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A Series Three-Wheel High Level Order Picker

with capacities of 3,000lbs



Making Material Handling Easier
SINCE 1956



A Series Three-Wheel High Level Order Picker

The A Series Three-Wheel High Level Order Picker is designed to meet order fulfillment needs in narrow aisle environments. This order picker has a comprehensive safety protection system, excellent ergonomics, and an advanced control system. Being reliable, comfortable, safe, and stable, all while providing excellent performance, it is perfect choice for stock picking in a stereoscopic warehouse from 197" through 366" in height.

NARROW-ASLE SOLUTIONS

High Performance

- / The maximum full-load travel speed is 7.5mph. This allows for an increase in productivity.
- / The German ZF gearbox and German Schabmueller AC drive and steering motors provide performance, stability, and are reliable.
- / The AC hydraulic lifting system is highly efficient and maintenance-free.
- / The advanced CURTIS control system provides precise, smooth, and efficient control of the order picker.
- / CANBUS structure allows for the whole vehicle to communicate faster and more reliably.





Comfort

- / As a part of the standard configuration, a height sensor is provided.
- / Shifting and lifting or lowering of the mast are buffered to enable more comfort.
- / CURTIS multi-function instruments include functions such as mode selection and wheel position. The instruments also clearly display various information about the order picker.

Safety

- / The full body harness provides protection for the operator.
- / A tilt switch sensor is provided to improve operational safety.
- / The left and right guardrails are equipped with safety switches.
- / The function of proportional speed reduction in corners is equipped as standard to ensure smooth and safe turning.
- / An emergency lowering feature is included standard. This operation can be carried out via the control platform or from the rear of the vehicle, respectively.

Reliability

- / The vehicle's frame is robust and reliable thanks to its high-strength steel frame structure.
- / All of the order picker's wires and cables are protected. This greatly improves the reliability of the electrical system.
- / Switches, connectors, instruments, and other key parts are all high-quality products with excellent performance and quality.



The A Series Order Picker provides operators with an unobstructed view contributing to an increase in the operator's confidence at height.



Fully variable lift/lower speeds provide precise control.



LORD steering gear with torque feedback is provided to enable higher operating safety and operator comfort.



With a safety factor of 10, the mast chain is equipped with a chain safety switch.



The manual-locking pallet clamp works on a wide range of pallets. It also accommodates pallet stringers ranging from 1" to 2" so operators can safely handle any pallet.

Maintenance

- / The brushless AC motor is maintenance-free. This saves the end-user time and money.
- / The integrated power display, timing, and fault self-diagnosis meter are convenient for maintenance.
- / The rear hood can be easily removed without tools. This is convenient for maintenance of the hydraulic unit, electric control, motor, and other parts.

