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ISO45001:2018



ISO14001:2015



ISO9001:2015



HANGCHA trucks conform
to the European Safety
Requirements.

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XA SERIES

PALLET TRUCK

With capacity of 2,000 to 3,000kg



EFFORTLESSLY MAXIMISING PERFORMANCE

- The advanced AC control system ensures precise and stable control with high efficiency.
- The CANBUS bus structure makes the whole truck communication faster and more reliable.
- Equipped with an AC driving motor, it has excellent acceleration performance, good climbing ability, low heat generation, no brushes, and is maintenance-free.



6.0 Km/h
Travel speed
(laden)



8 %
Gradeability
(laden)(2.0t)

Standard equipment with EPS makes the operation more convenient and flexible.



XA SERIES PALLET TRUCK

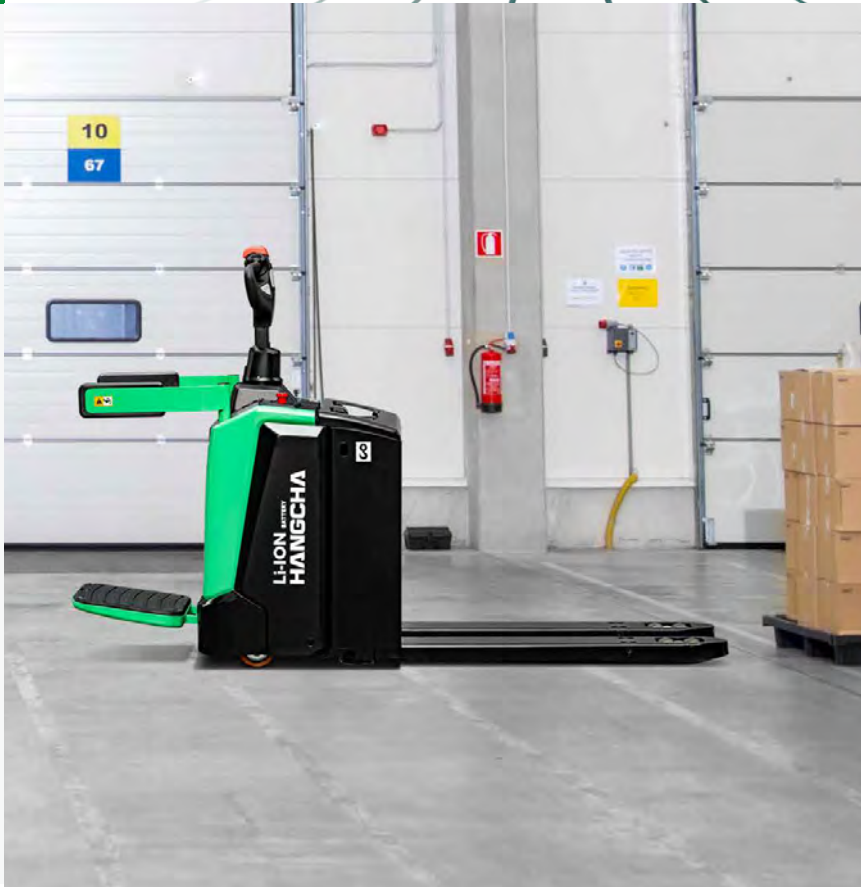
XA series pallet truck are a new generation of products developed by Hangcha specifically for warehouse logistics applications. They feature the latest **AC drive control system**, which is advanced in performance, comfortable to operate, safe and reliable, and has low cost for use and maintenance. They are an ideal tool for loading and unloading and moving palletized goods in warehouses, supermarkets, workshops.



APPEARANCE

The XA series pallet truck adopt a professional appearance design with a family and series consideration, with smooth lines and a dynamic look; they fully consider ergonomics and comply with the latest design trends.

The whole truck is surrounded by stamped steel plates, which are strong, sturdy, durable, high-grade, and meet environmental protection requirements.





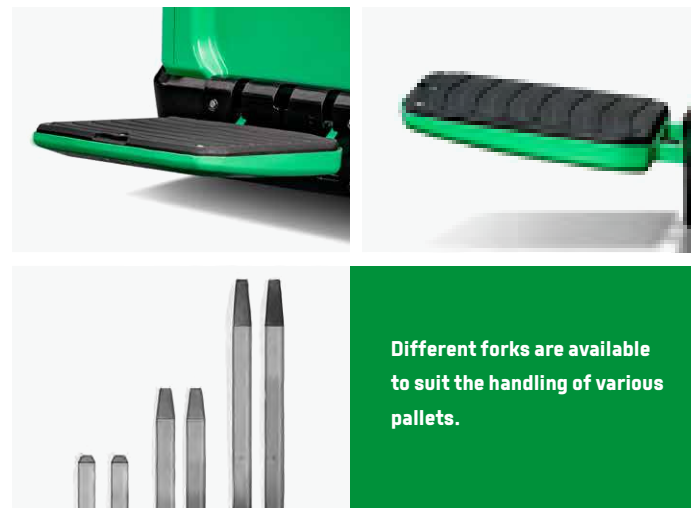
The optimized truck structure ensures that the truck has an excellent operating view, making it more convenient to enter and exit pallets.



