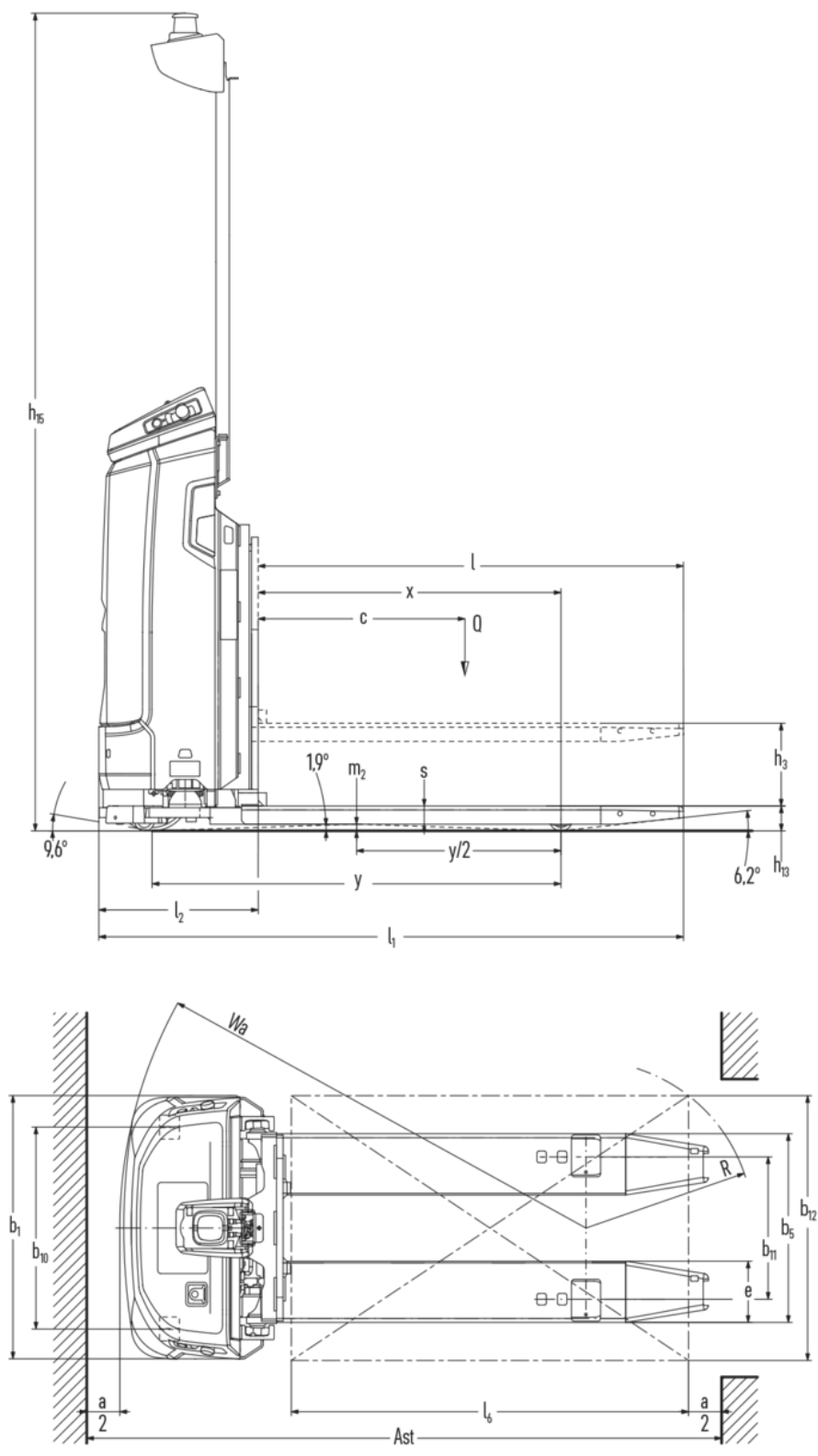




Mobile robot low-level applications

EAE 212a

Lift height: 250 mm / Load capacity: 1200 kg



VDI table

Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich
	1.2	Manufacturer's type designation		EAE 2a
	1.3	Drive		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/suspension system	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
E-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: $l_1 = 1816$ 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: $A_{st} = 2130$ 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.