



Technical datasheet TT3500-S



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M070

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TECHNICAL DATA TT3500-S M070

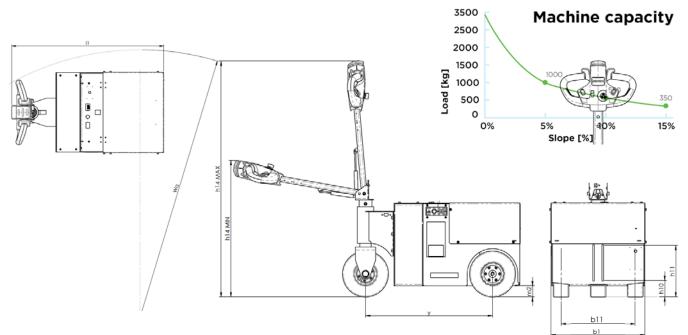
According to VDI 2198 in Metric units.

	1.1	Manufacturer			Movexx International B.V.
ics	1.2	Manufacturer's type designation			TT3500-S M070
Characteristics	1.3	Drive			Electric with lead acid battery
	1.4	Operator type			Pedestrian
ara	1.5*	Rated capacity/rated load		Q [t]	3.5
ç	1.7**	Rated drawbar pull		F [N]	492
	1.9	Wheelbase		y [mm]	690
٨t	2.1	Weight incl. battery		kg	300
5	2.3	Axle loading, without load	front/rear	kg	112/188
sis	3.1	Tyres	front/rear		Solid Rubber
lass	3.2	Tyres size	front	mm	250x84
ۍ ۲	3.3	Tyres size	rear	mm	250x84
Tyres/Chassis	3.5	Wheels, number (x = driven)	front/rear		1/x2
₽	3.6	Tread	front/rear	b ₁₀ /b ₁₁ [mm]	-/403
	4.9	Tiller height	min-max	h ₁₄ [mm]	742-1282
sue	4.12	Tow coupling height	min-max	h ₁₀ [mm]	89.7-280.7
Dimensions	4.19	Overall length		l₁ [mm]	965
ner	4.21	Overall width		b1 [mm]	511
Dir	4.32	Ground clearance, center of wheel base		m₂ [mm]	60
	4.35	Turning radius		Wa [mm]	1450
	5.1	Travel speeds forwards	with/without load	km/h	3.5/4
e	5.1.1	Travel speed backwards	with/without load	km/h	2.5/2.5
anc	5.5**	Max drawbar pull (S2 = 60 min)	with load	Ν	492
Performance	5.6**	Max drawbar pull (S2 = 5 min)	with load	Ν	1225
erfo	5.8*	Maximum slope (5 min)	with/without load	%	0/15
å	5.9	Acceleration	with/without load	S	11/9
	5.10	Service brake			Electromagnetic
۵ ۵	6.1	Drive motor output (S2 = 60 min)		kW	0.6
Drive	6.4	Battery voltage/nominal capacity		V/Ah	24/80
	6.5	Battery weight +/- 5%		kg	47
Other	8.1	Type of drive unit			DC
				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%.



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TECHNICAL DATA TT3500-S M070

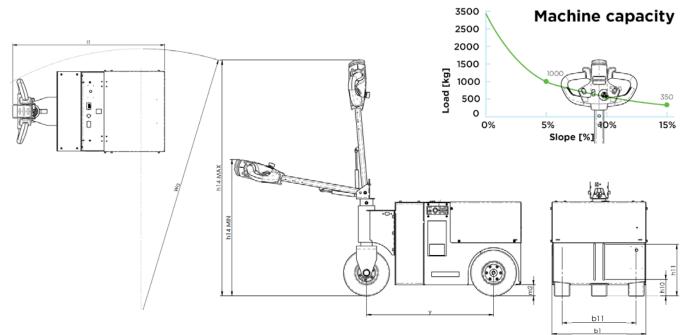
According to VDI 2198 in Imperial units.

