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ISO14001  
ISO14001:2015



ISO9001  
ISO9001:2015



HANGCHA trucks conform  
to the European Safety  
Requirements.

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## X Series Electric Platform Truck

with capacities of 1,500 to 3,000kg

*The World of Hangcha*



**Easy/  
Efficiency/  
Economy**



## Appearance

/ Streamline and large curved surface appearance, combined with eagle eye type LED integrated head light, entirely-new appearance and vision, more novel and fashionable.

## Advancement

/ Digital dashboard with battery charge indicator, fault detection, speedometer and hour meter.  
/ The whole truck has high speed and efficiency, and the traveling speed can reach 20km/h.  
/ Permanent magnet brushless traction motor+electric control+aluminum alloy high-efficiency gear box, high efficiency, fast start-up, energy-saving and noise-reduced.

## Comfort

/ The front and rear axles are fully elastic suspension system with low vibration and good comfort.  
/ Low step-on platform for comfortable access.  
/ Different operating pedals, instruments, steering wheels and switches are configured according to the ergonomics requirements, operation is comfortable and flexible.  
/ EPS (electric power steering) is optional, the force is 8-12N, it is easy for operator.  
/ The fully-enclosed driver's cab is optional, and can meet all-weather works.

## Maintenance

/ The AC traction motor is free maintenance, and the cost is greatly reduced.  
/ The electric control cover plate can be easily dismantled, and it is convenient for commissioning and maintenance of the electric control system.  
/ Controller and electrical components are placed together for high integration.



Large screen display, the instrument panel adopts injection molding design, sturdy and durable



Full suspension operating platform, vibration is reduced, noise is isolated



LED headlight has the head light and dipped light functions. The front turn light utilizes the latest stream light technology



Repair, maintenance and replacement of the battery are convenient and fast, and it is suitable to continuous work



2 operators on board, optimised driving position for maximum comfort and efficiency



## Reliability and Safety

- / Such main electric parts as motor controller, contactor, power plug, emergency power-off switch and so on are famous brand products.
- / The chassis, driving axle, steering axle and so on are designed based on high strength, and can meet the heavy-load operating conditions.
- / The frame and girder type structure, has light weight and great bearing capacity.
- / The emergency power-off switch is the standard configuration, and can meet the European safety standard.
- / The power system has high efficiency and complete protection functions, the reliability and service life are greatly improved.
- / Thanks for the brake system and anti-slip function, it provides safety and reliability.



## Options

- / EPS ( Electric Power Steering) system
- / Large-diameter steering wheel
- / Full-suspension seat
- / Guardrail of platform
- / Rain cover with/without wind screen and windscreen wiper
- / Fully-enclosed cab
- / Fan
- / Reflecting mirror
- / Alarm light
- / Blue light lamp
- / Rear working light
- / Voice-type reversing buzzer
- / OPS system
- / Large-capacity battery
- / High-performance battery
- / Battery side roll out
- / Terminal power supply
- / Solid tyre
- / Charger
- / Fire extinguisher
- / EPB (Electric Parking Brake)

## Standard specification

- / LED light system
- / Large-screen LCD display
- / Emergency power-off switch
- / Horn
- / Reversing buzzer
- / File box
- / Cup holder
- / Traction pin
- / Full-suspension platform
- / Two operators on board
- / Seat belt



## X Series Electric Platform Truck Specification

Distinguishing mark	HANGCHA GROUP CO.,LTD.						
	1.1	1.2	1.3	1.4	1.5		
1.1	Manufacturer						
1.2	Manufacturer's type designation	BD15-XD1	BD20-XD1	BD30-XD1			
1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Electric	Electric	Electric			
1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Seated	Seated	Seated			
1.5	Rated capacity/rated load	Q (kg)	1500	2000	3000		
1.9	Wheelbase	y (mm)	1235	1500	1500		
Weight	2.1	Service Weight	kg	1020	1230	1290	
	2.3	Axle loading, unladen front/rear	kg	525/495	630/600	680/610	
Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Pneumatic	Pneumatic	Pneumatic	
	3.2	Tyre size, front		5.00-8-10PR	5.00-8-10PR	6.00-9-10PR	
	3.3	Tyre size, rear		5.00-8-10PR	5.00-8-10PR	6.00-9-10PR	
	3.5	Wheels, number front / rear (x = driven wheels)		4(x=2)	4(x=2)	4(x=2)	
	3.6	Tread, front	b <sub>10</sub> (mm)	1095	1095	1095	
	3.7	Tread, rear	b <sub>11</sub> (mm)	1130	1130	1145	
	4.7	Height of overhead guard (cabin)	h <sub>6</sub> (mm)	1865	1865	1900	
Dimensions	4.12	Coupling height	h <sub>10</sub> (mm)	350	350	400	
	4.16	Length of loading surface	l <sub>3</sub> (mm)	1600	2000	2000	
	4.18	Width of loading surface	b <sub>9</sub> (mm)	1300	1300	1300	
	4.19	Overall length	l <sub>1</sub> (mm)	2875	3275	3275	
	4.21	Overall width	b <sub>1</sub> (mm)	1300	1300	1300	
		Overall Height	(mm)	1210	1210	1244	
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	120	120	155	
	4.35	Turning radius	W <sub>a</sub> (mm)	2850	3300	3300	
	Performance data	5.1	Travel speed, laden/unladen	km/h	13.5/18	14/18	13/20
		5.6	Max. Drawbar pull	N	5200	5200	6500
5.8		Max. gradeability, laden	%	10%	10%	10%	
5.10		Service brake		Electromagn+Hydraulic	Electromagn+Hydraulic	Electromagn+Hydraulic	
		Parking brake		Mechanical	Mechanical	Mechanical	
Electric-engine	6.1	Drive motor rating S2 60 min	kW	5	5	5	
	6.4	Battery voltage, nominal capacity K5	V/Ah	72/120	72/180	72/180	
	6.5	Battery weight	kg	268	418	418	
		Battery dimensions	(mm)	1072/382/320	1072/566/321	1072/566/321	
10.7	Sound pressure level at the driver's seat	dB (A)	<65	<65	<65		

## Table of the battery (72v)

A.h	Model	BD15	BD20	BD30
115		▼		
120		☆		
135		◆		
165		◆▼		
170			▼	▼
180		★		
180			☆	☆
210			◆	◆
220			▼	▼
240			★	★
252			◆▼	◆▼
300			★◆▼	★◆▼
330			★◆▼	★◆▼
360			★	★

### Note:

Standard battery: ZIBO(☆)

Optional battery: ZIBO(★), FAAM(◆), HOPPECKE(▼)

## Specifications of platforms

Length \ Width	1600	2000	2240	2400	2500	2800	3000	3600	4000
1300	■ Standard configuration		●■	●■	●■				
1400		●■	●□	●□	●□				
1500			○□	○□	●□	○□	○□		
1600					○□			○□	
1800									○□

Note: ● Preferably select ○ optional Guardrail height: ■ 220 □ 320mm

