

Features

Truck	Standard	Options
AC drive motor	●	
Hydraulic power unit	●	
Stand-on operating pedal and guard rail	●	
Double load wheels	●	
Fork length: 1150mm	●	
Fork interval: 540mm	●	
Electronic lifting limit	●	
Hangcha lithium battery 202Ah (excluding built-in charger)		○
A full range of imported and domestic batteries (210Ah-340Ah)		○
1220/1500/1800/2150/2400mm prong length		○
Prong interval: 600/680mm		○
Load backrest		○
Pallet guide roller		○
Cab		
Multi-function battery meter	●	
Controls and instruments		
Curtis AC controller	●	
Electric steering	●	
Safety		
Emergency shut-off switch	●	
Horn	●	
Other		
Automatic charger		○



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ISO45001:2018



ISO14001:2015



ISO9001:2015



HANGCHA trucks conform to the European Safety Requirements.



A2 SERIES

PALLET TRUCK WITH LITHIUM POWER

With capacity of 2,000 to 3,000kg

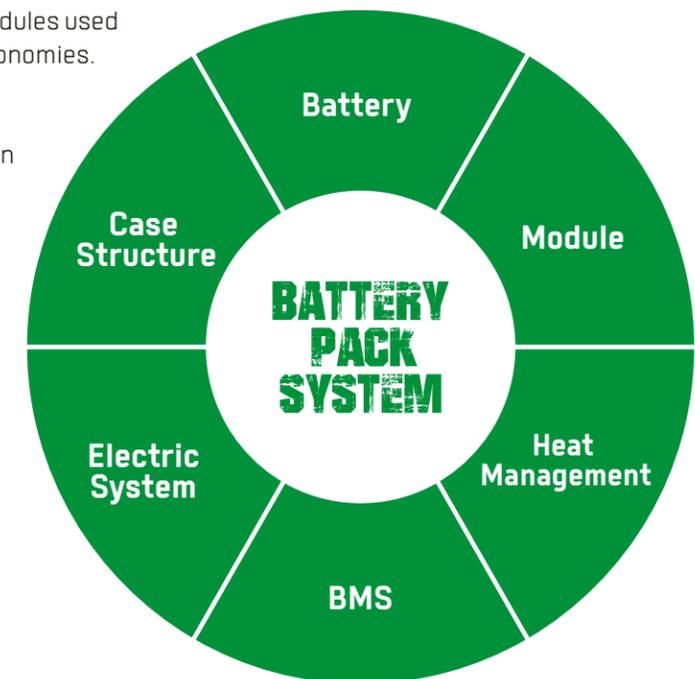
LET THE LIUM POWER UP



INNOVATIVE SOLUTIONS NEW POWER NOW

Innovative, reliable lithium-ion technology (Lithium Iron-Phosphate), which are developed jointly by HANGCHA and CATL. Battery cells and modules are from CATL, with reliable quality, exclusively for HANGCHA.

- / We use square lithium iron phosphate batteries and modules used in large quantities by commercial vehicles in mature economies.
- / Safe and effective: Charging efficiency as high as 95%.
- / Quick charging.
- / Long-working: 2000 charging cycles, capacity retention greater than 80%.
- / Maintenance-free: Battery does not require manual maintenance.
- / Green and clean: Pollution-free, zero emissions.



Rapid charging and opportunity charging ensure continuous availability of vehicles

Allow for fast full charging or boost charging. They are maintenance free and do not require a battery change when used for multi-shift operations.



HANGCHA provides Li-ion battery (LiFePO4) with 6 years or 12000 hours warranty.

**6 YEARS
WARRANTY**

A2 SERIES PALLET TRUCK WITH LITHIUM POWER

The A2 series lithium battery basic 2nd-generation stand-on pallet truck is newly developed by Hangcha Group Co., Ltd. for warehouse logistics. With the latest AC drive technology, advanced performance, operating comfort, safety and reliability, and low maintenance cost, it is the ideal choice for warehouses, supermarkets and workshops to handle and transport palletized goods. Equipped with the dedicated lithium battery cells and modules for the C series forklifts, which are developed jointly by the Hangcha Group and CATL. Integrated with standard charger and electric heating function.

