



# X Series Electric Burden Carrier

with capacities of 3,000 to 6,000lbs

*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 12.42 mph.
- / 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
- / Left and right mirror
- / Alarm light
- / Blue spot light
- / 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	1.1	Manufacturer	HANGCHA GROUP CO.,LTD.			
		HCFA Model	BD15	BD20	BD30	
	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 lb(kg)	3000(1500)	4500(2000)	6000(3000)
	1.9	Wheelbase	y in(mm)	48.6(1235)	59(1500)	59(1500)
Weight	2.1	Service Weight	lb(kg)	2250(1020)	2710(1230)	2845(1290)
	2.3	Axle loading, unladen front/rear	lb(kg)	1157(525)/1090(495)	1390(630)/1320(600)	1500(680)/1345(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> in(mm)	43.1(1095)	43.1(1095)	43.1(1095)
	3.7	Tread, rear	b <sub>11</sub> in(mm)	44.5(1130)	44.5(1130)	45(1145)
Dimensions	4.7	Height of overhead guard (cabin)	h <sub>6</sub> in(mm)	73.4(1865)	73.4(1865)	74.8(1900)
	4.12	Coupling height	h <sub>10</sub> in(mm)	13.8(350)	13.8(350)	15.7(400)
	4.16	Deck length	l <sub>3</sub> in(mm)	63(1600)	78.7(2000)	78.7(2000)
	4.18	Deck width	b <sub>9</sub> in(mm)	51.2(1300)	51.2(1300)	51.2(1300)
	4.19	Overall length	l <sub>1</sub> in(mm)	113.2(2875)	129(3275)	129(3275)
	4.21	Overall width	b <sub>1</sub> in(mm)	51.2(1300)	51.2(1300)	51.2(1300)
		Overall Height	in(mm)	47.6(1210)	47.6(1210)	49(1244)
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> in(mm)	4.7(120)	4.7(120)	6.1(155)
4.35	Turning radius	W <sub>a</sub> in(mm)	112.2(2850)	130(3300)	130(3300)	
Performance data	5.1	Travel speed, laden/unladen	mph (km/h)	8.4 (13.5)/11.2 (18)	8.7 (14)/11.2 (18)	8.1 (13)/12.4 (20)
	5.6	Max. Drawbar pull	lbf(N)	1170(5200)	1170(5200)	1460(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	lb(kg)	590(268)	920(418)	920(418)
	9.1	Manufacturer		INMOTION	INMOTION	INMOTION
	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
120		☆		
180		★		
180			☆	☆
240			★	★
300			★	★
330			★	★
360			★	★