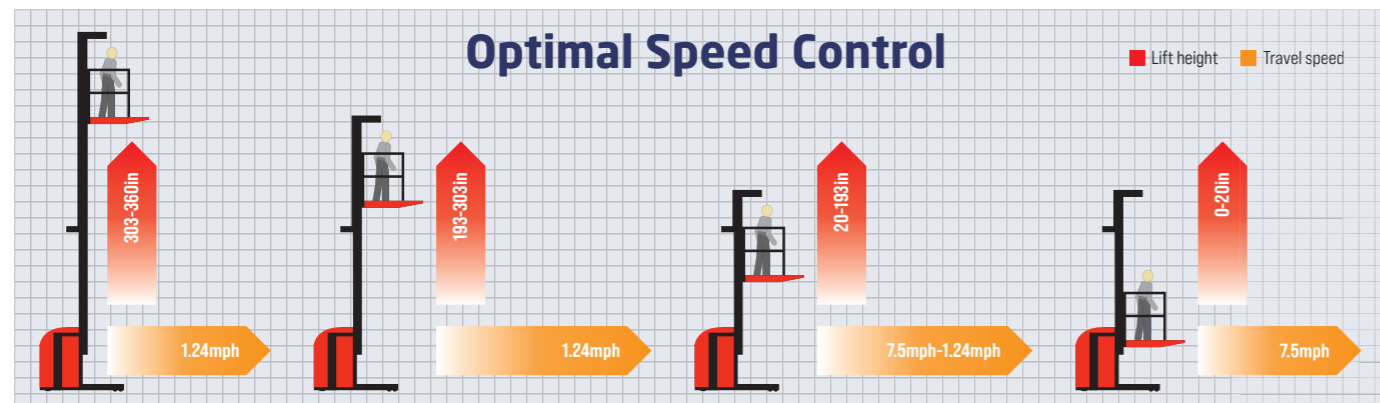
Standard Specification

- / 36V Electrical System
- / ZF Drive Unit
- / INTORQ Electromagnetic Brake
- / LORD Steering Gear
- / CURTIS AC Motor Controller
- / CURTIS Multi-Function Instrument
- / Chain Safety Switch
- / Reflective Mirror
- / LED Ceiling Light
- / LED Side Light
- / Emergency Cut Off Switch
- / Alarm Light
- / Height Sensor
- / Safety Pedal
- / Tilt Switch
- / Left and Right Guard Rail
- / Guard Rail Switch
- / Electrostatic Belt
- / Electromagnetic Brake
- / Full Body Harness and Energy-Absorbing Tether
- / Pallet Clamp
- / Fully Variable Lift/Lower Controls
- / Manual Emergency Lowering System
- / Work Material Storage Compartments
- / Cushioned Mast Stops
- / Cushioned Mast Staging
- / Automatic Return to Center Drive Wheel Upon Start-Up
- / Electronic Power Steering
- / Battery Compartment Rollers



Optional Equipment

- / Side Roller
- / Blue Light
- / Head Lamp
- / Wire Mast Screen



The A Series Order Picker is available with the advanced intellispeed system. This system smoothly coordinates travel speeds and load height. Compared to conventional speed control, intellispeed maximizes truck speed as the platform rises, capitalizing on an area of opportunity for providing faster travel between picks.