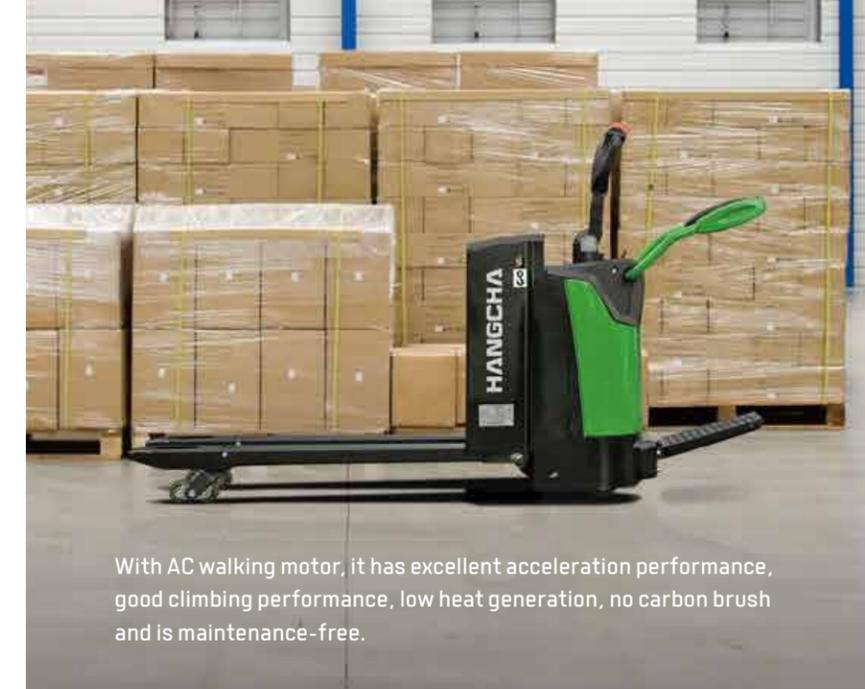
EXTERIOR

- The A series pallet stacker adopts a professional industrial exterior design. The vehicle has a smooth vivid profile and a fully ergonomic design, following the exterior design trend.
- With a large number of steel plate stamping and injection molding processes to enable a robust and durable product that meets the environmental protection requirements.



HIGH PERFORMANCE

- The electric steering equipped for the stand-on type is more convenient and flexible to operate.
- The Curits AC control system performs accurate, stable and more efficient control.
- The CANBUS structure makes the whole vehicle communication faster and more reliable.
- The vehicle has a regenerative braking function and provides protection for preventing sliding down a ramp.
- Switches, connectors and other key parts are all products of internationally renowned brands.



With AC walking motor, it has excellent acceleration performance, good climbing performance, low heat generation, no carbon brush and is maintenance-free.

COMFORT

- The shock absorber type suspension system makes driving more stable and operation more comfortable.
- With the unique function of driving at a turtle's speed with an indicator light, the vehicle can be more easily driven at a slow speed while carrying out operations in a very narrow space.
- The optimized design of the body structure enables the forklift to have an excellent operating view and to access the pallet more easily.
- Different optional prongs and prong lengths are applicable to handling of various pallets.