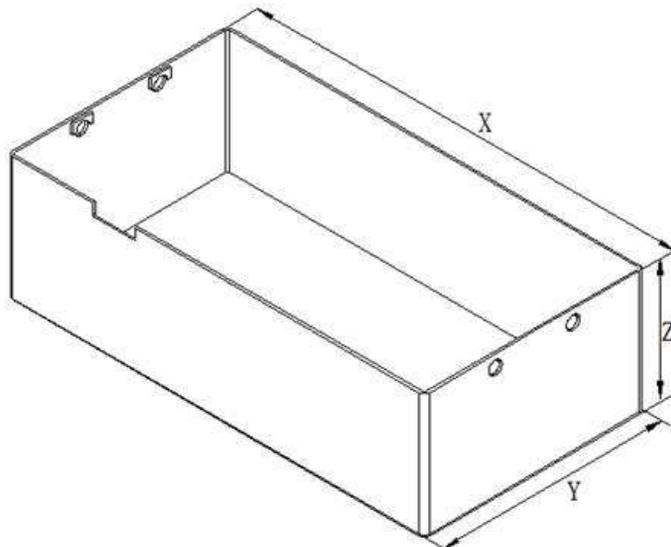
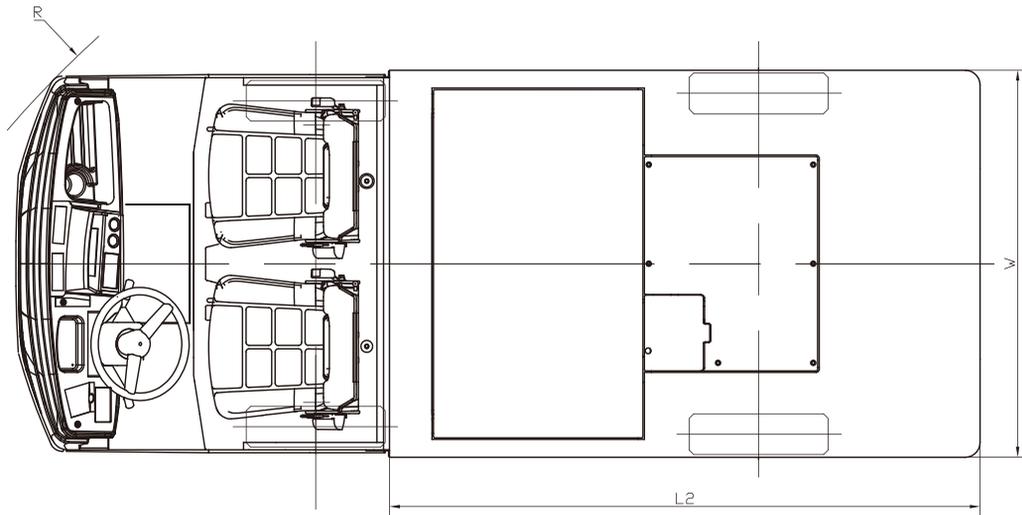
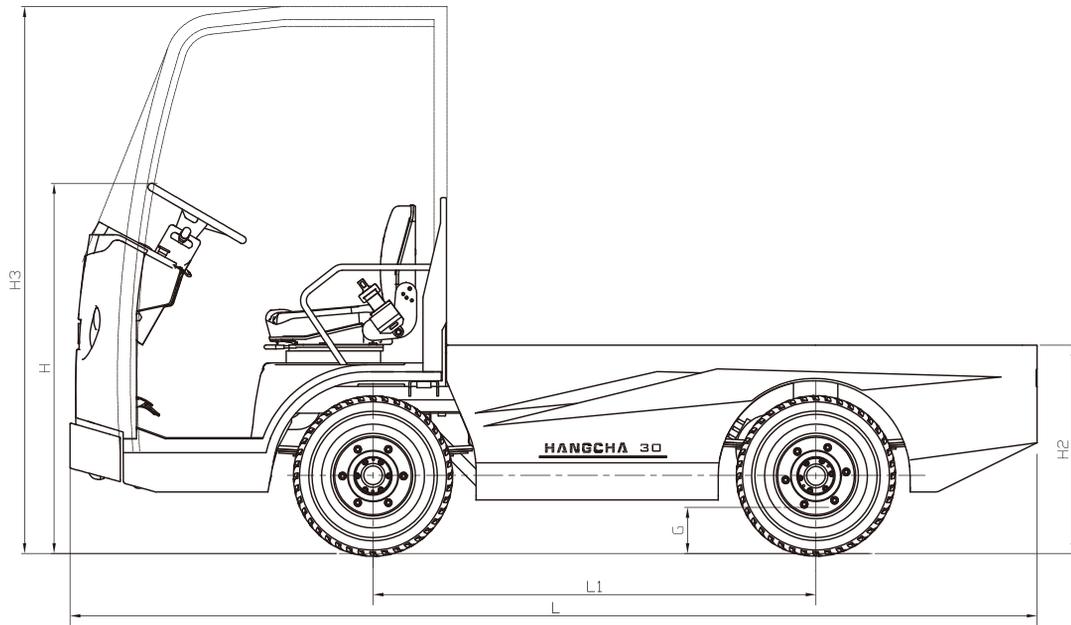
### Note:

Standard battery: Chinese Battery(☆)

Optional battery: Chinese Battery(★)

## Battery and compartment size

Model		BD15-XD1	BD20-XD1	BD30-XD1
Voltage	V	72	72	72
Capacity	Ah	120	180	180
Battery Compartment	"X" Max.	mm(in)	1072 (42.20)	1072 (42.20)
	"Y" Max.	mm(in)	382 (15.04)	566 (22.28)
	"Z" Max.	mm(in)	320 (12.60)	321 (12.64)
Batt.Wt.	Maximum	Kg(lb)	418 (921.53)	485 (1069.24)
	Minimum	Kg(lb)	268 (590.84)	418 (921.53)





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