St. 2 Manufacturer's type designation TT3500-S M070 1.3 Drive Electric with lead acid battery 1.4 Operator type Pedestrian 1.5* Rated capacity/rated load Q [tn(US)] 3.9 1.7* Rated capacity/rated load Q [tn(US)] 3.9 1.9 Wheelbase y [in] 27 2.1 Weight incl. battery Ib 661 2.3 Axle loading, without load front/rear Ib 247/414 stress front/rear In 9.8x3.3 3.3 3.3 Tyres size front/rear I/x2 3.4 4.9 Tiller height min-max hts [in] 29-50.5 4.12 Tow coupling height min-max hts [in] 20-50.5 4.12 Tow coupling height min-max hts [in] 20-50.5 4.12 Toverall length b, [in] 20 4.32 4.12 Overall length min-max hts [in] 20 4.32 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th></td<>						
1.9Wheelbasey [in]27X2.1Weight incl. batteryIb6612.3Axle loading, without loadfront/rearIb247/4143.1Tyresfront/rearSolid Rubber3.2Tyres sizefrontin9.8x3.33.3Tyres sizerearin9.8x3.33.4Wheels, number (x = driven)front/rear1/x23.5Wheels, number (x = driven)front/rear1/x24.9Tiller heightmin-maxh ₁₄ [in]29-50.54.12Tow coupling heightmin-maxh ₁₆ [in]3.5-114.19Overall lengthmin-maxh ₁₆ [in]204.21Overall lengthwith/without loadmph2.2/2.55.1Travel speeds forwardswith/without loadmph1.5/1.55.5**Max drawbar pull (S2 = 60 min)with loadlbf1105.10Service brakeElectromagnetic11/95.10and full subser statetith/without loadmph1.5/1.55.8*Maximum slope (5 min)with/without load11/95.10Service brakeElectromagnetic6.10Service brakeElectromagneticand full subser statekith/without load11/95.10Service brakeElectromagnetic5.3Maximum slope (5 min)with/without load10/15.4Battery voltage/nominal capacity24/806.5Battery voltage/nominal capacity<	Characteristics	1.1	Manufacturer			Movexx International B.V.
1.9Wheelbasey [in]27X2.1Weight incl. batteryIb6612.3Axle loading, without loadfront/rearIb247/4143.1Tyresfront/rearSolid Rubber3.2Tyres sizefrontin9.8x3.33.3Tyres sizerearin9.8x3.33.4Wheels, number (x = driven)front/rear1/x23.5Wheels, number (x = driven)front/rear1/x24.9Tiller heightmin-maxh ₁₄ [in]29-50.54.12Tow coupling heightmin-maxh ₁₆ [in]3.5-114.19Overall lengthmin-maxh ₁₆ [in]204.21Overall lengthwith/without loadmph2.2/2.55.1Travel speeds forwardswith/without loadmph1.5/1.55.5**Max drawbar pull (S2 = 60 min)with loadlbf1105.10Service brakeElectromagnetic11/95.10and full subser statetith/without loadmph1.5/1.55.8*Maximum slope (5 min)with/without load11/95.10Service brakeElectromagnetic6.10Service brakeElectromagneticand full subser statekith/without load11/95.10Service brakeElectromagnetic5.3Maximum slope (5 min)with/without load10/15.4Battery voltage/nominal capacity24/806.5Battery voltage/nominal capacity<		1.2	Manufacturer's type designation			TT3500-S M070