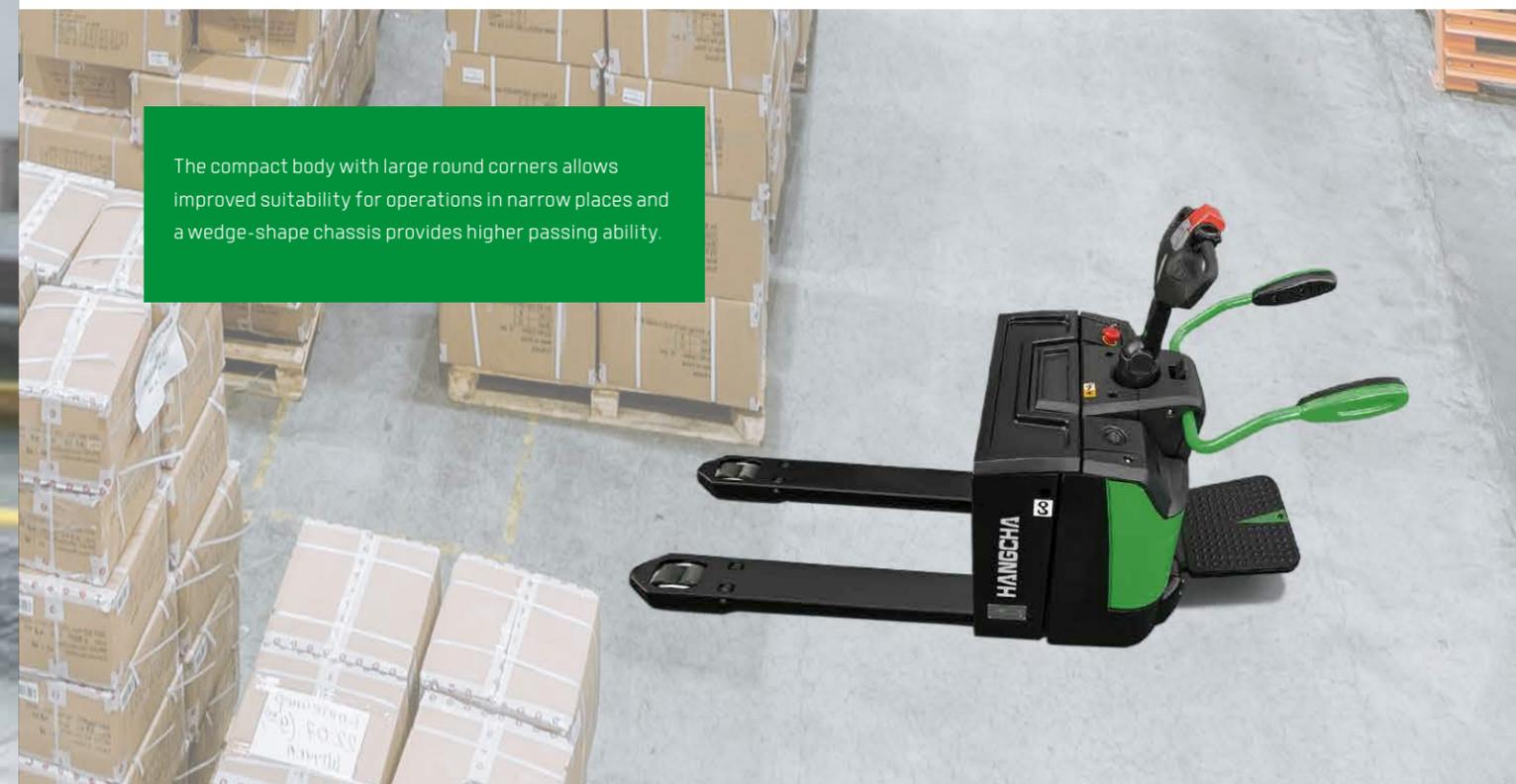


Stand-on pedal is designed to absorb shock, which greatly improves the ride comfort and alleviates the operator's fatigue due to long-time driving.



