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ISO45001:2018



ISO14001:2015



ISO9001:2015



HANGCHA trucks conform
to the European Safety
Requirements.

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A SERIES

ELECTRIC LITHIUM-ION WALKIE
PALLET JACK

With capacity of 6,000 to 8,000lbs

LET THE LITHIUM POWER UNLEASHED



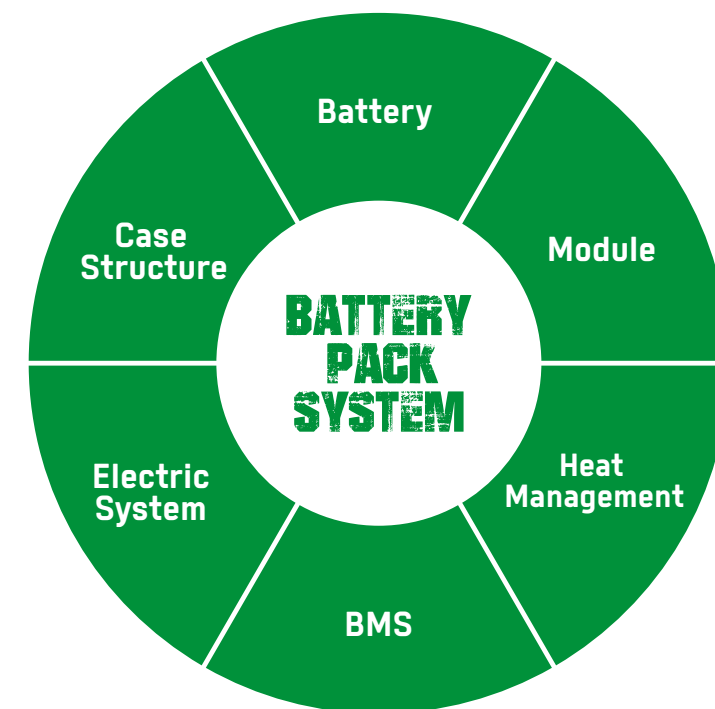
HANGCHA PROVIDES UP TO A **5 YEAR OR 10,000 HOUR** GUARANTEE ON THE LITHIUM IRON PHOSPHATE BATTERY PACK.

**5 YEARS
WARRANTY**

INNOVATIVE SOLUTIONS NEW POWER NOW

Lithium-ion technology (Lithium Iron Phosphate), was developed jointly by HANGCHA and CATL for use in material handling equipment applications. These innovative and reliable battery cells and modules are manufactured to the highest standard by CATL exclusively for HANGCHA's material handling equipment.

- / **Battery Technology:** We use square lithium iron phosphate cells. These are the same type of cells used in new electric vehicles.
- / **Design:** The module uses a sturdy and lightweight aluminum alloy frame. It is also designed to provide excellent heat dissipation.
- / **Safe and Effective:** Charging efficiency as high as 98% and the thermal runaway temperature is at 600 °C and above.
- / **Adapted to Low Temperatures:** Comes standard with an electrical heating feature, ensuring normal operation in low temperatures.
- / **Efficient:** Can use opportunity charging to allow for continuous use in multi-shift operations.
- / **Long-Lasting:** 4000 charging cycles with a capacity retention greater than 75%.
- / **Maintenance-Free:** Lithium-ion batteries do not require manual maintenance such as watering.
- / **Green and Clean:** The batteries are pollution-free, release zero emissions, and are recyclable.



Rapid Charging and Opportunity Charging ensure continuous availability of the Walkie Pallet Jack

Combined with a Hangcha Lithium-ion Charger, the walkie pallet jack will charge fast. This technology also means that they are maintenance-free and won't require a battery change when used for multi-shift operations

DESIGNED TO INCREASE PRODUCTIVITY

WATERPROOF ■

MAINTENANCE-FREE BATTERY ■

RELIABILITY ■

■ EFFICIENT

■ HIGH PERFORMANCE

■ COMFORTABLE

■ SAFE



A SERIES LITHIUM-ION WALKIE PALLET JACK

Your reliable and powerful material handling partner.

