



ZHEJIANG HANGCHA IMP. & EXP. CO., LTD.

Factory site: 666 Xiangfu Road,
Hangzhou, Zhejiang, China (311305)

Tel: +86-571-88926735 88926755
Fax: +86-571-88926789 88132890

sales@hcforklift.com
www.hcforklift.com



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ISO14001
ISO14001:2015



ISO9001
ISO9001:2015



HANGCHA trucks conform
to the European Safety
Requirements.

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A series Mini Walkie Pallet Truck / Li-Ion

with capacities of 1,500 to 2,000kg



INNOVATIVE LITHIUM-ION



The World of Hangcha
SINCE 1956





A series Mini Walkie Pallet Truck / Li-Ion

The A series lithium battery mini pallet truck is a new generation product recently developed by Hangcha for warehousing and logistics applications. Using permanent magnet drive technology and with advanced performance, comfortable, safe and reliable operations and low costs, it is an ideal tool for loading, unloading and handling palletized goods in warehouses, supermarkets, workshops and homes.

Appearance and Ergonomics.



Appearance:

- The A series mini pallet truck adopts a professional industrial design in appearance. The truck has a smooth vivid profile, a compact shape and a fully ergonomic design.
- With a large number of steel plate stamping and injection molding processes to enable a robust and durable product that meets environmental protection requirements.



High performance:

- With high power and 1.5 - 2 tons load capacity to meet the handling needs of most customers.
- DC permanent magnet / permanent magnet synchronous traction motor provides excellent performance and low heat generation.
- The truck has a regenerative braking function and can prevent sliding down a ramp.



High Power



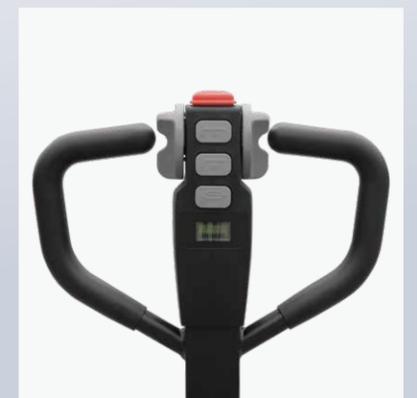
High-end Cell



Code Lock

Comfort:

- The newly-developed control joystick is reliable, stylish and compact and all operations can be completed with one hand.
- The code lock can be used more conveniently.
- The low steering resistance design enables easy steering.
- With a high-end cell and multiple safety protection systems, the high-performance lithium battery has a long service life, maintenance-free, safe and reliable and can be charged quickly and replaced easily.
- Thanks to the compact, lightweight and flexible design, the truck with upright walking function can be operated very easily. It can be operated in narrow aisles, e.g., in a container.
- The clearance of forks are only 80mm, it can fit more pallets.



There Are Many Sides To Reliability.



Reliability:

- The innovative structural design can prevent the harness and electrical parts from moving together with the lifting parts, making the truck highly reliable.
- The truck can hibernate automatically. When not used for a period of time, the truck will hibernate automatically to effectively protect the battery and prolong the battery's service time.
- All wires and cables connected with a water-proof plug and connector, providing reliable protection and significantly improves the reliability.
- With a low-noise low-vibration high-performance hydraulic power unit to enable stable and reliable lifting and lowering.
- With an electronic lifting limit switch to avoid overflow from the hydraulic power unit, save more energy and protect the motor, the switch has high reliability and long life.
- The interlock switch is a non-contact proximity switch with high reliability.



Save More Energy



Hibernate Automatically



Water-proof



Everything Works Better. Because More Safety & Easy.

Safety:

- With the functions of release braking, reverse braking and emergency braking to ensure safe driving.
- Anti-roll back function to ensure safe operation.
- The emergency reverse button on the handle can effectively prevent the driver from being injured in an emergency occurring when the truck is driving forwards.
- With the dual protection by the electronic lifting limit and mechanical limit switches that are provided for the standard configuration, the impact caused by lifting to the top can be avoided, the motor can be effectively protected and the safety of the goods can be ensured.