A Series Four-Wheel High Level Order Picker Specification

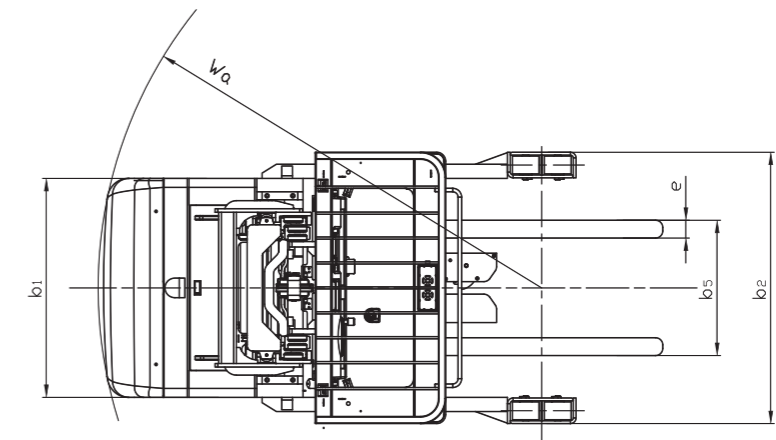
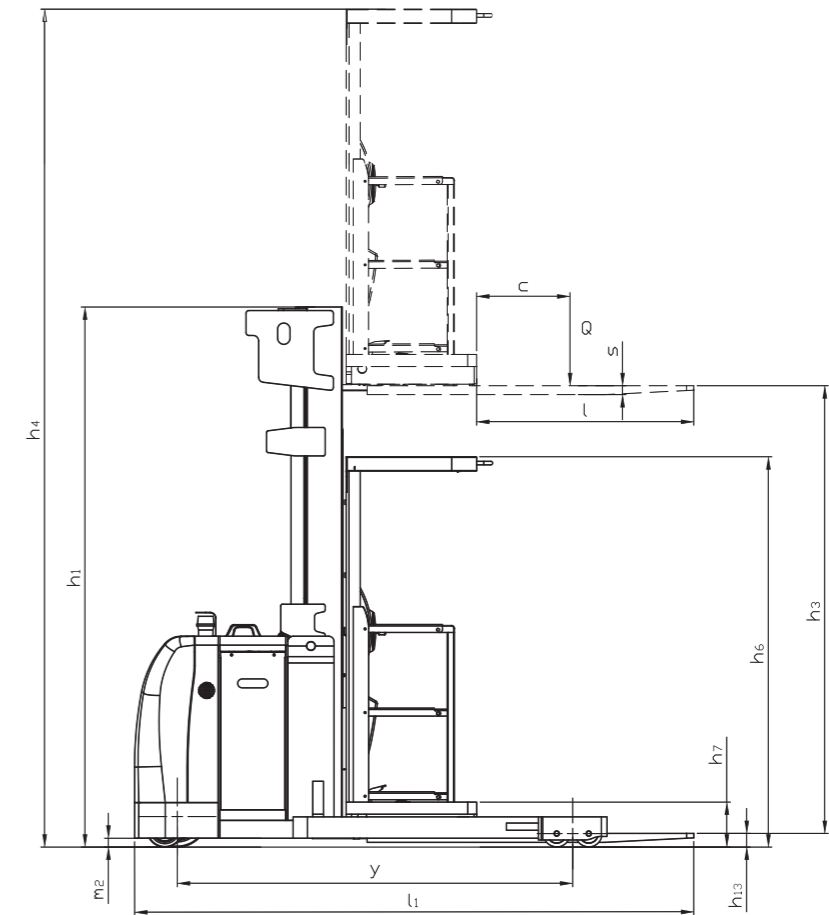
Distinguishing Marks	Manufacturer	HANGCHA GROUP CO.,LTD.	
	HCFA Model	DPHT13	
	Model	CJD13-AC2-HNA	
	Drive: electric (battery or mains),diesel,petrol,fuel gas	Electric	
	Operator Type: hand,pedestrian,standing,seated,order-picker	Order Picker	
	Rated Capacity/Rated Load	Q(lb/kg)	3000/1360
	Load Centre Distance	c(in/mm)	24/600
	Wheelbase	y(in/mm)	61.3/1556
Weight	Service Weight (without battery)	See table 1	
	Tires: solid rubber, superelastic, pneumatic, polyurethane	Polyurethane	
Tires & Chassis	Tire Size, front	in/mm	Ø13.5×5.5 Ø343×140
	Tire Size, rear	in/mm	Ø6×4 Ø150×100
	Wheels, number front/rear (× = driven wheels)	1×/4	
	Height, mast lowered	See table 1	
Dimensions	Lift	See table 1	
	Height, mast extended	See table 1	
	Height of Overhead Guard (cabin)	hs(in/mm)	92.3/2345
	Standing Height	hr(in/mm)	10/253
	Height, lowered	hs(in/mm)	3/75
	Overall Length	l(in/mm)	130.1/3305
	Overall Width	See table 1	
	Fork Dimensions DIN ISO 2331	s/e/l(in/mm)	2/4/48 50/100/1220
	Width Across Forks	bs(in/mm)	24-30/610-760
	Ground Clearance, centre of wheelbase	mz(in/mm)	2/50
Performance Data	Turning Radius	Wa(in/mm)	71.3/1810
	Travel Speed, laden/unladen	See table 2	
	Lift Speed, laden/unladen	fpm mm/s	69/94.6 350/480
	Lowering Speed, laden/unladen	fpm mm/s	78.8/78.8 400/400
	Gradeability, laden/unladen	%	5/10
	Service Brake	Electromagnetic	
Electric Motor	Drive Motor rating at S2 60 min	hp/kw	8.6/6.4
	Lift Motor rating at S3 15 %	hp/kw	17.2/12.8
	Battery Voltage/Nominal Capacity K5	V/Ah	36/900
	Battery Size	in/mm	38.7×20.7×31 983×527×787
	Battery Weight	lb/kg	2101/954
Additional Data	Sound Pressure Level at the Driver's Seat	dB(A)	69

Table 1

	Lift	Height, mast lowered	Height, mast extended	Stand Height, elevated	Service Weight (without battery)	Overall Width
	hs(in/mm)	h1(in/mm)	h4(in/mm)	hs(in/mm)	lb/kg	b1/b2(in/mm)
N5000	197/5000	100/2540	289/7345	206.7/5250	6730.7/3053	40/42 1015/1220
N6100	240/6100	114.4/2905	332.5/8445	250/6350	6984/3168	40/42 1015/1220
N7000	275.5/7000	126.2/3205	368/9345	285.4/7250	7204.7/3268	40/54 1015/1370
N8000	315/8000	139.4/3540	407.3/10345	324.8/8250	7436/3373	40/54 1015/1370
N9300	366/9300	156.3/3970	458.5/11645	376/9550	7733.8/3508	40/60 1015/1525

Table 2

Lift Height hs in(mm)	Travel Speed mph(km/h)
0-20(0-500)	7.5(12)
20-193(500-4900)	7.5-1.24(12-2)
193-303(4900-7700)	1.24(2)
303-366(7700-9300)	1.24(2)



CJD13-AC2S-HNA

