KSi201

HEAVY-DUTY DOUBLE-DECK STACKER 2.0T

2000 kg | 2100 mm | 24 V Li-ion

The KSi201 is ideal for high-traffic warehouses, logistics centers, and distribution hubs where speed, endurance, and flexibility are crucial. Thanks to its initial lift, it provides extra ground clearance for docks and ramps and supports double decking for maximum efficiency. With lift heights of up to 2.1 m and ergonomic operator compartment including adjustable tiller, suspended platform, and padded backrest, it ensures both performance and operator comfort.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			KSi201
Battery voltage		V	24
Rated capacity	Q	kg	2000
Load centre distance	c	mm	600
Service weight		kg	920
Height, mast lowered	h_1	mm	1316
Lift	h_3	mm	1600
Height, mast extended	h_4	mm	2112
Overall length	l_1	mm	2456
Overall width	b_1/b_2	mm	734
Length to face of forks	l_2	mm	1306
Fork dimensions	s/e/l	mm	55×185×1150
Turning radius	Wa	mm	2236
Drive			Electric
Operator type			Standing

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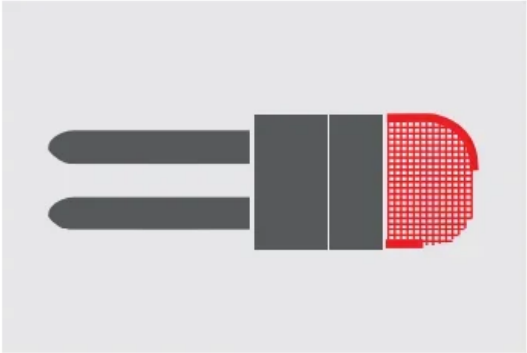
Features

Double-deck efficiency

The initial lift enables operators to move two pallets simultaneously, improving productivity and reducing travel cycles. It also provides the ground clearance needed for ramps and uneven surfaces.



Advanced Li-ion power system

Equipped with a 24V/205Ah Li-ion battery and integrated 30A charger for convenient daily use. An optional 100A external charger reduces downtime with full recharging in just 2 hours.

Ergonomic operator compartment

A suspended, vibration-free platform with protective steel shell, adjustable tiller, padded backrest, and handrails ensures operator comfort and safety in high-traffic warehouses.

Durability and proven components

The KSi201 inherits proven technology from the KPL201 series, combining a mature drive unit with AC motor and sturdy mast structure, ensuring reliability, control, and long service life.

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VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			KSi201
1.3	Drive			Electric
1.4	Operator type			Standing
1.5	Rated capacity	Q	kg	2000
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	926
1.9	Wheelbase	y	mm	1550
2.1	Service weight		kg	920
2.2	Axle loading, laden front/rear		kg	990/1930
2.3	Axle loading, unladen front/rear		kg	680/240
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	230×75
3.3	Tyre size, rear		mm	85×70
3.4	Additional wheels (castor wheels)		mm	130×55
3.5	Wheels, number front/rear (x=drive wheels)			1x,2/4
3.6	Tread width, front	b_{10}	mm	514
3.7	Tread width, rear	b_{11}	mm	385
4.2	Height, mast lowered	h_1	mm	1316
4.4	Lift	h_3	mm	1600
4.5	Height, mast extended	h_4	mm	2112
4.6	Initial lift		mm	120
4.9	Height drawbar in driving position min./max.	h_{14}	mm	1190/1290
4.15	Height, lowered	h_{13}	mm	92
4.19	Overall length	l_1	mm	2456
4.20	Length to face of forks	l_2	mm	1306
4.21	Overall width	b_1/b_2	mm	734
4.22	Fork dimensions	s/e/l	mm	55×185×1150
4.24	Fork carriage width		mm	55×185
4.25	Distance between fork-arms	b_5	mm	570
4.31	Ground clearance, laden, below mast		mm	16

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	SPECIFICATION	REF	UNIT	VALUE
4.32	Ground clearance, centre of wheelbase	m_2	mm	16
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3026
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2920
4.35	Turning radius	Wa	mm	2236
5.1	Travel speed, laden/unladen		km/h	8.5/10
5.2	Lift speed, laden/unladen		m/s	0.18/0.23
5.3	Lowering speed, laden/unladen		m/s	0.36/0.18
5.8	Max. gradeability, laden/unladen		%	8/16
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	2.5
6.2	Lift motor rating at S3 15%		kW	3
6.4.1	Battery voltage		V	24
6.4.2	Battery nominal capacity K5		Ah	205
6.4.3	Battery type			Li-ion
6.5	Battery weight		kg	70
6.6	Energy consumption according to DIN EN 16796		kWh/h	0.397 [1)]
6.7	Turnover output according to VDI 2198			120
6.8	Turnover efficiency according to VDI 2198			114.5
8.1	Type of drive unit			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the driver's seat		dB(A)	74
15.1	Charger output current		A	120

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.

