



Technical datasheet AA1000-S

M020

TECHNICAL DATA AA1000-S M020

According to VDI 2198

Characteristics	1.1	Manufacturer		Movexx International B.V.
	1.2	Model designation		AA1000-S
	1.3	Power unit		Electric w. LiFePo4 battery
	1.4	Operation type		AGV/AMR
	1.5*	Rated capacity/Load capacity	Q [t]	1
	1.7**	Rated drawbar pull	F [N]	489
1.9	Wheelbase	y [mm]	613	
Wt	2.1	Weight, incl battery	kg	192
	2.2	Axle load without load	front/rear	kg 92/100
Wheels / tyres	3.1	Tyres		Solid rubber
	3.2	Tyre size	front	mm 125 x 40
	3.3	Tyre size	rear	mm 250 x 85
	3.5	Wheels, number front/rear (x = drive)		1/2x
3.6	Tread width	front/rear	b_{10}/b_{11} [mm]	-/402
Dimensions	4.2.1	Overall height	min./max.	h_{12} [mm] 390/1636
	4.12	Tow coupling height		h_{10} [mm] 240/310
	4.19	Total length		l_1 [mm] 1052
	4.21	Total width		b_1 [mm] 513
	4.32	Ground clearance, center of wheel base		m_2 [mm] 15
	4.35	Turning radius		w_a [mm] 930
Performance	5.1	Travel speed forwards	with/without load	km/h 2,5/4
	5.1.1	Travel speed backwards***	with/without load	km/h 0/0,5
	5.5**	Max. drawbar pull (S2 = 120 Min)	with/without load	N 725
	5.8*	Maximum slope (5 min)	with/without load	% 0/0
	5.9	Acceleration	with/without load	m/s^2 0,5
	5.10	Service brake		Electromagnetic
Drive	6.1	Drive motor output (S2 = 60 Min)	kW	0,6
	6.4	Battery voltage, nominal capacity	[V/Ah]	24/36
	6.5	Battery weight +/- 5%	kg	12
Other	8.1	Drive control		DC
	10.7	Noise level	dB(A)	65

* The maximum payload is affected by the type of slope, operating time and floor type.

** 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.

*** Driving backwards only allowed when connecting to load