1.9Wheelbasey [in]272.1Weight incl. batteryIb6612.3Axle loading, without loadfront/rearIb247/4143.1Tyresfront/rearIb247/4143.2Tyres sizefront/rearIn9.8x3.33.3Tyres sizerearin9.8x3.33.4Wheels, number (x = driven)front/rear1/x23.5Wheels, number (x = driven)front/rear1/x23.6Treadfront/rearb ₁₀ /b ₁₁ [in]-/164.9Tiller heightmin-maxh ₁₄ [in]29-50.54.12Tow coupling heightmin-maxh ₁₆ [in]3.5-114.19Overall lengthl, [in]384.21Overall lengthl, [in]2.44.35Turning radiusWa [in]5730Travel speeds forwardswith/without loadmph2.2/2.55.11Travel speed backwardswith/without loadmph1.5/1.55.5**Max drawbar pull (S2 = 60 min)with loadlbf1105.10Service brakeElectromagnetic6.10Service brakeElectromagnetic6.11Drive motor output (S2 = 60 min)with/without load11/95.10Service brakeElectromagnetic6.11Drive motor output (S2 = 60 min)kith without load105.12Service brakeElectromagnetic5.33Battery voltage/nominal capacity24/80 <t< th=""><th>1.3</th><th>Drive</th><th></th><th></th><th>Electric with lead acid battery</th></t<>		1.3	Drive			Electric with lead acid battery
1.9Wheelbasey [in]272.1Weight incl. batteryIb6612.3Axle loading, without loadfront/rearIb247/4143.1Tyresfront/rearIb247/4143.2Tyres sizefront/rearIn9.8x3.33.3Tyres sizerearin9.8x3.33.4Wheels, number (x = driven)front/rear1/x23.5Wheels, number (x = driven)front/rear1/x23.6Treadfront/rearb ₁₀ /b ₁₁ [in]-/164.9Tiller heightmin-maxh ₁₄ [in]29-50.54.12Tow coupling heightmin-maxh ₁₆ [in]3.5-114.19Overall lengthl, [in]384.21Overall lengthl, [in]2.44.35Turning radiusWa [in]5730Travel speeds forwardswith/without loadmph2.2/2.55.11Travel speed backwardswith/without loadmph1.5/1.55.5**Max drawbar pull (S2 = 60 min)with loadlbf1105.10Service brakeElectromagnetic6.10Service brakeElectromagnetic6.11Drive motor output (S2 = 60 min)with/without load11/95.10Service brakeElectromagnetic6.11Drive motor output (S2 = 60 min)kith without load105.12Service brakeElectromagnetic5.33Battery voltage/nominal capacity24/80 <t< th=""><th>1.4</th><th>Operator type</th><th></th><th></th><th>Pedestrian</th></t<>		1.4	Operator type			Pedestrian
1.9Wheelbasey [in]272.1Weight incl. batteryIb6612.3Axle loading, without loadfront/rearIb247/4143.1Tyresfront/rearIb247/4143.2Tyres sizefront/rearIn9.8x3.33.3Tyres sizerearin9.8x3.33.4Wheels, number (x = driven)front/rear1/x23.5Wheels, number (x = driven)front/rear1/x23.6Treadfront/rearb ₁₀ /b ₁₁ [in]-/164.9Tiller heightmin-maxh ₁₄ [in]29-50.54.12Tow coupling heightmin-maxh ₁₆ [in]3.5-114.19Overall lengthl, [in]384.21Overall lengthl, [in]2.44.35Turning radiusWa [in]5730Travel speeds forwardswith/without loadmph2.2/2.55.11Travel speed backwardswith/without loadmph1.5/1.55.5**Max drawbar pull (S2 = 60 min)with loadlbf1105.10Service brakeElectromagnetic6.10Service brakeElectromagnetic6.11Drive motor output (S2 = 60 min)with/without load11/95.10Service brakeElectromagnetic6.11Drive motor output (S2 = 60 min)kith without load105.12Service brakeElectromagnetic5.33Battery voltage/nominal capacity24/80 <t< th=""><th>1.5*</th><th>Rated capacity/rated load</th><th></th><th>Q [tn(US)]</th><th>3.9</th></t<>		1.5*	Rated capacity/rated load		Q [tn(US)]	3.9
