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A Series High Level Order Picker

with capacities of 3,000lbs



Making Material Handling Easier
SINCE 1956



A Series High Level Order Picker

The A Series Three-Wheel and Four-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-AISLE 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.

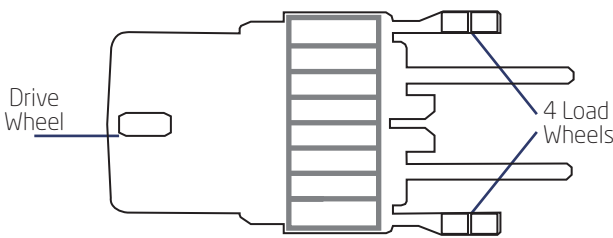




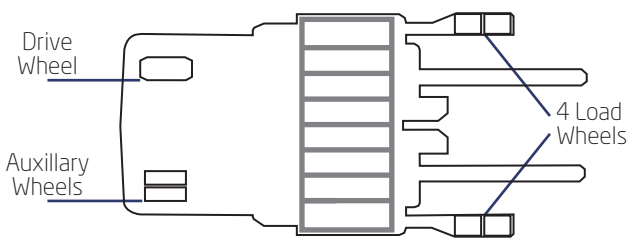
Safety

- / 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.

Three-Wheel Layout



Four-Wheel Layout



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

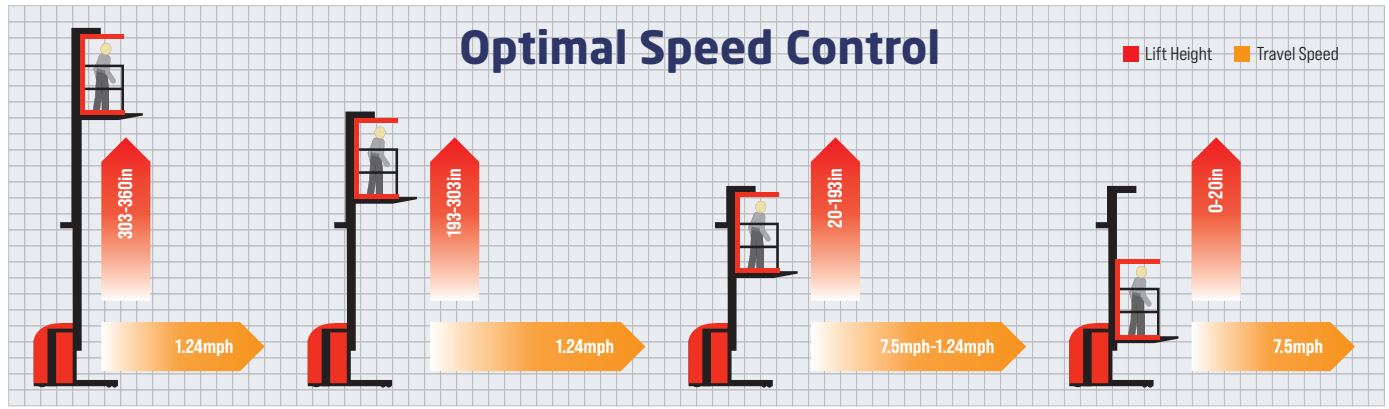
- / 36V Electrical System
- / ZF Drive Unit
- / INTORQ Electromagnetic Brake
- / LORD Steering Gear
- / CURTIS AC Motor Controller
- / CURTIS Multi-Function Instrument
- / Chain Safety Switch
- / Reflective Mirror
- / LED Ceiling Light
- / LED Side Light
- / Emergency Cut Off Switch
- / Alarm Light
- / 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

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.