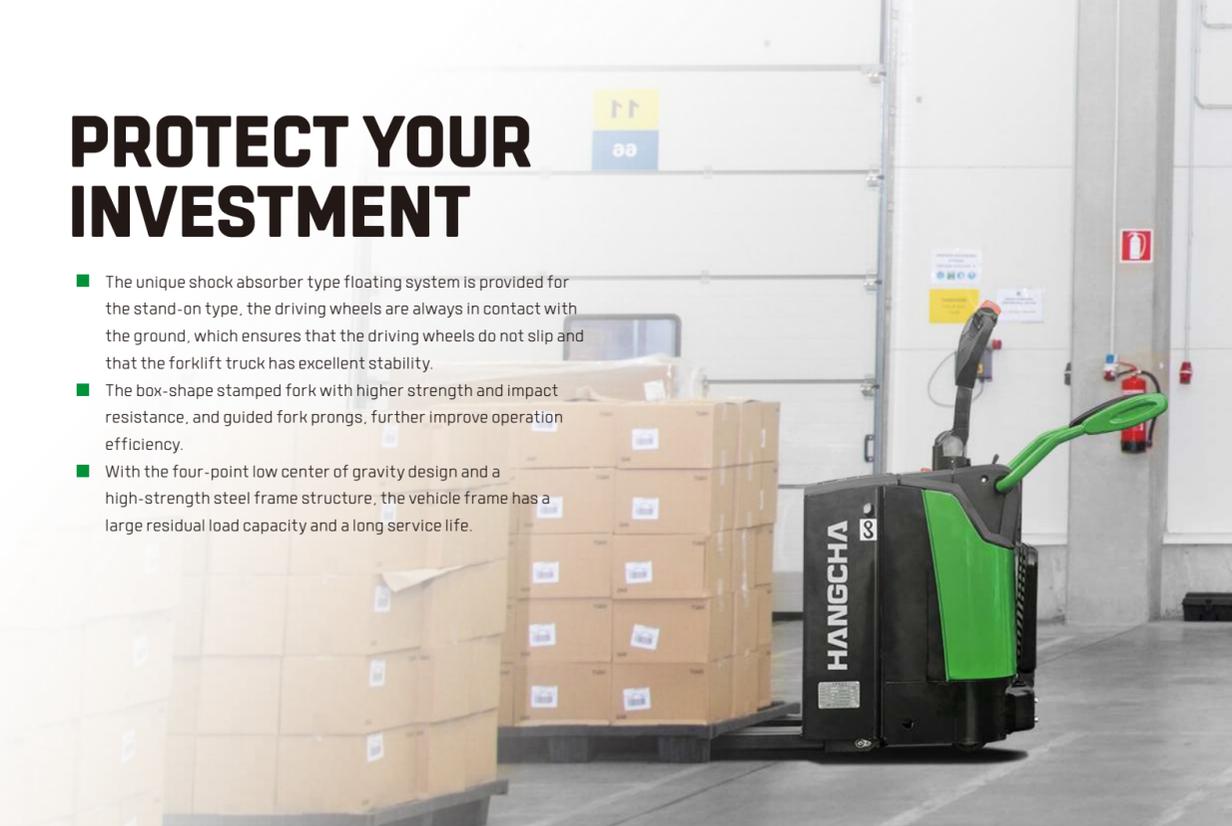
With the compact and stylish joystick, all operations can be completed with one hand.

The compact body with large round corners allows improved suitability for operations in narrow places and a wedge - shape chassis provides higher passing ability.



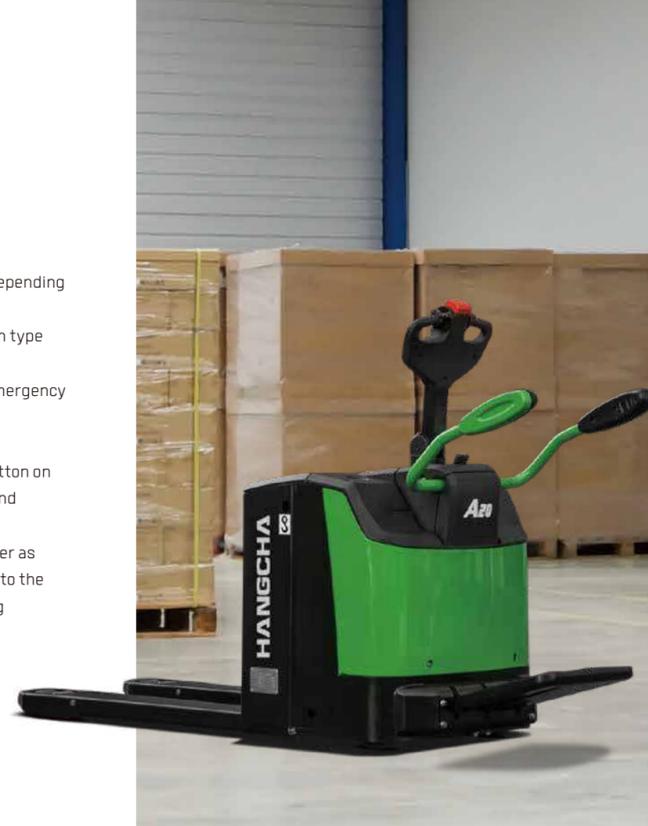
PROTECT YOUR INVESTMENT

- The unique shock absorber type floating system is provided for the stand-on type, the driving wheels are always in contact with the ground, which ensures that the driving wheels do not slip and that the forklift truck has excellent stability.
- The box-shape stamped fork with higher strength and impact resistance, and guided fork prongs, further improve operation efficiency.
- With the four-point low center of gravity design and a high-strength steel frame structure, the vehicle frame has a large residual load capacity and a long service life.



