Mobile robot low-level applications

EAE 212a

Lift height: 250 mm / Load capacity: 1200 kg

LI·ION technology
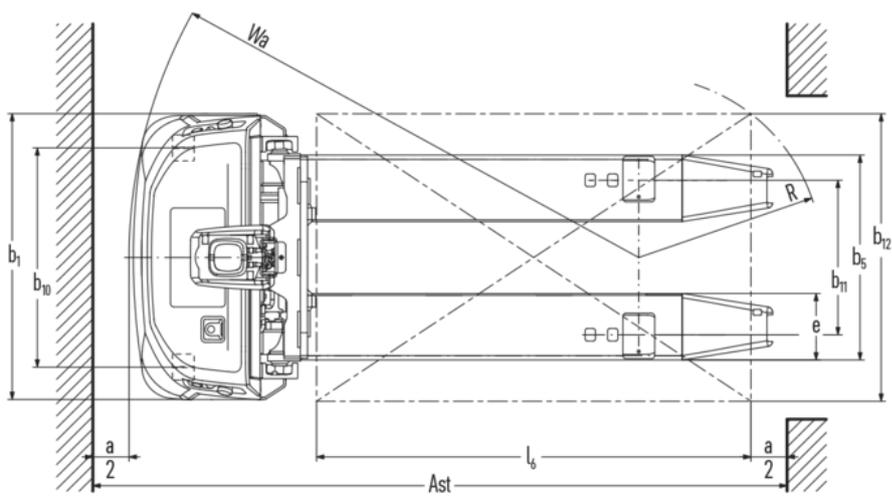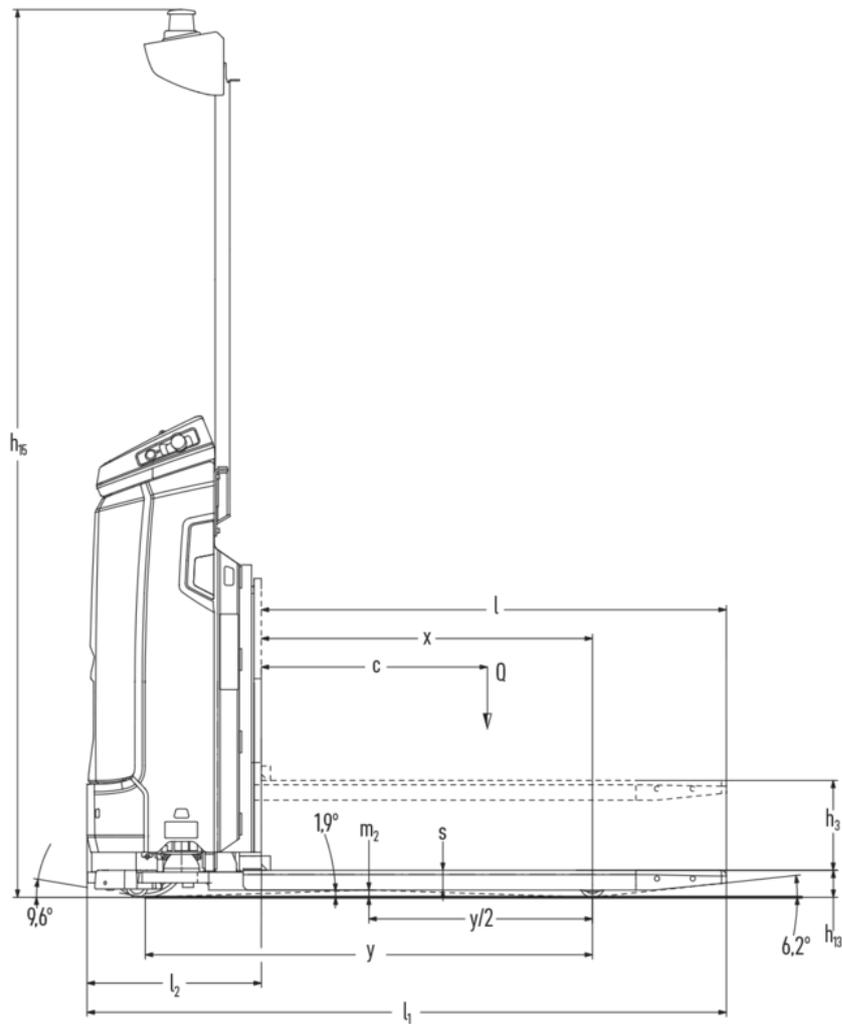
EAE 212a

VDI table

Characteristic	1.1	Manufacturer (abbreviated description)				Jungheinrich
	1.2	Manufacturer's type designation				EAE 212a
	1.3	Drive type				electric
	1.4	Operation				Automatic
	1.5	Load capacity/load	Q	kg		1200
	1.6	Load centre distance	c	mm		625
	1.8	Load distance, centre of drive axle to fork	x	mm		915
	1.9	Wheelbase	y	mm		1235
Weights	2.1.1	Service weight (incl. battery)		kg		650
	2.2	Axle load laden front/rear		kg		800 / 1050
	2.3	Axle load unladen front/rear		kg		503 / 147
Wheels/chassis	3.1	Tyres				Polyurethane (PU)
	3.2	Tyre size, front				ø230x65
	3.3	Tyre size, rear				ø70x75
	3.4	Additional wheels				ø60x35
	3.5	Wheels, number front/back (x=driven)				1(x) + 2 / 2
	3.6	Tread width, front	b10	mm		610
	3.7	Tread width, rear	b11	mm		430
Basic dimensions	4.2.1	Total height	h15	mm		2470
	4.4	Lift (h3)	h3	mm		250
	4.15	Height, lowered	h13	mm		75
	4.19	Total length	l1	mm		1766
	4.20	Length including fork shank	l2	mm		481
	4.21.1	total width	b1	mm		795
	4.22	Fork dimensions	s/e/l	mm		55 x 185 x 1285
	4.25	Width across forks	b5	mm		570
	4.32	Ground clearance centre of wheelbase	m2	mm		20
Performance data	5.1	Travel speed laden/unladen		km/h		6 / 6
	5.2	Lift speed laden/unladen		m/s		0.1 / 0.17
	5.3	Lowering speed laden/unladen		m/s		0.08 / 0.07
	5.7	Gradeability laden/unladen		%		0 / 0
	5.10	Service brake				generative
Electric motor/electronics	6.1	Drive motor, performance S2 60 min		kW		2
	6.2	Lift motor, performance with S3		kW		2.2
	6.3	Battery according to DIN 43531/35/36				no
	6.4	Battery voltage/nominal capacity		V / Ah		25.6 / 130
	6.5	Battery weight		kg		55

Other	10.7	Sound pressure level according to EN12053	dB (A)	54

- This data sheet according to VDI guideline 2198 only states the technical values of the standard truck. Different tyres, other masts, additional equipment etc. may result in different values.

The values in the table refer to a vehicle with a load overhang of 25 mm.

- VDI No. 1.6: With a load overhang of 50 mm: c = 650 mm.
- VDI No. 4.19: With a load overhang of 50 mm: l1 = 1816 mm.
- VDI No. 4.2.1: Total height with optional bracket folded in: 1891 mm; folded out: 2470 mm.
- VDI No. 4.22: With a load overhang of 50 mm: s/e/l = 55 / 185 / 1335 mm.
- VDI No. 4.34.2: With a load overhang of 50 mm: Ast = 2130 mm.
- VDI No. 5.2: Lifting speed with load measured at a nominal load of 1.2 t.
- VDI No. 5.3: Lowering speed with load measured at a nominal load of 1.2 t.