X 2.1 Weight incl. battery Ib 661 2.3 Axle loading, without load front/rear Ib 247/414 3.1 Tyres front/rear Ib 247/414 3.1 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 1/x2 4.9 Tiller height min-max hts [in] -/16 4.9 Tiller height min-max hts [in] 29-50.5 4.12 Tow coupling height min-max hts [in] 20-50.5 4.12 Tow coupling height min-max hts [in] 20 4.21 Overall length ui, [in] 38 38 4.21 Overall width bt [in] 20 432 Ground clearance, center of wheel base m2 [in] 57 51 Travel speeds forwards with/without load		1.7**	Rated drawbar pull		F [lbf]	110
2.3Axle loading, without loadfront/rearIb247/414signature3.1Tyresfront/rearSolid Rubber3.2Tyres sizefrontin9.8x3.33.3Tyres sizerearin9.8x3.33.5Wheels, number (x = driven)front/rear1/x23.6Treadfront/rearb10/b11 [in]4.9Tiller heightmin-maxh14 [in]9000000000000000000000000000000000000		1.9	Wheelbase		y [in]	27
Image: Second	٨t	2.1	Weight incl. battery		lb	661
Second Secon		2.3	Axle loading, without load	front/rear	lb	247/414
4.9 Tiller height min-max h ₁₄ [in] 29-50.5 4.12 Tow coupling height min-max h ₁₀ [in] 3.5-11 4.19 Overall length l, [in] 38 3.5-11 4.19 Overall length l, [in] 38 3.5-11 4.19 Overall width b, [in] 20 3.5-11 4.21 Overall width b, [in] 20 3.5-11 4.21 Overall width b, [in] 20 3.5-11 4.32 Ground clearance, center of wheel base m2 [in] 2.4 4.35 Turning radius Wa [in] 57 5.1 Travel speeds forwards with/without load mph 1.5/1.5 5.5** Max drawbar pull (S2 = 60 min) with load lbf 110 5.6** Max drawbar pull (S2 = 5 min) with/without load 0/15 5.9 5.9 Acceleration with/without load 11/9 510 Service brake Electromagnetic 5.9 Acceleration w	is.	3.1	Tyres	front/rear		Solid Rubber
4.9 Tiller height min-max h ₁₄ [in] 29-50.5 4.12 Tow coupling height min-max h ₁₀ [in] 3.5-11 4.19 Overall length l, [in] 38 3.5-11 4.19 Overall length l, [in] 38 3.5-11 4.19 Overall width b, [in] 20 3.5-11 4.21 Overall width b, [in] 20 3.5-11 4.21 Overall width b, [in] 20 3.5-11 4.32 Ground clearance, center of wheel base m2 [in] 2.4 4.35 Turning radius Wa [in] 57 5.1 Travel speeds forwards with/without load mph 1.5/1.5 5.5** Max drawbar pull (S2 = 60 min) with load lbf 110 5.6** Max drawbar pull (S2 = 5 min) with/without load 0/15 5.9 5.9 Acceleration with/without load 11/9 510 Service brake Electromagnetic 5.9 Acceleration w	lass	3.2	Tyres size	front	in	9.8x3.3
4.9 Tiller height min-max h ₁₄ [in] 29-50.5 4.12 Tow coupling height min-max h ₁₀ [in] 3.5-11 4.19 Overall length l, [in] 38 3.5-11 4.19 Overall length l, [in] 38 3.5-11 4.19 Overall width b, [in] 20 3.5-11 4.21 Overall width b, [in] 20 3.5-11 4.21 Overall width b, [in] 20 3.5-11 4.32 Ground clearance, center of wheel base m2 [in] 2.4 4.35 Turning radius Wa [in] 57 5.1 Travel speeds forwards with/without load mph 1.5/1.5 5.5** Max drawbar pull (S2 = 60 min) with load lbf 110 5.6** Max drawbar pull (S2 = 5 min) with/without load 0/15 5.9 5.9 Acceleration with/without load 11/9 510 Service brake Electromagnetic 5.9 Acceleration w	, C	3.3	Tyres size	rear	in	9.8x3.3