The A Series Electric Lithium-ion Walkie Pallet Jack is a new logistics handling device developed by Hangcha Group for the high-intensity operating conditions of the North American market. With AC drive technology, it offers excellent performance and low maintenance costs. It is also safe, reliable, and can be easily operated. This is ideal for all kinds of material handling and picking environments.

RUGGED ON THE OUTSIDE.

The A Series Electric Lithium-ion Walkie Pallet Jack uses stamped steel plates and injection molded parts. This creates a robust and durable product that is able to successfully take on the wear and tear of a warehouse environment.



Ergonomic Tiller Handle



Convenient Charging Port

COMFORT

The guide wheels on the forks allow for smoother entry and exit of the pallet.



The polyurethane block and spring support the auxiliary wheel to increase the walkie pallet jack's stability.



The concave design of the walkie pallet jack's hood provides more room for the operator.

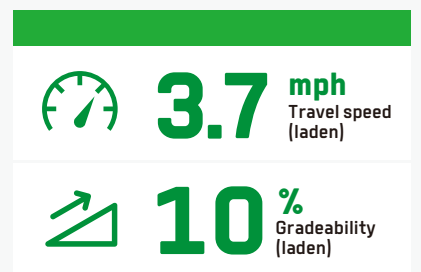


HIGH PERFORMANCE

- The new CURTIS AC Control System allows for accurate, stable and more efficient control of the walkie pallet jack.
- The CANBUS communication structure allows for each of the walkie pallet jack's systems to communicate faster and more reliably.



Easy-to-see integrated battery display provides key information such as speed, battery capacity, timer, and a fault self-diagnosis gauge.

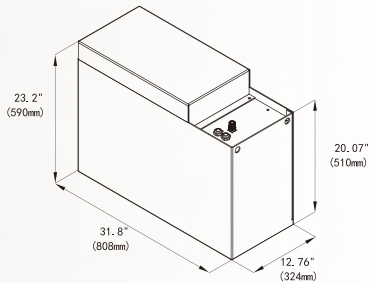


The AC drive motor provides excellent acceleration, gradeability, and low heat generation. In addition, it is maintenance-free thanks to the motor not having carbon brushes.

LONG LASTING LITHIUM-ION BATTERY

- Integrated Battery Management System (BMS) continually monitors energy management and ensures reliable operation.
- HANGCHA provides these Lithium Iron Phosphate (LiFePO4) battery packs with up to a 5 year or 10,000 hour warranty.
- See warranty certificate for specific warranty information on the Lithium Iron Phosphate battery packs.

Standard Battery Capacity	
Battery Capacity (V/Ah) (kW-h)	24V/456Ah 10.94kW-h



RELIABILITY

The lifting motor limit switch prevents overflow from the hydraulic pump motor in order to save energy and ensure that the pump motor continues to perform reliably.



The forks are made with a high strength steel and stamped in a box shaped pattern to ensure impact resistance and rigidity in a high intensity operational environment.



By using waterproof connectors and protected cables the walkie pallet jack's electrical system is reliable in any operation environment that electric pallet jacks are found in.