Maintenance:

- The lithium battery can be charged quickly and replaced easily.
- The novelty-designed handle has key switches that can be replaced separately.
- Power display can prompt users to charge in time.
- With a hood that can be opened very easily to expose all components and facilitate the maintenance of pallet.
- With all spindles equipped with self-lubricated sleeves and oil cups to facilitate maintenance and a long service life.



Standard Specification

- DC permanent magnet / permanent magnet synchronous traction motor
- Dual load wheels
- Fork interval: 560mm
- Fork length: 1150mm
- Code lock
- Emergency power off switch
- Multi-function meter
- High-performance lithium battery
- Non-contact interlock switch
- Electronic lifting limit switch
- Upright walking
- Horn

Options

- Fork interval: 680mm
- Fork length: 1220mm
- Single load wheel



A series Mini Walkie Pallet Truck / Li-Ion Specification

Distinguishing mark	1.1	Manufacturer	HANGCHA GROUP CO.,LTD.			
		1.2	Manufacturer's type designation	CBD15-AMJ2-SI*	CBD15-AMA-SI	CBD20-AMA-SI
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Pedestrian	Pedestrian	Pedestrian	
	1.5	Rated capacity/rated load	Q (kg)	1500	1500	2000
	1.6	Load centre distance	c (mm)	600	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	960	960	960
	1.9	Wheelbase	y (mm)	1123 ³⁾	1123 ³⁾	1123 ³⁾
Weight	2.1	Service Weight(Including battery)	kg	140	140	150
		Battery weight	kg	6.25	6.25	7.7
Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		PU	PU	PU
	3.2	Tyre size, front		Φ210x70	Φ210x70	Φ210x70
	3.3	Tyre size, rear		Φ80x64	Φ80x64	Φ80x64
	3.5	Wheels, number front / rear (x = driven wheels)		1x/4	1x/4	1x/4
	3.7	Tread, rear	b _{r1} (mm)	400	400	400
Dimensions	4.4	Lift	h ₃ (mm)	120	120	120
	4.15	Fork height,lowered	h ₁₃ (mm)	80	80	80
	4.19	Overall length	l ₁ (mm)	1562	1562	1562
	4.21	Overall width	b ₁ (mm)	560	560	560
	4.22	Fork dimensions	s/e/l (mm)	50/160/1150	50/160/1150	50/160/1150
	4.25	Distance between fork-arms	b _s (mm)	560/680	560/680	560/680
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	30	30	30
	4.34.1	Aisle width for pallets 1000 x 1200 crossways	A _{s1} (mm)	1763 ³⁾	1763 ³⁾	1763 ³⁾
	4.34.2	Aisle width for pallets 800 x 1200 lengthways	A _{s2} (mm)	1813 ³⁾	1813 ³⁾	1813 ³⁾
4.35	Turning radius	W _a (mm)	1296 ³⁾	1296 ³⁾	1296 ³⁾	
Performance data	5.1	Travel speed,laden/unladen	km/h	4.5/4.8	4.5/4.8	4.5/4.8
	5.2	Lift speed,laden/unladen	m/s	0.025/0.035	0.025/0.035	0.025/0.035
	5.3	Lowering speed,laden/unladen	m/s	0.05/0.040	0.05/0.040	0.05/0.040
	5.8	Max Gradeability,laden/unladen	%	6/15	8/15	6/15
Electric Engine	6.1	Drive motor rating S2 60 min	kW	0.65	0.65	0.65
	6.2	Lift motor rating at S3 15%	kW	0.8	0.8	0.8
	6.4	Battery voltage,rated capacity	V/Ah	24/24	24/24	24/30
	8.1	Type of drive control		DC	PMSM	PMSM

Note : 1). VDI 2198 : +345mm
 2). VDI 2198 : +192mm
 3). When fork lowered,+76mm
 * CE model