4.9 Tiller height min-max h_{14} [in] 29-50.5 4.12 Tow coupling height min-max h_{10} [in] 3.5-11 4.19 Overall length l, [in] 38 4.21 Overall width b, [in] 20 4.32 Ground clearance, center of wheel base m2 [in] 2.4 4.35 Turning radius Wa [in] 57 5.1 Travel speeds forwards with/without load mph 1.5/1.5 5.11 Travel speed backwards with/without load mph 1.5/1.5 5.5** Max drawbar pull (S2 = 60 min) with load lbf 110 5.6** Max drawbar pull (S2 = 5 min) with/without load 0/15 5.9 Acceleration with/without load 11/9 5.10 Service brake Electromagnetic 6.1 Drive motor output (S2 = 60 min) hp 0.8 6.4 Battery voltage/nominal capacity 4/80 24/80 6.5 Battery weight +/- 5% lb 104	res	3.5	Wheels, number (x = driven)	front/rear		1/x2
$ \begin{array}{ c c c c } \hline $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $	₽	3.6	Tread	front/rear	b ₁₀ /b ₁₁ [in]	-/16
4.35Turning radiusWa [in]57 4.35 Turavel speeds forwardswith/without loadmph2.2/2.5 5.1 Travel speed backwardswith/without loadmph1.5/1.5 5.5** Max drawbar pull (S2 = 60 min)with loadlbf110 5.6** Max drawbar pull (S2 = 5 min)with loadlbf275 5.8* Maximum slope (5 min)with/without load0/150/15 5.9 Accelerationwith/without load11/911/9 5.10 Service brakeElectromagneticElectromagnetic 6.1 Drive motor output (S2 = 60 min)hp0.8 6.4 Battery voltage/nominal capacity24/80 6.5 Battery weight +/- 5%lb104		4.9	Tiller height	min-max	h ₁₄ [in]	29-50.5
4.35Turning radiusWa [in]57 4.35 Turavel speeds forwardswith/without loadmph2.2/2.5 5.1 Travel speed backwardswith/without loadmph1.5/1.5 5.5** Max drawbar pull (S2 = 60 min)with loadlbf110 5.6** Max drawbar pull (S2 = 5 min)with loadlbf275 5.8* Maximum slope (5 min)with/without load0/150/15 5.9 Accelerationwith/without load11/911/9 5.10 Service brakeElectromagneticElectromagnetic 6.1 Drive motor output (S2 = 60 min)hp0.8 6.4 Battery voltage/nominal capacity24/80 6.5 Battery weight +/- 5%lb104	sions	4.12	Tow coupling height	min-max	h ₁₀ [in]	3.5-11
4.35Turning radiusWa [in]57 4.35 Turavel speeds forwardswith/without loadmph2.2/2.5 5.1 Travel speed backwardswith/without loadmph1.5/1.5 5.5** Max drawbar pull (S2 = 60 min)with loadlbf110 5.6** Max drawbar pull (S2 = 5 min)with loadlbf275 5.8* Maximum slope (5 min)with/without load0/150/15 5.9 Accelerationwith/without load11/911/9 5.10 Service brakeElectromagneticElectromagnetic 6.1 Drive motor output (S2 = 60 min)hp0.8 6.4 Battery voltage/nominal capacity24/80 6.5 Battery weight +/- 5%lb104		4.19	Overall length		l₁ [in]	38
4.35Turning radiusWa [in]57 4.35 Turning radiusWa [in]57 5.1 Travel speeds forwardswith/without loadmph2.2/2.5 5.1.1 Travel speed backwardswith/without loadmph1.5/1.5 5.5** Max drawbar pull (S2 = 60 min)with loadlbf110 5.6** Max drawbar pull (S2 = 5 min)with loadlbf275 5.8* Maximum slope (5 min)with/without load0/1538* 5.9 Accelerationwith/without load11/911/9 5.10 Service brakeElectromagnetic6.1Drive motor output (S2 = 60 min)hp0.8 6.4 Battery voltage/nominal capacity24/8024/8036.430.4	ner	4.21	Overall width		b1 [in]	20
