

moveXX

smart electric tugs

EN



Technical datasheet

TT1000-F

M020



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TECHNICAL DATA TT1000-F M020

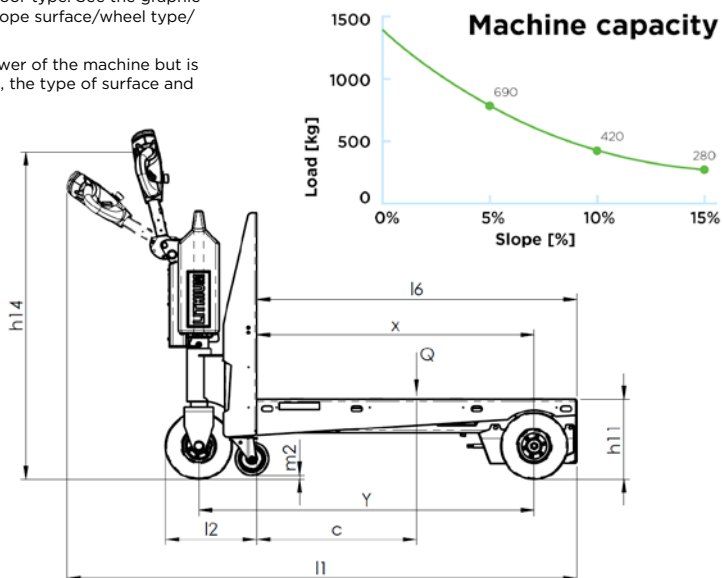
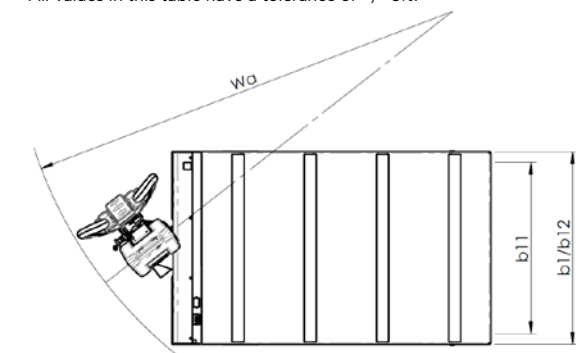
According to VDI 2198 in Metric units.

Characteristics	1.1	Manufacturer		Movexx International B.V.	
	1.2	Manufacturer's type designation		TT1000-F M020	
	1.3	Drive		Electric with LiFePo ₄ battery	
	1.4	Operator type		Pedestrian	
	1.5*	Load capacity	Q [t]	1	
	1.6	Load center	c [mm]	600	
	1.7**	Rated drawbar pull	F [N]	400	
	1.8	Load distance, centre of drive axle to load face	x [mm]	1040	
	1.9	Wheelbase	y [mm]	1256	
Wt	2.1	Weight incl. battery	kg	180	
	2.2	Axle load with load	front/rear	kg	440/740
	2.3	Axle load without load	front/rear	kg	90/90
Tyres/Chassis	3.1	Tyres		Solid Rubber	
	3.2	Tyres size	front	mm	250x85
	3.3	Tyres size	rear	mm	250x85
	3.4	Auxiliary wheels size		mm	125
	3.5	Wheels, number (x = driven)	front/rear		1/x2
	3.6	Tread	front/rear	b ₁₀ / b ₁₁ [mm]	-/710
Dimensions	4.9	Tiller height	min./max.	h ₁₄ [mm]	1087-1180-1228
	4.12	Tow coupling height		h ₁₀ [mm]	84-274
	4.13	Loading height		h ₁₁	300
	4.19	Total length		l ₁ [mm]	1910
	4.20	Lenght to load face		l ₂ [mm]	341
	4.21	Total width		b ₁ [mm]	800
	4.32	Ground clearance, center of wheel base		m ₂ [mm]	16
	4.33	Load dimensions		b ₁₂ x l ₆ [mm]	800x1200
4.35	Turning radius		Wa [mm]	1828	
Performance	5.1	Travel speeds	with/without load	km/h	4/4
	5.1.1	Travel speed backwards	with/without load	km/h	2/2
	5.5**	Max drawbar pull (S2 = 60 min)	with/without load	N	135/400
	5.6**	Max drawbar pull (S2 = 5 min)	with/without load	N	275/1000
	5.8*	Maximum slope (5 min)	with/without load	%	2/15
	5.9	Acceleration	with/without load	s	9/11
	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	24/20
	6.5	Battery weight +/- 5%		kg	8.5
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 TT1000-F M020

According to VDI 2198 in Imperial units.

Characteristics	1.1	Manufacturer		Movexx International B.V.	
	1.2	Manufacturer's type designation		TT1000-F M020	
	1.3	Drive		Electric with LiFePo ₄ battery	
	1.4	Operator type		Pedestrian	
	1.5*	Load capacity	Q [tn(US)]	1.1	
	1.6	Load center	c [in]	23.5	
	1.7**	Rated drawbar pull	F [lbf]	90	
	1.8	Load distance, centre of drive axle to load face	x [in]	41	
	1.9	Wheelbase	y [in]	50	
Wt	2.1	Weight incl. battery	lb	397	
	2.2	Axle load with load	front/rear lb	970/1632	
	2.3	Axle load without load	front/rear lb	199/199	
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	
	3.4	Auxiliary wheels size	in	5	
	3.5	Wheels, number (x = driven)	front/rear	1/x2	
	3.6	Tread	front/rear	b ₁₀ / b ₁₁ [in]	-/28
Dimensions	4.9	Tiller height	min./max.	h ₁₄ [in]	43-46.5-48.5
	4.12	Tow coupling height		h ₁₀ [in]	3.3-10.8
	4.13	Loading height		h ₁₁	300
	4.19	Total length		l ₁ [in]	75
	4.20	Lenght to load face		l ₂ [in]	13.5
	4.21	Total width		b ₁ [in]	31.5
	4.32	Ground clearance, center of wheel base		m ₂ [in]	0.6
	4.33	Load dimensions		b ₁₂ x l ₆ [in]	31.5x47
4.35	Turning radius		Wa [in]	72	
Performance	5.1	Travel speeds	with/without load	mph	2.5/2.5
	5.1.1	Travel speed backwards	with/without load	mph	1.3/1.3
	5.5**	Max drawbar pull (S2 = 60 min)	with/without load	lbf	30.5/90
	5.6**	Max drawbar pull (S2 = 5 min)	with/without load	lbf	62/225
	5.8*	Maximum slope (5 min)	with/without load	%	2/15
	5.9	Acceleration	with/without load	s	9/11
	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	24/20	
	6.5	Battery weight +/- 5%	lb	18.5	
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 [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%.

