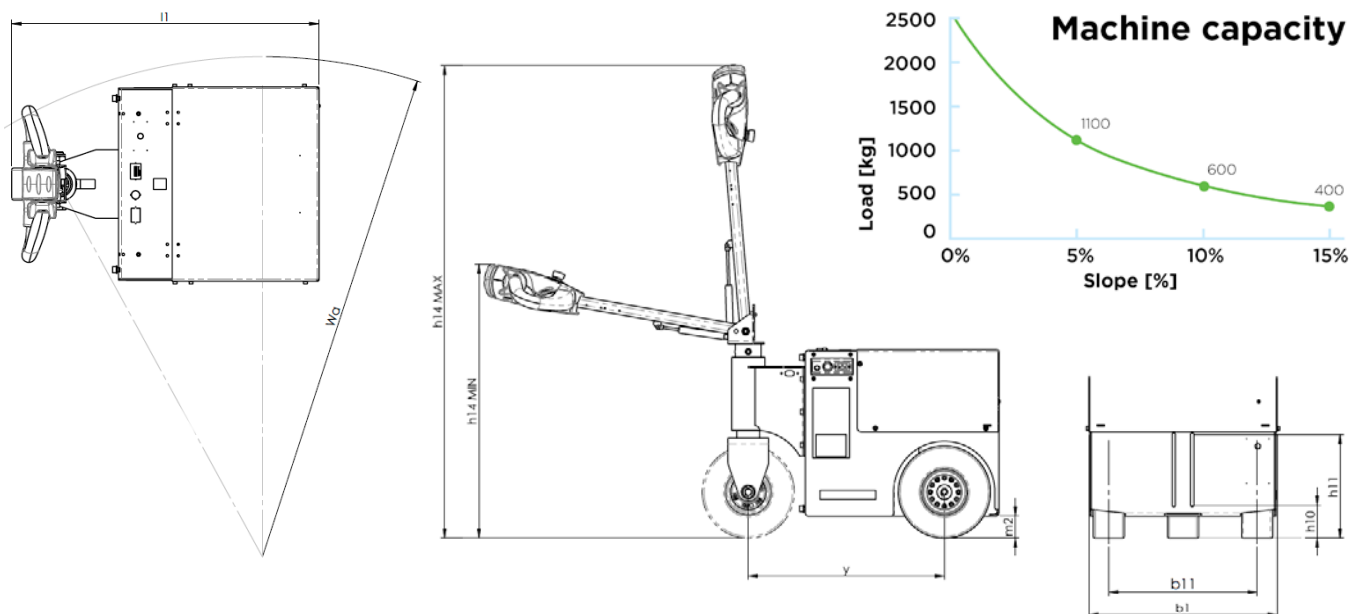
According to VDI 2198 in Metric units.

Characteristics	1.1	Manufacturer		Movexx International B.V.	
	1.2	Manufacturer's type designation		TT2500-S M070	
	1.3	Drive		Electric with lead acid battery	
	1.4	Operator type		Pedestrian	
	1.5*	Rated capacity/rated load	Q [t]	2.5	
	1.7**	Rated drawbar pull	F [N]	492	
	1.9	Wheelbase	y [mm]	532	
Wt	2.1	Weight incl. battery	kg	250	
	2.3	Axle load without load	front/rear	kg	89/161
Tyres/Chassis	3.1	Tyres		Solid Rubber	
	3.2	Tyres size	front	mm	250x84
	3.3	Tyres size	rear	mm	250x84
	3.5	Wheels, number (x = driven)	front/rear		1/x2
	3.6	Tread	front/rear	b_{10}/b_{11} [mm]	-/403
Dimensions	4.9	Tiller height	min./max.	h_{14} [mm]	742-1282
	4.12	Tow coupling height		$h_{10} - h_{11}$ [mm]	90-280
	4.19	Total length		l_1 [mm]	807
	4.21	Total width		b_1 [mm]	511
	4.32	Ground clearance, center of wheel base		m_2 [mm]	60
	4.35	Turning radius		W_a [mm]	1315
Performance	5.1	Travel speeds	with/without load	km/u	3.5/4
	5.1.1	Travel speed backwards	with/without load	km/u	2.5/2.5
	5.5**	Max drawbar pull (S2 = 60 min)	with/without load	N	492
	5.6**	Max drawbar pull (S2 = 5 min)	with/without load	N	1225
	5.8*	Maximum slope (5 min)	with/without load	%	0/15
	5.9	Acceleration	with/without load	s	11/9
	5.10	Service brake			Electromagnetic
Drive	6.1	Drive motor output (S2 = 60 min)		kW	0.6
	6.4	Battery voltage/rated capacity		V/Ah	24/80
	6.5	Battery weight +/- 5%		kg	48
Other	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 driveable weight of the machine.

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



TECHNICAL DATA TT2500-S M070

According to VDI 2198 in Imperial units.

Characteristics	1.1	Manufacturer		Movexx International B.V.
	1.2	Manufacturer's type designation		TT2500-S M070
	1.3	Drive		Electric with lead acid battery
	1.4	Operator type		Pedestrian
	1.5*	Rated capacity/rated load	Q [tn(US)]	2.7
	1.7**	Rated drawbar pull	F [lbf]	110
	1.9	Wheelbase	y [in]	21
Wt	2.1	Weight incl. battery	lb	551
	2.3	Axle load without load	front/rear lb	196/355
Tyres/Chassis	3.1	Tyres		Solid Rubber
	3.2	Tyres size	front in	9.8x3.3
	3.3	Tyres size	rear in	9.8x3.3
	3.5	Wheels, number (x = driven)	front/rear	1/x2
	3.6	Tread	front/rear b_{10}/b_{11} [in]	-/16
Dimensions	4.9	Tiller height	min./max. h_{14} [in]	29-50.5
	4.12	Tow coupling height	$h_{10} - h_{11}$ [in]	3.5-11
	4.19	Total length	l_1 [in]	32
	4.21	Total width	b_1 [in]	20
	4.32	Ground clearance, center of wheel base	m_2 [in]	2.4
	4.35	Turning radius	Wa [in]	52
Performance	5.1	Travel speeds	with/without load mph	2.2/2.5
	5.1.1	Travel speed backwards	with/without load mph	1.6/1.6
	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	275.39
	5.8*	Maximum slope (5 min)	with/without load %	0/15
	5.9	Acceleration	with/without load s	11/9
	5.10	Service brake		Electromagnetic
Drive	6.1	Drive motor output (S2 = 60 min)	hp	0.80
	6.4	Battery voltage/rated capacity	V/Ah	24/80
	6.5	Battery weight +/- 5%	lb	106
Other	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 driveable weight of the machine.

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