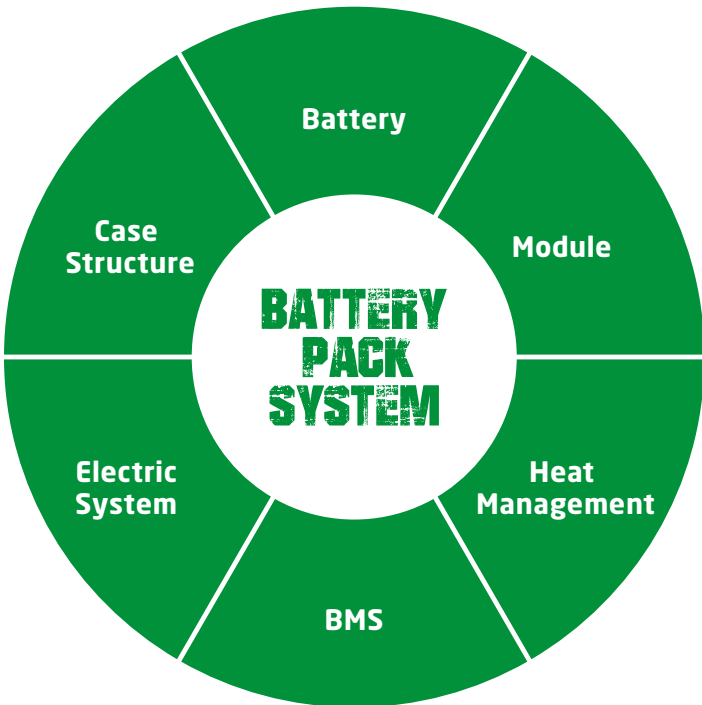


INNOVATIVE SOLUTIONS NEW POWER NOW

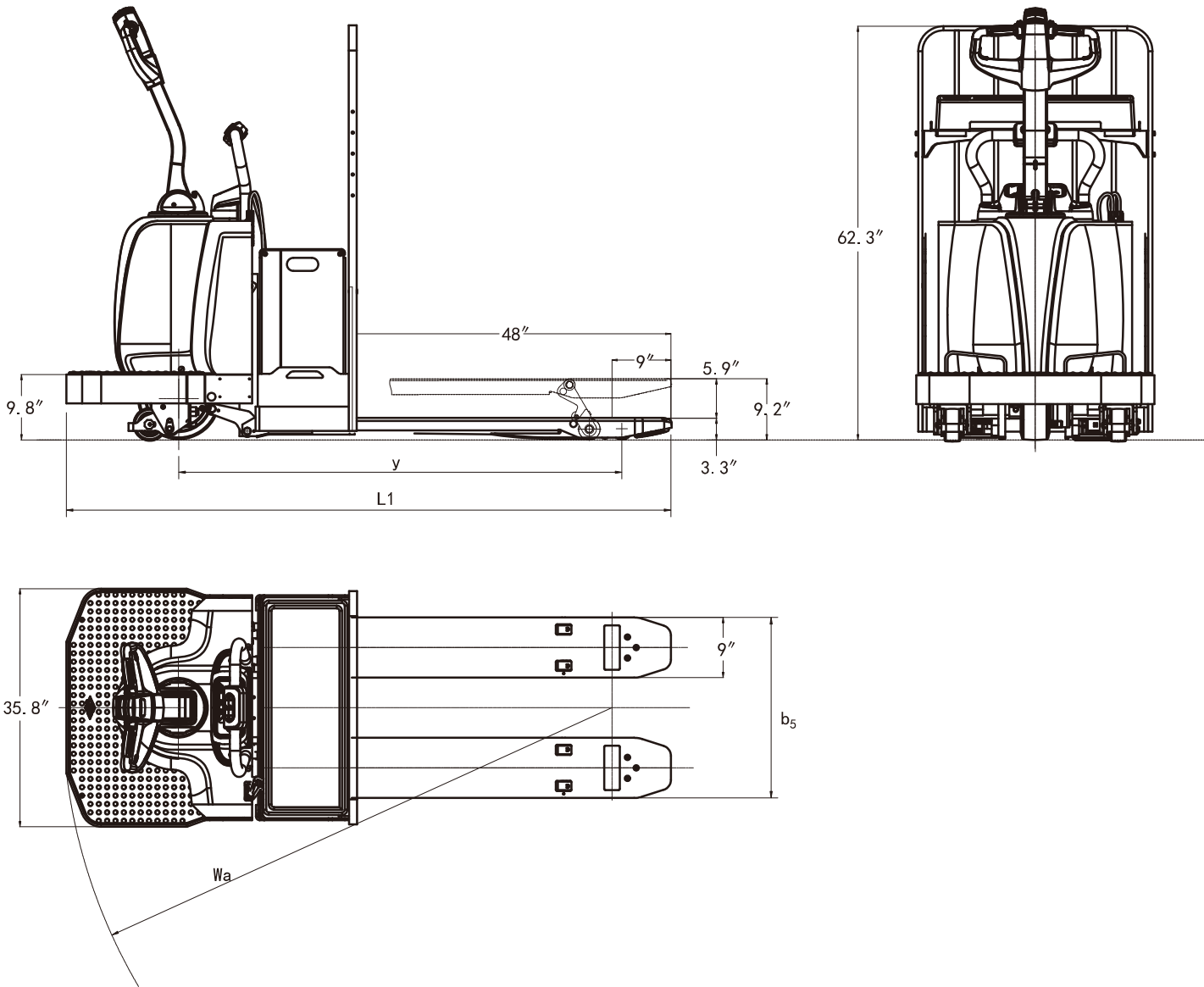
Lithium-ion technology (Lithium Iron Phosphate), was developed jointly by HANGCHA and a leading cell manufacturer for use in material handling equipment applications. These innovative and reliable battery cells and modules are manufactured to the highest standard exclusively for HANGCHA's forklift line.