Options

- / 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 High Level Order Picker Specification

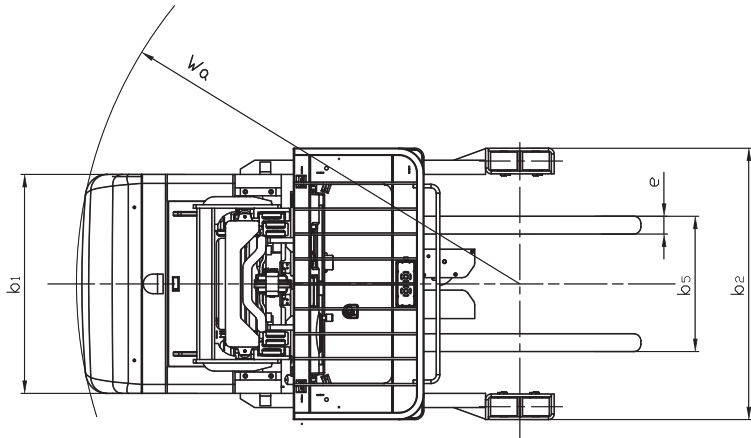
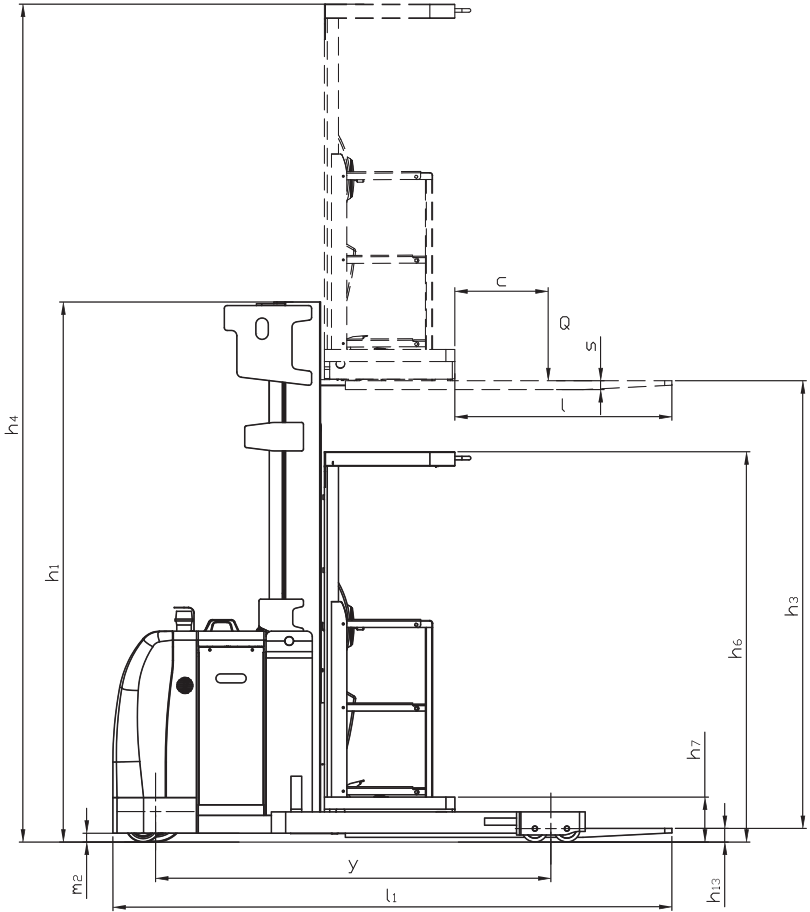
Distinguishing Marks	Manufacturer		HANGCHA GROUP CO.,LTD.	
	HCFA Model		OPHT13	OPH13
	Model		CJD13-AC2-HNA	CJD13-AC2S-HNA
	Drive: electric (battery or mains),diesel,petrol,fuel gas		Electric	Electric
	Operator Type: hand,pedestrian,standing,seated,order-picker		Order Picker	Order Picker
	Rated Capacity/Rated Load	Q(lb/kg)	3000/1360	3000/1360
	Load Centre Distance	c(in/mm)	24/600	24/600
	Wheelbase	y(in/mm)	61.3/1556	87.5/2222
Weight	Service Weight (without battery)		See table 1	See table 1
Tires & Chassis	Tires: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane
	Tire Size, front	in/mm	Ø13.5×5.5 Ø343×140	Ø13.5×5.5 Ø343×140
	Tire Size, rear	in/mm	Ø6×4 Ø150×100	Ø6×4 Ø150×100
	Wheels, number front/rear (× = driven wheels)		1x,/4	1x,1/4
Dimensions	Height, mast lowered		See table 1	See table 1
	Lift		See table 1	See table 1
	Height, mast extended		See table 1	See table 1
	Height of Overhead Guard (cabin)	h6(in/mm)	92.3/2345	92.3/2345
	Standing Height	h7(in/mm)	10/253	10/253
	Height, lowered	h3(in/mm)	3/75	3/75
	Overall Length	l1(in/mm)	130.1/3305	123.7/3142
	Overall Width		See table 1	See table 1
	Fork Dimensions DIN ISO 2331	s/e/l(in/mm)	2/4/48 50/100/1220	2/4/48 50/100/1220
	Width Across Forks	b5(in/mm)	24-30/610-760	24-30/610-760
	Ground Clearance, centre of wheelbase	m2(in/mm)	2/50	2/50
Performance Data	Turning Radius	Wa(in/mm)	71.3/1810	98.5/2500
	Travel Speed, laden/unladen		See table 2	See table 2
	Lift Speed, laden/unladen	fpm mm/s	69/94.6 350/480	67/74.9 340/380
	Lowering Speed, laden/unladen	fpm mm/s	78.8/78.8 400/400	86.7/80.8 440/410
	Gradeability, laden/unladen	%	5/10	5/10
	Service Brake		Electromagnetic	Electromagnetic
Electric Motor	Drive Motor rating at S2 60 min	hp/kw	8.6/6.4	8.6/6.4
	Lift Motor rating at S3 15 %	hp/kw	17.2/12.8	17.2/12.8
	Battery Voltage/Nominal Capacity K5	V/Ah	36/900	36/600
	Battery Size	in/mm	38.7×20.7×31 983×527×787	38.44×14.25×31 976×362×787
	Battery Weight	lb/kg	2101/954	1730/785
Additional Data	Sound Pressure Level at the Driver's Seat	dB(A)	69	69

