

# KSi201

## HEAVY-DUTY DOUBLE-DECK STACKER 2.0T

 2000 kg  2100 mm  24 V



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.

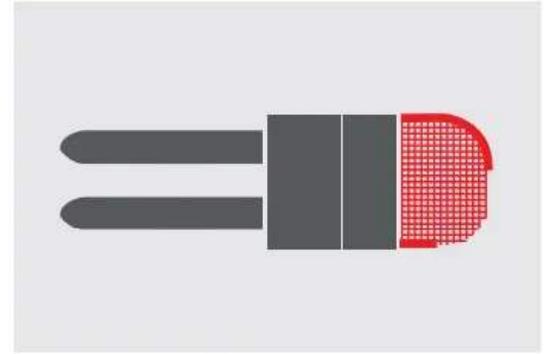
SPECIFICATION	REF	UNIT	VALUE
Battery nominal capacity		Ah	205
Battery voltage		V	24
Load capacity	Q	kg	2000
Load centre distance	c	mm	600
Service weight		kg	920
Retracted mast height	$h_1$	mm	1316
Lift height	$h_3$	mm	1600
Height, mast extended	$h_4$	mm	2112
Overall length		mm	2456
Overall width	$b_1/b_2$	mm	734
Length to face of forks	l <sub>2</sub>	mm	1306
Fork dimensions	s/e/l	mm	55×185×1150
Turning radius		Wa	2236
Operator type			Standing
Load distance, centre of drive axle to fork		mm	926
Wheelbase		mm	1550

# Features

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## 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

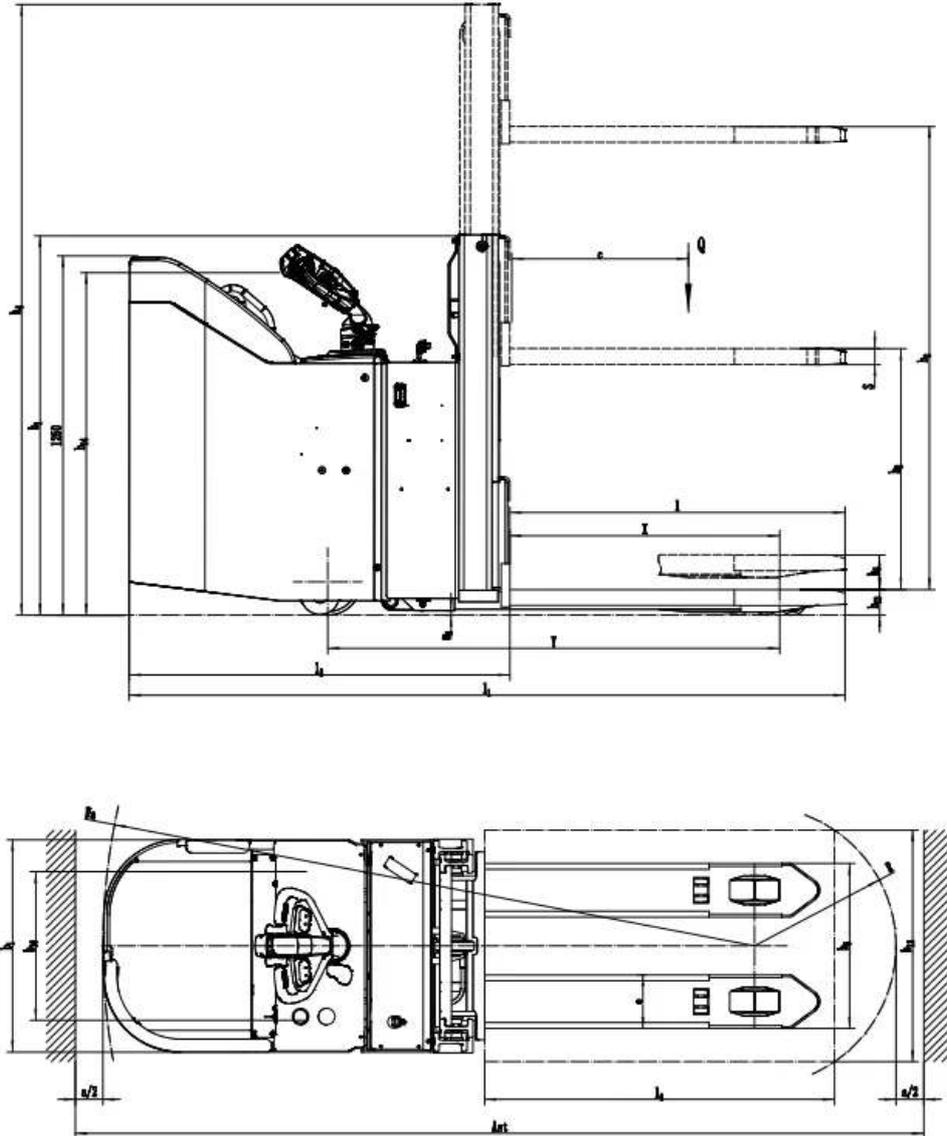
The KSi201 inherits proven technology from the KPL201 series, combining a mature drive unit with AC motor and sturdy mast structure, ensuring reliability, control, and long service life.

# VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Standing
1.5	Load capacity	Q	kg	2000
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork		mm	926
1.9	Wheelbase		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	Tyre type			Polyurethane
3.2	Tyre size, front			230×75
3.3	Tyre size, rear			85×70
3.5	Additional wheels (castor wheels)			130×55
3.5	Wheels, number front/rear (x=drive wheels)			1x,2/4
3.6	Tread width, front	b <sub>10</sub>	mm	514
3.7	Tread width, rear	b <sub>11</sub>	mm	385
4.10	Height of wheel arms		mm	92
4.15	Lowered height			92
4.19	Overall length		mm	2456
4.2	Retracted mast height	h <sub>1</sub>	mm	1316
4.20	Length to face of forks	l <sub>2</sub>	mm	1306
4.21	Overall width	b <sub>1</sub> /b <sub>2</sub>	mm	734
4.22	Fork dimensions	s/e/l	mm	55×185×1150
4.24	Fork carriage width		mm	55×185
4.26	Distance between wheel arms/loading surfaces			570
4.3	Free lift		mm	100
4.31	Ground clearance, laden, below mast		mm	16
4.32	Ground clearance, centre of wheelbase		mm	16
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	3026
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	2920
4.35	Turning radius		Wa	2236
4.4	Lift height	h <sub>3</sub>	mm	1600
4.4.1	Max lift height		mm	2100

	SPECIFICATION	REF	UNIT	VALUE
4.5	Height, mast extended	$h_4$	mm	2112
4.6	Initial lift		mm	120
4.8	Seat height/standing height		mm	1190/1290
4.9	Height of tiller handle in drive position min./max.			1190/1290
5.1	Travel speed, laden/unladen		km/h	8.5/10
5.10	Service brake			Electromagnetic
5.2	Lifting 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
6.1	Drive motor rating S2 60 min		kW	2.5
6.2	Lift motor rating at S3 15%		kW	3
6.4	Battery nominal capacity		Ah	205
6.4	Battery voltage		V	24
6.5	Battery weight		kg	70
6.5	Charger output current		A	120
6.6	Energy consumption according to DIN EN 16796		kWh/h	0.397 <sup>1)</sup>
6.7	Turnover output according to VDI 2198			120
6.8	Turnover efficiency according to VDI 2198			114.5
8.1	Type of drive control			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the drivers ear		dB(A)	74

# 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

# 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 display indicator (BDI)	With hourmeter
Buzzer	No   Yes and not customized
Telematics	No   Yes and not customized
Castor wheels	Yes and not customized
Proportional lift system	Yes and not customized
Overhead guard	No   Yes and not customized