



COSMEC

KPL201(H)

Heavy-duty Li-ion Ride-on Pallet Truck 2000kg



- Heavy duty truck with steel chassis for maximum operator protection
- High maneuverability thanks to the power steering and compact chassis
- Great ergonomics with height-adjustable tiller, suspended operator's platform, padded backrest
- Standard and H version to match all customer needs
- High travelling speed and gradeability
- Powerful AC vertical traction motor
- Automatic speed reduction when turning



Manufacturer			COSMEC	COSMEC	COSMEC
Model designation			KPL201(Lead acid)	KPL201(Li-ion)	KPL201H
Drive			Electric	Electric	Electric
Load capacity	Q	kg	2000	2000	2000
Load center distance	c	mm	600	600	600
Service weight		kg	838	760	705
Length to face of forks	l2	mm	1234	1234	1045
Overall width	b1/b2	mm	734	734	734
Fork dimensions	s/e/l	mm	55x170x1150	55x170x1150	55x170x1150
Turning radius	Wa	mm	2217	2217	2034
Travel speed, laden/unladen		km/ h	8.5/10.0	8.5/10.0	9/12
Max. gradeability, laden/unladen		%	6/16	6/16	8/16
Battery voltage/nominal capacity		V/Ah	24/280	24/205	24/205
Drive motor rating S2 60 min		kW	1.6	1.6	3

MATERIALHANDLINGEQUIPMENT

www.wijayamachinery.com

V2405.02

FEATURE

■ High travel speed and power steering for efficient and effortless transport

Power steering for precise and effortless transport operations. The KPL201(H) comes standard with power steering, offering great performance and operation stability due to its reliable drive system, which allow precise control capabilities, ensuring both efficiency and accuracy in every operation.



■ Li-ion technology for intensive applications

Equipped with a 24V/205Ah Li-ion battery and 100A external charger as standard, the KPL201(H) offers long endurance, fast opportunity charging with no maintenance and no gas emission, facilitating seamless operation and maximizing productivity.



■ User-centered design for operator comfort and safety

The KPL201(H) comes with automatic speed reduction when turning that ensures safe and smooth operation even at high speeds. Its adjustable tiller head can be tailored to match the operator's height. The suspended platform, the semi-enclosed operator compartment with padded backrest and comfortable handle offer fatigue-free operation and necessary protection in case of hit with obstacles.



■ H version for most demanding applications

The new KPL201H is the perfect choice when the highest efficiency is a priority. The more powerful controller and traction motor allow faster acceleration and a maximum speed of 12km/h. The new height-adjustable tiller head is equipped with automatic center positioning. Thanks to the lower center of gravity, the stability at a fast speed and on turns during cornering is improved and the shorter chassis allow a easier material handling.



Heavy-duty Li-ion Ride-on Pallet Truck 2000kg

KPL201

Distinguishing mark	1.1	Manufacturer			COSMEC	COSMEC
	1.2	Model designation			KPL201 (Li-ion)	KPL201(Lead acid)
	1.3	Drive			Electric	Electric
	1.4	Operator type			Standing	Standing
	1.5	Load capacity	Q	kg	2000	2000
	1.6	Load center distance	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	977	977
	1.9	Wheelbase	y	mm	1529	1529
Service weight	2.1	Service weight		kg	765	838
	2.2	Axle loading, laden front/rear		kg	985 / 1780	1058/ 1780
	2.3	Axle loading, unladen front/rear		kg	615 / 150	688 / 150
Tyres/chassis	3.1	Tyre type			Polyurethane	Polyurethane
	3.2.1	Tyre size, front		mm	Φ85x70	Φ85x70
	3.3.1	Tyre size, rear		mm	Φ230x75	Φ230x75
	3.4	Additional wheels (castor wheels)		mm	Φ130x55	Φ130x55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1 x +2 / 4	1 x +2 / 4
	3.6.1	Tread width, front	b10	mm	514	514
	3.7.1	Tread width, rear	b11	mm	515	515
Dimensions	4.4	Lift height	h3	mm	125	125
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1154/1254	1154/1254
	4.15	Lowered height	h13	mm	85	85
	4.19	Overall length	l1	mm	2381	2381
	4.20	Length to face of forks	l2	mm	1234	1234
	4.21	Overall width	b1/b2	mm	734	734
	4.22	Fork dimensions	s/e/l	mm	55 x 170 x 1150	55 x 170 x 1150
	4.25	Distance between fork-arms	b5	mm	685	685
	4.32	Ground clearance, center of wheelbase	m2	mm	35	35
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3017	3017
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2874	2874
	4.35	Turning radius	Wa	mm	2217	2217
Performance data	5.1	Travel speed, laden/unladen		km/h	8.5 / 10.0	8.5 / 10.0
	5.2	Lifting speed, laden/unladen		m/s	0.051 / 0.060	0.051 / 0.060
	5.3	Lowering speed, laden/unladen		m/s	0.032 / 0.039	0.032 / 0.039
	5.8	Max. gradeability, laden/unladen		%	6 / 16	6 / 16
	5.10	Service brake			Electromagnetic	Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min		kW	1.6	1.6
	6.2	Lift motor rating at S3 15%		kW	2.2	2.2
	6.4	Battery voltage/nominal capacity		V/Ah	24 / 205	24 / 280
	6.5	Battery weight		kg	62	255
Addition data	8.1	Type of drive control			AC	AC
	10.5	Steering design			Electronic	Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	74	74

If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.

Heavy-duty Li-ion Ride-on Pallet Truck 2000kg

KPL201H

Distinguishing mark	1.1	Manufacturer			COSMEC
	1.2	Model designation			KPL201H
	1.3	Drive			Electric
	1.4	Operator type			Standing
	1.5	Load capacity	Q	kg	2000
	1.6	Load center distance	c	mm	600
	1.8	Load distance, centre of drive axle to fork	x	mm	976
	1.9	Wheelbase	y	mm	1433
Service weight	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
Tyres/chassis	3.1	Tyre type			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)		mm	1 x +2 / 4
	3.6	Tread width, front	b10	mm	514
	3.7	Tread width, rear	b11	mm	370 / 515
Dimensions	4.4	Lift height	h3	mm	120
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1154 / 1254
	4.15	Lowered height	h13	mm	85
	4.19	Overall length	l1	mm	2195
	4.20	Length to face of forks	l2	mm	1045
	4.21	Overall width	b1/b2	mm	734
	4.22	Fork dimensions	s/e/l	mm	55 x 170 x 1150
	4.25	Distance between fork-arms	b5	mm	540 / 685
	4.32	Ground clearance, center of wheelbase	m2	mm	30
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2834
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2685
	4.35	Turning radius	Wa	mm	2034
Performance data	5.1	Travel speed, laden/unladen		km/ h	9 / 12
	5.2	Lifting 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
Electric-engine	6.1	Drive motor rating S2 60 min		kW	3
	6.2	Lift motor rating at S3 15%		kW	2.2
	6.4	Battery voltage/nominal capacity		V/Ah	24 / 205
	6.5	Battery weight		kg	62
Addition data	8.1	Type of drive control			AC
	10.5	Steering design			Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	74

If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.