Table 1

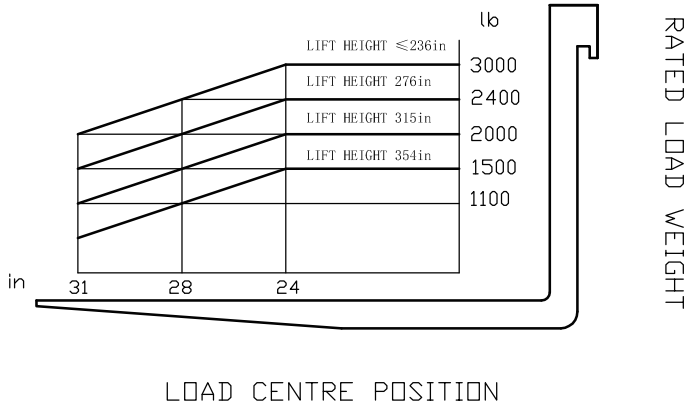
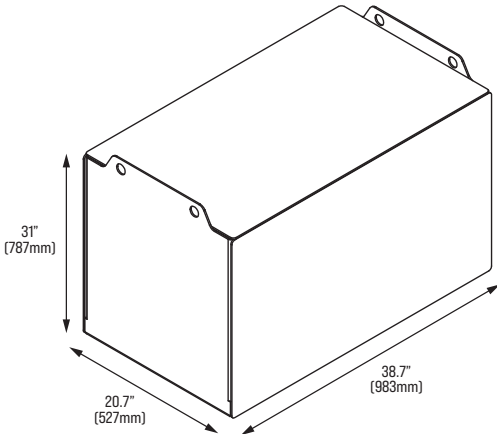
	Lift	Height, mast lowered	Height, mast extended	Stand Height, elevated	Service Weight (without battery)	Overall Width
	h3(in/mm)	h1(in/mm)	h4(in/mm)	h2(in/mm)	lb/kg	b1/b2(in/mm)
N5000	197/5000	100/2540	289/7345	206.7/5250	6730.7/3053	40/42 1015/1220
N6100	240/6100	114.4/2905	332.5/8445	250/6350	6984/3168	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 h3 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



LOAD CENTRE POSITION