ANTI-ROLL BACK FUNCTION ENSURES SAFE OPERATION ON RAMPS

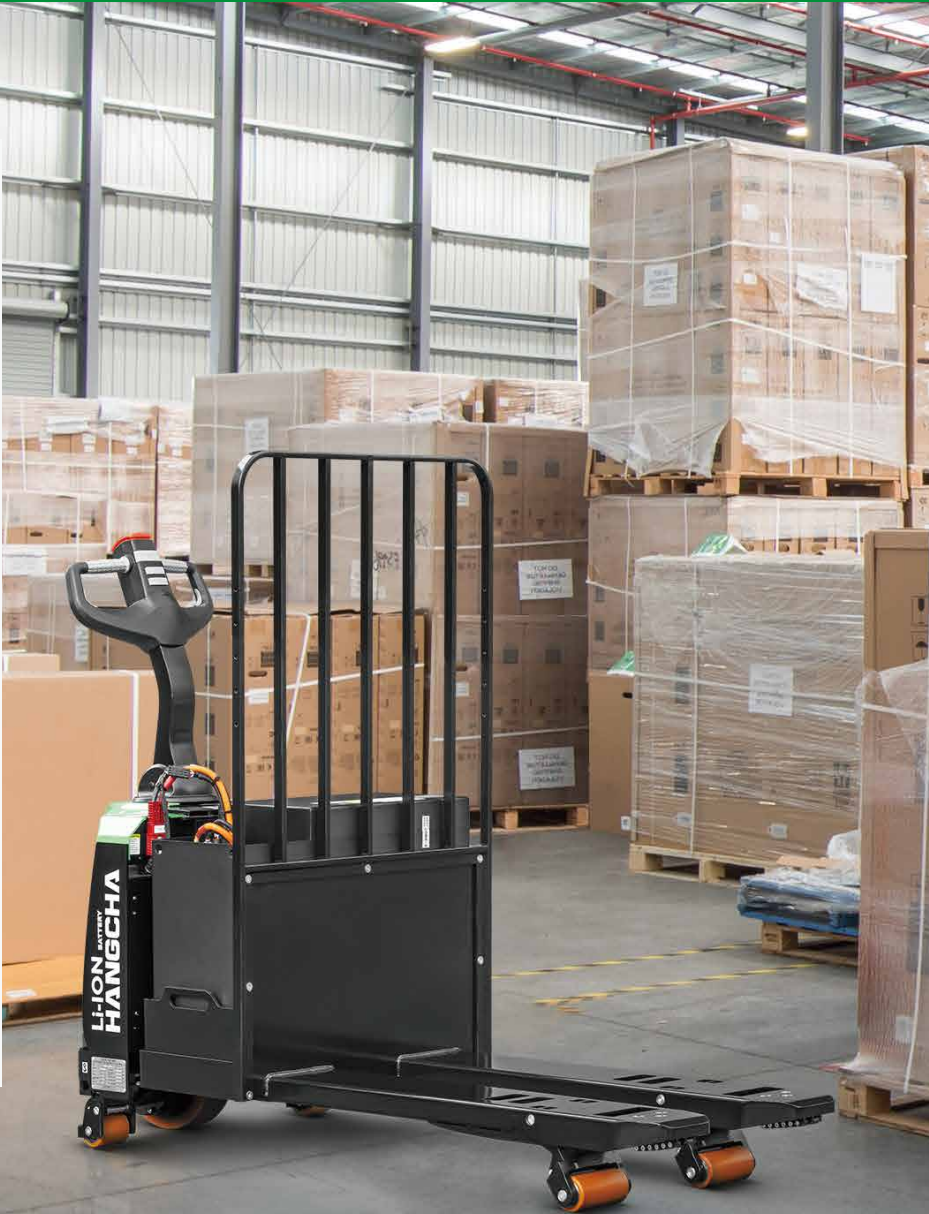
INCREASED SAFETY

The A Series Electric Lithium-ion Walkie Pallet Jack features three types of braking to ensure safe driving. These include released braking, reverse current braking, & emergency braking.

The emergency braking button on the tiller head, is designed to effectively prevent harm to the operator in case of any emergency while using the walkie pallet jack in reverse.



High-strength screw fixing load backrest, capable of effectively protecting the operator.