- / **Battery Technology:** We use square Lithium Iron Phosphate cells. These are the same type of batteries 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 80%.
- / **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 material handling equipment

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



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HANGCHA Lithium-ion
Re-imagining POWER

A Series Electric Lithium-ion End Control Rider Pallet Truck

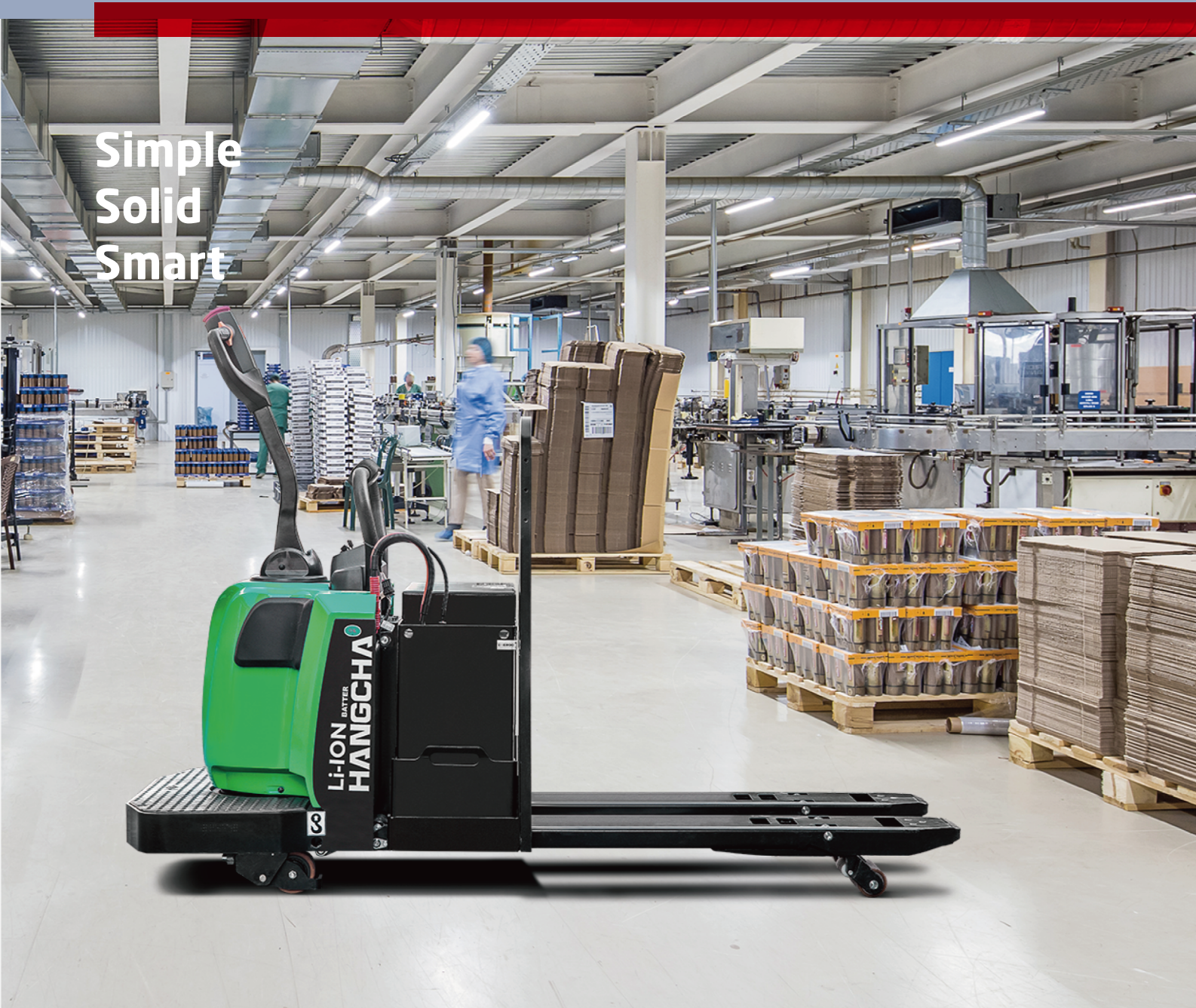
with capacities of 6,000-8,000lbs

Making Material Handling Easier
SINCE 1956



A Series Electric Lithium-ion End Control Rider Pallet Truck

The A Series Electric Lithium-ion End Control Rider Pallet Truck is a logistics handling device developed by Hangcha Group for the high-intensity operating conditions of the North American market. With the AC drive technology, it offers high performance and low maintenance costs. It is also safe, reliable, and can be easily operated. This end control rider pallet truck is an ideal tool for loading, unloading, and handling palletized goods in warehouses and workshops.



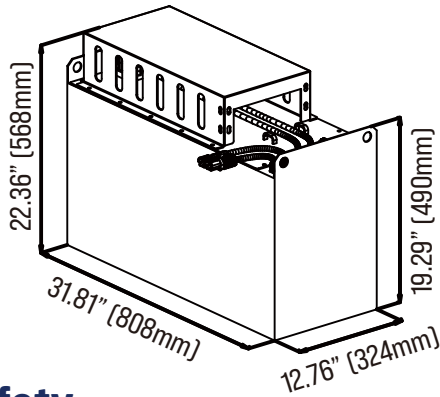
Appearance

- / The A Series End-Control Rider Pallet Truck has a smooth vivid profile and was designed to be ergonomic. The exterior of this pallet truck is powder coated in a durable, easy to see, green finish that designates it as lithium-ion powered.
- / This pallet truck 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.

Lithium Iron Phosphate Battery Packs

- / 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.

Lithium-ion End Control Rider Battery Capacity	
Standard Battery Capacity (V/Ah) (kW-h)	25.6V/230Ah 5.89kW-h (Includes On-Board Charger)
Optional Battery Capacity (V/Ah) (kW-h)	25.6V/460Ah 11.78kW-h



Safety

- / The end control pallet truck features three types of braking functions, release braking, reverse braking, and emergency braking, for safe operation.
- / The anti-sliding function on a grade ensures a safe operational workspace.
- / The emergency reversing button at top of the tiller protects the operator from being injured in case of an emergency during backward operation of the truck.

High Performance

- / The brushless AC travel motor features excellent acceleration, outstanding climbing ability, low heat emission, and is maintenance-free.
- / The CANBUS structure makes communication between all of the machine's functions faster and more reliable.
- / The operating handle's picking button is a part of the pallet truck's standard configuration. This allows the pallet truck to be operated from the side to increase the efficiency of the picking operation.
- / The pallet truck's parking brake prevents it from sliding on a grade.