BETTER SAFE THAN SORRY

- The driving speed has a function of automatic deceleration depending on the steering angle for the standard configuration.
- The integrally stamped and molded guard rail for the stand-on type provides better protection for the operator's safety.
- With the functions of release braking, reverse braking and emergency braking to ensure safe driving.
- Anti-roll back function to ensure safe operation
- In the event of an emergency during driving, the red brake button on the head of the joystick can be pressed to effectively brake and prevent the driver from being injured.
- Dual protection by electronic lifting limit and a smart controller as standard configuration to avoid impact when forks are lifted to the top end of the mast, offer effective protection to the working motor, and guarantee safety of goods.



Technical data

		HANGCHA GROUP CO.,LTD.			
Distinguishing mark	1.1	Manufacturer	HANGCHA GROUP CO.,LTD.		
	1.2	Manufacturer's type designation	CB020-A2BC2S-I	CB030-A2BC2S-I	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Standing	Standing	
	1.5	Rated capacity/ rated load	0(kg)	3000	
	1.6	Load centre distance	c(mm)	600	
Weight	1.9	Wheelbase	y(mm)	1446 ¹⁾	
	2.1	Service weight	kg	540	
	Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane	PU	PU
		3.2	Tyre size, front	Φ230-75	Φ230-75
		3.3	Tyre size, rear	Φ82.5-73	Φ82.5-73
3.4		Additional wheels (dimensions)	Φ125-50	Φ125-50	
3.5		Wheels, number front/rear (- = driven wheels)	1..2/4	1..2/4	
Dimensions	3.6	Tread, front	b10 (mm)	575	
	3.7	Tread, rear	b11 (mm)	370	
	4.4	Lift	h3 (mm)	125	
	4.15	Height, lowered	h13 (mm)	85	
	4.19	Overall length	l1 (mm)	1867	
		Overall length(unfold the pedal)	l1 (mm)	2299	
	4.21	Overall width	b1 (mm)	800	
	4.22	Fork dimensions DIN ISO 2331	s/e/l(mm)	60.170.1150	
	4.25	Fork spread	bs (mm)	540	
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	22	
	4.34.1	Aisle width for pallets 1000 · 1200 crossways	Ast (mm)	2066 ²⁾	
	4.34.2	Aisle width for pallets 800 · 1200 lengthways	Ast (mm)	2117 ³⁾	
	4.35	Turning radius	Ws (mm)	1648/2073 ³⁾	
	Performance data	5.1	Travel speed, laden/unladen	km/h	6.0/7.0
		5.2	Lift speed, laden/unladen	m/s	0.046/0.060
5.3		Lowering speed, lade/unladen	m/s	0.050/0.040	
5.8		Max. gradeability, laden/unladen	%	8/16	
Electric-engine	6.1	Drive motor rating S2 60 min	kW	1.2	
	6.2	Lift motor rating at S3 15 %	kW	1.2	
	6.4	Battery voltage, rated capacity	V/Ah	24/160	
		Battery voltage, rated capacity, Optional	V/Ah	-24/202	

Note: 1) When fork lowered, +68mm, 2)VDI 2198-388mm, 3)VDI 2198-223mm

RELIABILITY

- The non-contact proximity switch has a long life and can work reliably.
- With an electronic lifting limit switch to avoid overflow from the hydraulic power unit, save more energy and protect the motor of the power unit.
- A low-noise, low-vibration, high-performance hydraulic power unit to enable stable and reliable lifting and descending.
- The whole system uses imported waterproof connectors, and all wires and cables have reliable protection, which greatly improves the reliability of the electrical system.
- The power plug is fixed on the body to prevent damage to the plug when lifting the battery.
- The battery is reliably fixed and the battery cover is supported by soft materials, so that the vibration and noise generated during the operation of the vehicle are reduced.



MAINTENANCE

- The integrated power display, timing and fault self-diagnosis meter is convenient for maintenance.
- With a rear hood that can be completely opened to expose all components and facilitate the maintenance of the vehicle.
- With all spindles equipped with lubricated sleeves and oil cups to facilitate maintenance and a long service life.



The AC motor has no carbon brush and is maintenance-free, which greatly saves the cost of use.