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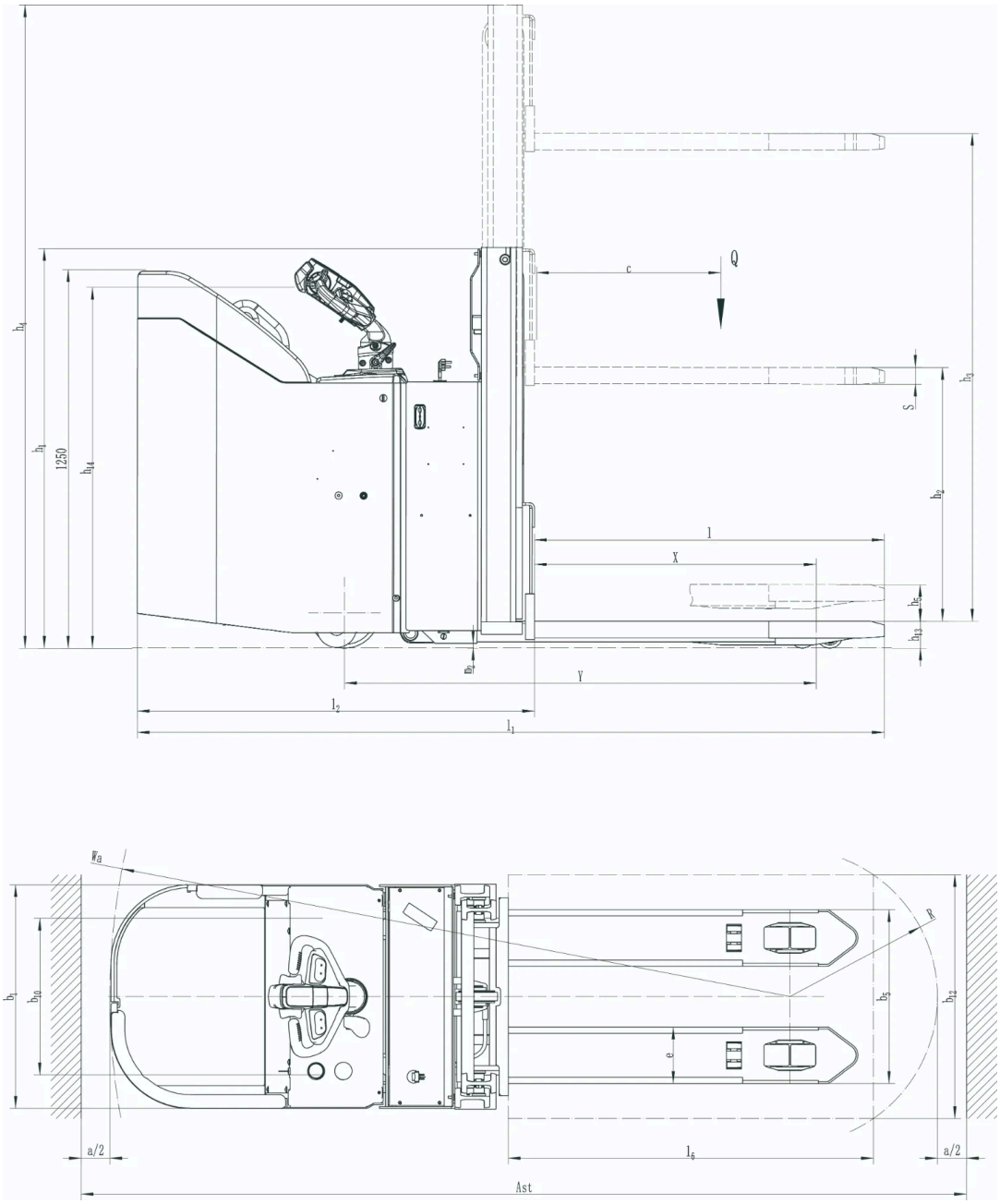
VDI Drawing



Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	HEIGHT, FREE LIFT, WITH SHELVING (H2, MM)
2-Standard Mast	1600	1316	2112
2-Standard Mast	2100	1566	2612

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Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	570*1150 | 570*1220 | 685*1150 | 685*1220
Fork lowered height	92
Fork carriage width option	650mm
Load wheel type	Double | Single
Load wheel material	PU
Drive wheel material	PU | Trace PU | Rubber | PU (NDI)
Battery capacity	205Ah (Li-ion)
Charger	24V-30A internal | 24V-100A external
Battery indicator	With hourmeter
Castor wheels	Yes and not customized
Buzzer	No | Yes and not customized
Telematics	No | Yes and not customized
Proportional lift system	Yes and not customized
Overhead guard	No | Yes and not customized

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