KPL201H

HEAVY-DUTY RIDE-ON PALLET TRUCK H 2.0T

2000 kg | 120 mm | 24 V Li-Ion

The KPL201H is designed for logistics hubs, large warehouses, and distribution centers where speed and endurance are critical. Operators benefit from a suspended platform, padded backrest, and ergonomic tiller for comfortable long-shift use. Its high-speed capability makes it ideal for facilities with high-volume pallet transfers, while creep speed mode and proportional steering ensure safe and precise handling in confined spaces.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Li-Ion
Battery nominal capacity K5		Ah	205
Battery voltage		V	24
Rated capacity	Q	kg	2000
Load centre distance	c	mm	600
Service weight		kg	705
Lift	h_3	mm	120
Overall length	l_1	mm	2195
Overall width	b_1/b_2	mm	734
Length to face of forks	l_2	mm	1045
Fork dimensions	s/e/l	mm	55x170x1150
Turning radius	Wa	mm	2034
Manufacturer			EP
Model designation			KPL201H
Drive			Electric
Operator type			Standing

Features

High-speed configuration

The KPL201H is optimized for faster pallet transfers across large facilities, significantly improving productivity without compromising on safety and control.

Efficient Li-ion power

Equipped with a 24V/205Ah Li-ion battery and 100A external charger, the truck supports rapid charging and requires zero maintenance, ensuring continuous multi-shift performance.

Enhanced stability and safety

Automatic speed reduction during cornering, a lowered center of gravity, and reinforced chassis stability guarantee safe operation even under demanding conditions.

Operator comfort and ergonomics

A suspended platform, padded backrest, and ergonomic steering provide superior comfort during long-distance travel, while creep speed mode ensures precise maneuvering in narrow aisles.

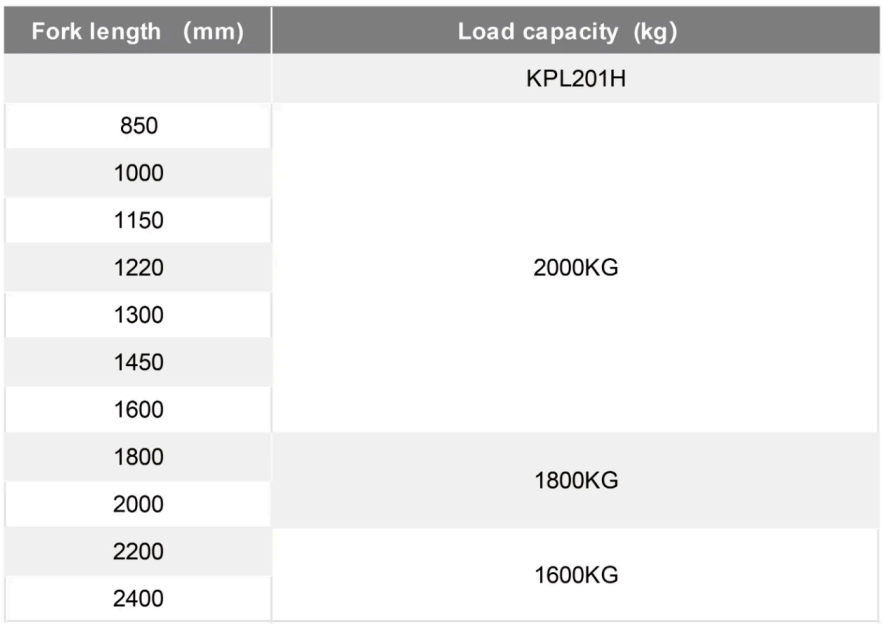
VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP

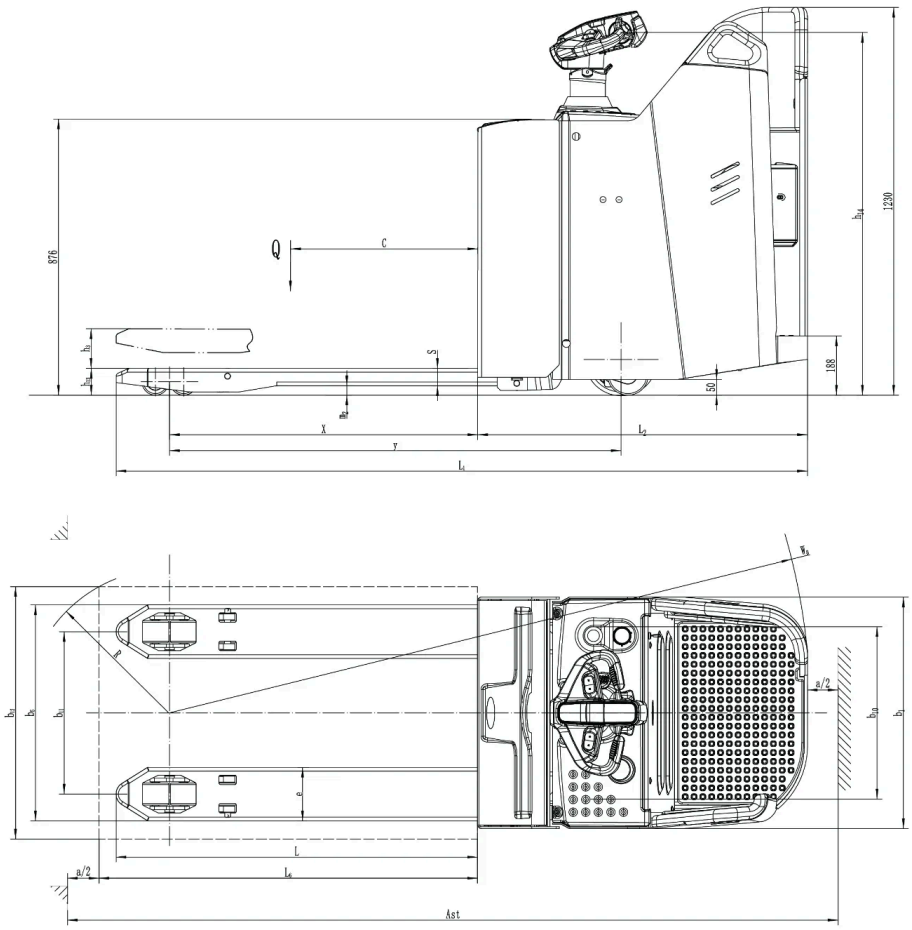
	SPECIFICATION	REF	UNIT	VALUE
1.2	Model designation			KPL201H
1.3	Drive			Electric
1.4	Operator type			Standing
1.5	Rated capacity	Q	kg	2000
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	976
1.9	Wheelbase	y	mm	1433
2.1	Service weight		kg	705
2.2	Axle loading, laden front/rear		kg	945/1760
2.3	Axle loading, unladen front/rear		kg	575/130
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ85x70
3.3	Tyre size, rear		mm	Φ230x75
3.4	Additional wheels (castor wheels)		mm	Φ130x55
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	370/515
4.4	Lift	h_3	mm	120
4.9	Height drawbar in driving position min./max.	h_{14}	mm	1154/1254
4.15	Height, lowered	h_{13}	mm	85
4.19	Overall length	l_1	mm	2195
4.20	Length to face of forks	l_2	mm	1045
4.21	Overall width	b_1/b_2	mm	734
4.22	Fork dimensions	s/e/l	mm	55x170x1150
4.25	Distance between fork-arms	b_5	mm	540/685
4.32	Ground clearance, centre of wheelbase	m_2	mm	30
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2834
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2685
4.35	Turning radius	Wa	mm	2034
5.1	Travel speed, laden/unladen		km/h	9/12
5.2	Lift speed, laden/unladen		m/s	0.050/0.054
5.3	Lowering speed, laden/unladen		m/s	0.067/0.054
5.8	Max. gradeability, laden/unladen		%	8/16
5.10	Service brake			Electromagnetic

	SPECIFICATION	REF	UNIT	VALUE
6.1	Drive motor rating S2 60 min		kW	3
6.2	Lift motor rating at S3 15%		kW	2.2
6.4	Battery nominal capacity K5		Ah	205
6.4	Battery voltage		V	24
6.4.1	Battery type			Li-Ion
6.5	Battery weight		kg	62
6.6	Energy consumption according to DIN EN 16796		kWh/h	0.219 [1)]
6.7	Turnover output according to VDI 2198			132
6.8	Turnover efficiency according to VDI 2198			141.18
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

VDI Drawing



Fork length (mm)	Load capacity (kg)
	KPL201H
850	2000KG
1000	
1150	
1220	
1300	
1450	
1600	
1800	1800KG
2000	
2200	1600KG
2400	



Options

ITEM	OPTIONS (optional items marked in yellow)
Fork lowered height	85
Load wheel type	Double | Single
Load wheel material	PU
Drive wheel material	PU | Trace PU | Rubber | PU (High Performance)
Battery capacity	205Ah (Li-ion truck) | 280Ah (Lead-acid truck) | 210Ah/345Ah (Lead-acid truck)
Charger	24V-100A external charger (for 205Ah battery) | 24V-30A external charger (for 210/280Ah battery) | 24V-50A external charger (for 345Ah battery)
Battery display indicator (BDI)	With hourmeter
Castor wheels	Castor wheels
Fork length	1150/1220 | 850/1000/1300/1450/1600/1800 /2000/2200/2400
Fork width	540/685
Load backrest height	1220 mm (48in) | 1520 mm (60in)