SinTravel speeds forwardswith/without loadmph2.2/2.55.1Travel speed backwardswith/without loadmph1.5/1.55.5**Max drawbar pull (S2 = 60 min)with loadlbf1105.6**Max drawbar pull (S2 = 5 min)with loadlbf2755.8*Maximum slope (5 min)with/without load0/155.9Accelerationwith/without load11/95.10Service brakeElectromagnetic6.1Drive motor output (S2 = 60 min)hp0.86.4Battery voltage/nominal capacity24/806.5Battery weight +/- 5%lb104	Dir	4.32	Ground clearance, center of wheel base		m² [in]	2.4
Sind Travel speed backwards with/without load mph 1.5/1.5 5.5** Max drawbar pull (S2 = 60 min) with load lbf 110 5.6** Max drawbar pull (S2 = 5 min) with load lbf 275 5.8* Maximum slope (5 min) with/without load 0/15 5.9 Acceleration with/without load 11/9 5.10 Service brake Electromagnetic 6.1 Drive motor output (S2 = 60 min) hp 0.8 6.4 Battery voltage/nominal capacity 24/80 6.5 Battery weight +/- 5% lb 104		4.35	Turning radius		Wa [in]	57
\tilde{P} 5.5** Max drawbar pull (S2 = 60 min)with loadlbf1105.6** Max drawbar pull (S2 = 5 min)with loadlbf2755.8* Maximum slope (5 min)with/without load0/155.9Accelerationwith/without load11/95.10Service brakeElectromagnetic6.1Drive motor output (S2 = 60 min)hp0.86.4Battery voltage/nominal capacity24/806.5Battery weight +/- 5%lb104		5.1	Travel speeds forwards	with/without load	mph	2.2/2.5
S.9 Acceleration With/Without load If/3 5.10 Service brake Electromagnetic 6.1 Drive motor output (S2 = 60 min) hp 0.8 6.4 Battery voltage/nominal capacity 24/80 6.5 Battery weight +/- 5% lb 104	e	5.1.1	Travel speed backwards	with/without load	mph	1.5/1.5
S.9 Acceleration With/Without load If/3 5.10 Service brake Electromagnetic 6.1 Drive motor output (S2 = 60 min) hp 0.8 6.4 Battery voltage/nominal capacity 24/80 6.5 Battery weight +/- 5% lb 104	anc	5.5**	Max drawbar pull (S2 = 60 min)	with load	lbf	110
S.9 Acceleration With/Without load If/3 5.10 Service brake Electromagnetic 6.1 Drive motor output (S2 = 60 min) hp 0.8 6.4 Battery voltage/nominal capacity 24/80 6.5 Battery weight +/- 5% lb 104	Ē	5.6**	Max drawbar pull (S2 = 5 min)	with load	lbf	275
S.9 Acceleration With/Without load If/3 5.10 Service brake Electromagnetic 6.1 Drive motor output (S2 = 60 min) hp 0.8 6.4 Battery voltage/nominal capacity 24/80 6.5 Battery weight +/- 5% lb 104	orfo	5.8*	Maximum slope (5 min)	with/without load		0/15
6.1 Drive motor output (S2 = 60 min) hp 0.8 6.4 Battery voltage/nominal capacity 24/80 6.5 Battery weight +/- 5% lb 104	å	5.9	Acceleration	with/without load		11/9
6.4Battery voltage/nominal capacity24/806.5Battery weight +/- 5%Ib104		5.10	Service brake			Electromagnetic
6.5 Battery weight +/- 5%	Drive	6.1	Drive motor output (S2 = 60 min)		hp	0.8
6.5 Battery weight +/- 5% ID 104		6.4	Battery voltage/nominal capacity			24/80
8.1Type of drive unitDC10.7Sound level at operator's ear<65		6.5	Battery weight +/- 5%		lb	104
to 7 Sound level at operator's ear <65	Other	8.1	Type of drive unit			DC
		10.7	Sound level at operator's ear			<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 driveable weight of the machine.

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



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