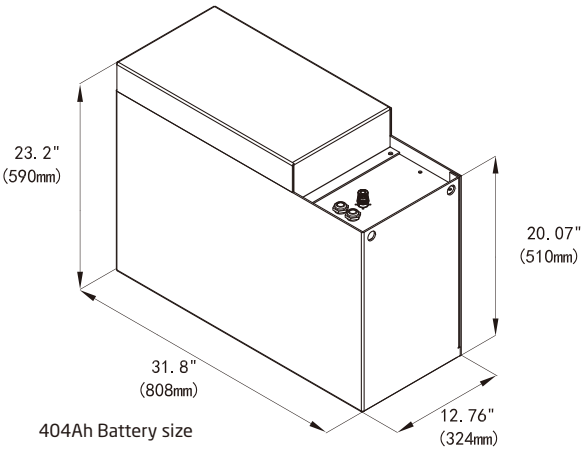
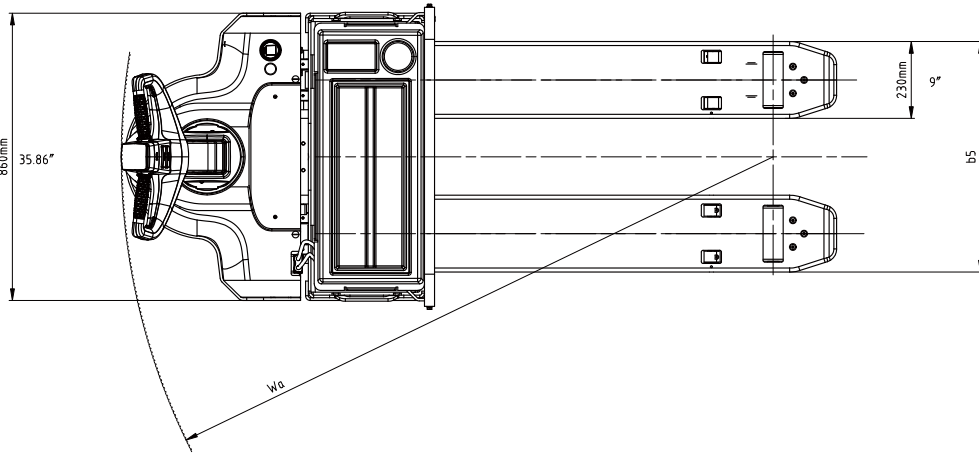
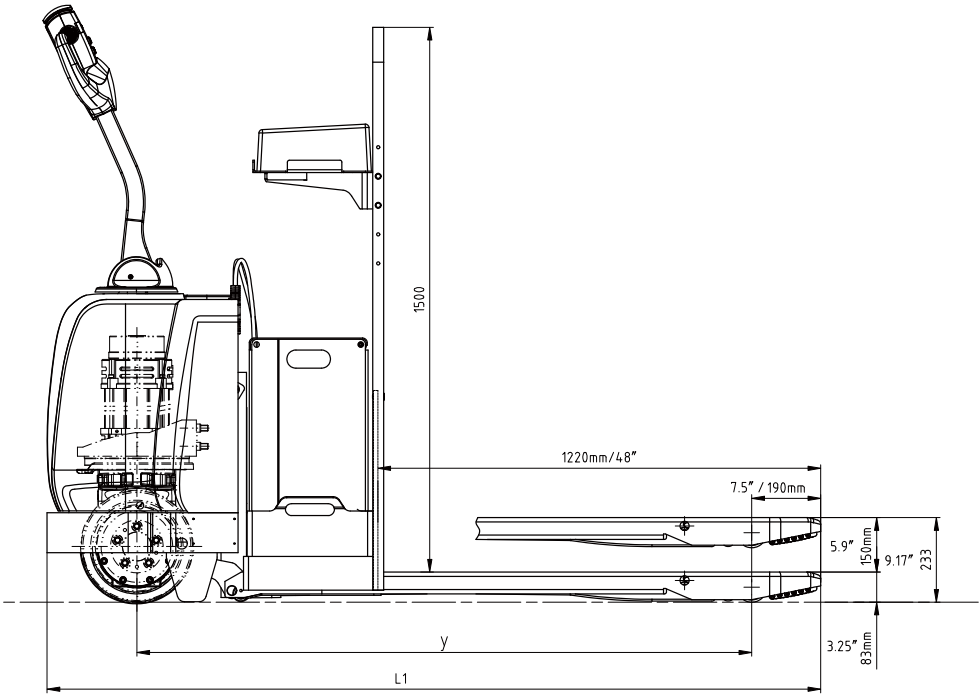
Technical data