The compact body and large corner design make the truck suitable for work in narrow spaces, and the chassis is designed with a wedge shape, greatly improving passability.

ENJOY YOUR WORK

- The shock absorbing suspension system makes the pallet travel more smoothly and operate more comfortably.
- The standing pedal is designed with shock absorption, greatly improving the comfort of standing and reducing fatigue from long-term driving.



The control handle is beauty and simple, with all operating functions easily completed with one hand.



The unique turtle speed function with a red light display makes it more convenient to move the truck slowly, and even in very narrow spaces, goods can be placed.



GET READY FOR MORE

- The stamped fork has higher strength and impact resistance, and the fork tip guide further improves work efficiency.
- The overall metal rear cover can resist external impacts.
- The low center of gravity design, with a high-strength steel frame structure, has a large residual load capacity and a long service life.



The unique shock absorbing floating suspension system of the stand-on ensures that the driving wheels are always in contact with the ground, ensuring the stability of the truck.



RELIABILITY

- The lifting rod system has been optimized for stable and reliable performance with minimal force.
- The whole series uses waterproof connectors, and all wires and cables have reliable protection, greatly improving the reliability of the electrical system.
- The hydraulic power unit is low noise, low vibration, and the lifting and lowering are stable and reliable.
- The interlocking switch uses a non-contact proximity switch, which is highly reliable.
- The power plug is fixed on the truck body to prevent damage to the plug when lifting the battery.
- The battery is securely fixed, and the battery cover is supported by soft materials, reducing the vibration and noise generated during operation.



PROTECT YOUR INVESTMENT

WITH THREE BRAKING TYPES:

Releasing brake, reversing brake and emergency brake, the driving safety has been ensured.

It has anti-slip protection on slopes to ensure operation safety.



The standard electronic lifting limit and the dual protection of the intelligent limit of the controller avoid impact when lifting to the top, effectively protecting the motor and the safety of the goods.



The emergency reverse button at the head of the handle can effectively prevent the operator from being injured when encountering an emergency while driving backward.



The standard cornering deceleration function is safer.



MORE UPTIME LESS UPKEEP



MAINTENANCE

- The AC motor is brushless and maintenance-free, saving usage costs.
- All shafts are equipped with lubricated bushings and oil cups, making maintenance convenient and extending the service life.



The integrated power display, timing, and fault self-diagnosis table are convenient for maintenance.



The rear cover can be completely opened, and the components are clear at a glance, making the maintenance of the truck very convenient.