Reliability

- / The pallet truck frame is made of high-strength steel plates. It is designed to have a long service life in various working conditions.
- / The box-type stamped forks are stronger, more rigid, and impact resistant.
- / Water-proof plug connectors offer protection for all of the cables. This significantly increases the reliability of the end control rider's electrical system.
- / The limit switch of the lifting motor eliminates the overflow of the hydraulic power unit. This is more energy efficient and can protect the power unit's motor.

Comfort

- / Low-noise reduction gear box and high-elasticity PU traction wheel result in low noise.
- / Additional wheels supported with PU blocks and springs realize more stable traveling.
- / The inner concave design at the bottom of the machine's hood offers more room for the operator's feet.

Standard

- / Highly Efficient AC Driving Motor
- / High Performance PU Driving Wheels
- / CURTIS AC Controller
- / High Performance Hydraulic Power Unit
- / Anti-Skid Pedal Pad for Standing Operation
- / CANBUS Multi-Functional Operating Handle
- / Multi-Functional Interactive Instrument Display
- / PU Buffering Elastic Auxiliary Wheels
- / Electromagnetic Brake
- / Load Backrest

Options

- / 28" Distance between Fork-Arms
- / Optional Fork Lengths: 96" or 144"
- / Storage Box
- / Electronic Power Steering
- / Knee Pad

Features



The roomy, low step height, platform is designed to reduce operator fatigue. The optional cushioned knee pads allow the operator to adjust there stance throughout the shift. This creates a more comfortable operating experience.



The CURTIS AC Control System



The load backrest is secured with high-strength bolts to protect the operator.



The Multi-Function Tiller

A Series Electric Lithium-ion End Control Rider Pallet Truck

Distinguishing Marks	1.1	Manufacturer		HANGCHA GROUP CO.,LTD.	
	1.2	HCFA Model		ECR27Li	ECR36Li
	1.3	Manufacturer's Type Designation		CBD27-AC1S-NAI	CBD36-AC1S-NAI
	1.4	Drive: electric (battery or mains), diesel, petrol, fuel gas		Electric	Electric
	1.5	Operator Type		Walk/Ride	Walk/Ride
	1.6	Rated Capacity/Rated Load	Q(lb/kg)	6000/2700	8000/3600
	1.7	Load Centre Distance	c(in/mm)	24/610	24/610
	1.8	Load Distance, centre of drive axle to fork	x(in/mm)	40.6/1030	40.6/1030
	1.9	Wheelbase	y(in/mm)	66.7/1695	66.7/1695
Weight	2.1	Service Weight	lb/kg	1830/830kg	1830/830kg
	3.1	Tires: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane
Tires & Chassis	3.2	Tire size, front	in/mm	Φ12.2×4.3/Φ310×110	Φ12.2×4.3/Φ310×110
	3.3	Tire size, rear	in/mm	2-Φ3.3×6.5/Φ83×165	2-Φ3.25×6.5/Φ83×165
	3.4	Additional wheel (dimensions)	in/mm	2-Φ5×2.4/Φ125×60	2-Φ5×2.4/Φ125×60
	4.4	Lift	h3(in/mm)	5.9/150	5.9/150
Dimensions	4.15	Fork Height, lowered	h13(in/mm)	3.3/83	3.3/83
	4.19	Overall Length	l1(in/mm)	91.1/2315	91.1/2315
	4.20	Head Length	l2(in/mm)	43.1/1095	43.1/1095
	4.21	Overall Width	b1(in/mm)	35.8/910	35.8/910
	4.25	Distance between Fork-Arms	b5(in/mm)	27.2/690	27.2/690
	4.35	Turning Radius	Wa(in/mm)	80.1/2035	80.1/2035
	5.1	Travel Speed, laden/unladen	mph/kph	5.6/8.7 (9/14)	5.6/8.7 (9/14)
Performance Data	5.8	Max Gradeability, laden/unladen	%	8/15	8/15
	5.10	Service Brake		Electromagnetic	Electromagnetic
Electric Motor	6.4	Lithium Iron Phosphate Battery Pack	V/Ah	25.6V/230Ah	25.6V/230Ah
	9.1	Controller Manufacturer		Curtis	Curtis