Distinguishing mark	1.1	Manufacturer		HANGCHA GROUP CO.,LTD.			
	1.2	Manufacturer's type designation		CBD27-AC2-NA	CBD36-AC2-NA	CBD27-AC2-NAI	CBD36-AC2-NAI
	1.3	Drive : electric[battery or mains],diesel,petrol,fuel gas		Electric	Electric	Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Standing	Standing	Standing	Standing
	1.5	Rated capacity /rated load	Q (lb/kg)	6000/2700	8000/3600	6000/2700	8000/3600
	1.6	Load centre distance	c (in/mm)	24/610	24/610	24/610	24/610
	1.8	Load distance, centre of drive axle to fork	x (in/mm)	40.6/1030	40.6/1030	40.6/1030	40.6/1030
	1.9	Wheelbase	y (in/mm)	66.7/1695	66.7/1695	66.7/1695	66.7/1695
	2.1	Service weight	lb/kg	2171.5/985	2171.5/985	1785.8/810	1785.8/810
Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane	Polyurethane	Polyurethane
	3.2	Tyre size, front	in/mm	2-φ12.2.4.3/φ310.110			
	3.3	Tyre size, rear	in/mm	2-φ3.3.6.5/2-φ83.165			
	3.4	Additional wheels[dimensions]	in/mm	2-φ3.4.3.5/2-φ85.90			
Dimensions	4.4	Lift	h3(in/mm)	5.9/150	5.9/150	5.9/150	5.9/150
	4.15	Fork height,lowered	h13(in/mm)	3.3/83	3.3/83	3.3/83	3.3/83
	4.19	Overall length	l1(in/mm)	83.9/2130	83.9/2130	83.9/2130	83.9/2130
	4.20	Length to face of forks	l2(in/mm)	43.0/1093	43.0/1093	43.0/1093	43.0/1093
	4.21	Overall width	b1(in/mm)	33.9/860	33.9/860	33.9/860	33.9/860
	4.25	Distance between fork-arms	b5(in/mm)	27.2/690	27.2/690	27.2/690	27.2/690
	4.35	Turning radius	Wa(in)/Wa(mm)	(72.5/77.0)/(1840/1955)			
Performance data	5.1	Travel speed, laden/unladen	mph / km/h	3.7/6	3.7/6	3.7/6	3.7/6
	5.8	Max. gradeability, laden/unladen	%	10/10	8/15	10/10	8/15
	5.10	Service brake		Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic
Electric-engine	6.4	Battery voltage, nominal capacity K5	V/Ah	24/300	24/400	24/456	24/456
	9.1	Manufacturer		Curtis	Curtis	Curtis	Curtis

Features

Truck	Standard	Options
Efficient AC drive motor	●	
High-performance polyurethane drive wheel	●	
High-performance hydraulic power unit	●	
Polyurethane buffer elastic auxiliary wheel	●	
Load backrest	●	
Electric steering		○
Fork length 54/60/84/96/132/144in		○
Length between external edges of the two forks 28in		○
Optional battery capacity: 24V/300Ah, 24V/750Ah		○
Toolkit		○
Controls and instruments		
CURTIS AC controller	●	
Multifunctional integrated instrument	●	
Toggle switch		○
Safety		
Electromagnetic brake	●	

Model			ECR27Li	ECR36Li
Voltage		V	24	24
Battery Compartment	“X” Max.	mm (in)	808(31.8)	808(31.8)
	“Y” Max.	mm (in)	324(12.76)	324(12.76)
	“Z” Max.	mm (in)	590(23.2)	590(23.2)
Battery Weight	Maximum	Kg (lb)	768(1695)	768(1695)
	Minimum	Kg (lb)	310(685)	310(685)



404Ah Battery size