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

**6 YEARS
WARRANTY**

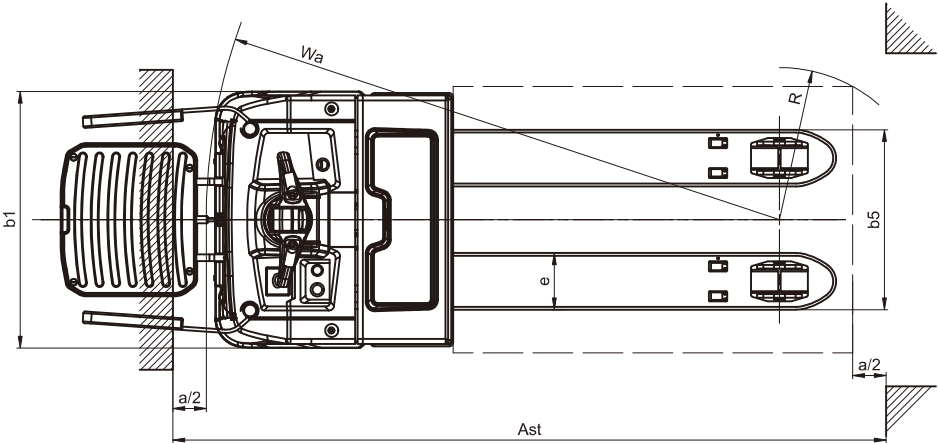
Technical data

Distinguishing mark	1.1	Manufacturer [abbreviation]		HANGCHA GROUP CO.,LTD.			
	1.2	Manufacturer's type designation		CBD20-XAJ1S-I/01S-I/C1S-I CBD20-XAQ1S-IF2 CBD20-XAQ1S-IA* CBD20-XAT17S-I	CBD20-XAJ1S/01S/C1S CBD20-XAQ1S-F2 CBD20-XAQ1S-A* CBD20-XAT17S	CBD30-XAJ1S-I/01S-I/C1S-I CBD30-XAQ1S-IF2 CBD30-XAQ1S-IA* CBD30-XAT17S-I	CBD30-XAJ1S/01S/C1S CBD30-XAQ1S-F2 CBD30-XAQ1S-A* CBD30-XAT17S
	1.3	Drive: electric [battery type, 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	kg	2000	2000	3000	3000
	1.6	Load centre distance	c (mm)	600	600	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	912/980	912/980	912/980	912/980
	1.9	Wheelbase	y (mm)	1392/1458	1392/1458	1392/1458	1392/1458
	2.1	Service weight	kg	560	685	560	715
Weight	2.2	Axle loading, laden front/rear	kg	1030/1530	1125/1560	1300/2260	1420/2295
	2.3	Axle loading, unladen front/rear	kg	460/100	555/130	460/100	580/135
Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		PU	PU	PU	PU
	3.2	Tyre size, front		Φ230-75	Φ230-75	Φ230-75	Φ230-75
	3.3	Tyre size, rear		Φ83-80	Φ83-80	Φ83-80	Φ83-80
	3.4	Additional wheels [dimensions]		Φ125-50	Φ125-50	Φ125-50	Φ125-50
	3.5	Wheels, number front/rear [• = driven wheels]		1x•2/4	1x•2/4	1x•2/4	1x•2/4
	3.6	Tread, front	b10 (mm)	535	535	535	535
	3.7	Tread, rear	b11 (mm)	370	370	370	370
Dimensions	4.4	Lift	h3 (mm)	125	125	125	125
	4.9	Height drawbar in driving position min./max.	h14 (mm)	1180/1400	1180/1400	1180/1400	1180/1400
	4.15	Height, lowered	h13 (mm)	85	85	85	85
	4.19	Overall length	l1 (mm)	1867	1867	1867	1867
	4.20	Length to face of forks	l2 (mm)	717	717	717	717
	4.21	Overall width	b1 (mm)	770	770	770	770
	4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	60/170/1150	60/170/1150	60/170/1150	60/170/1150
	4.25	Fork spread	b5 (mm)	540	540	540	540
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	23	23	23	23
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2091[2529] ¹⁾	2091[2529] ¹⁾	2091[2529] ¹⁾	2091[2529] ¹⁾
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2141[2579] ²⁾	2141[2579] ²⁾	2141[2579] ²⁾	2141[2579] ²⁾
	4.35	Turning radius	Wa (mm)	1654/1721	1654/1721	1654/1721	1654/1721
Performance data	5.1	Travel speed, laden/unladen	km/h	6/7	6/7	6/7	6/7
	5.2	Lift speed, laden/unladen	m/s	0.046/0.060	0.046/0.060	0.031/0.050	0.031/0.050
	5.3	Lowering speed, lade/unladen	m/s	0.050/0.040	0.050/0.040	0.047/0.038	0.047/0.038
	5.8	Max. gradeability, laden/unladen	%	8/16	8/16	6/16	6/16
	5.10	Service brake		Regenerative	Regenerative	Regenerative	Regenerative
Electric-engine	6.1	Drive motor rating S2 60 min	kW	1.6	1.6	1.6	1.6
	6.2	Lift motor rating at S3 15 %	kW	1.2	1.2	1.2	1.2
	6.4	Battery voltage/ nominal capacity	V/Ah	24/150	24/210	24/150	24/240
	6.5	Battery weight	kg	70	195	70	225

Note: 1) According to VDI2198 standard+430mm. 2)According to VDI2198 standard+236mm.

※ F2: Means the cold storage truck model F2 are suitable for use in cold storage environments down to -30 °C.

★ A: Anti-corrosion protection, the type A is suitable for enviroments with C5-I and C5-M ratings.



Features

Truck	Standard	Options
24V AC asynchronous drive motor	●	
Hydraulic power unit	●	
Polyurethane drive wheel	●	
Fork length: 1150mm	●	
Distance between fork-arms: 540mm	●	
Fork surface from the ground: 85mm	●	
Electronic lifting limit	●	
Additional wheel	●	
Dual load wheels	●	
A full range of fork lengths		○
A full range of distance between fork-arms		○
Single load wheel		○
Turning deceleration	●	
Controls and instruments		
EPS [Electric Power Steering] system	●	
AC controller	●	
Multifunctional instruments	●	
Key switch	●	
Non-contact interlock switch	●	
Multi-functional handle	●	
Stepless lifting/lowering speed control	●	
USB Power Supply		○
Safety		
Emergency shut-off switch	●	
Horn	●	
Turning deceleration	●	
Other		
Automatic charger		○

Optional Lead Acid Battery List

Capacity(Ah)
24V/210/240/280/340Ah

Optional Lithium Battery List

Capacity(Ah)		
EVE	● 24V/150Ah	○ 24V/230Ah

Note: ● Battery; ○ Battery Opt;

