J1HD

J1HD Joey

Task Support Vehicle



BIG JOE

SPECIFICATIONS



COMBINES ELEVATED WORK, ORDER PICKING AND TOWING

The Big Joe J1HD is a heavy-duty task support vehicle designed for order picking, elevated work tasks and towing in a variety of warehouse and retail applications. With a compact footprint, the J1HD moves effortlessly between locations, maneuvers accurately in narrow aisles and can tow up to 2,500 lb. With simple and intuitive controls, operators learn quickly how to make the most of this productivity-boosting equipment.

The J1HD Joey not only reaches higher than the standard J1, but also features higher performance and a heavy-duty design for high-throughput applications.

Its 48V AC powertrain provides higher performance while maintaining efficient operation. This model can be fitted with a flooded lead acid, AGM or Lithium-ion battery to meet the needs of the application.

FEATURES

Robust Construction

J1HD utilizes an all-steel chassis and a rigid, rolled steel I-beam mast that delivers excellent capacity and a solid feel up to 210 in. of elevation. Total capacity for this model is 1,200 lb. combined, including a 300 lb. capacity operator platform, 700 lb. capacity front load tray and a stowable 200 lb. capacity rear load tray.





Intuitive Controls

J1HD features controls integrated into flip-down armrests that are easy to learn in a layout designed to maximize operator comfort. The operator's left hand operates a tiller-style steering wheel. The right hand controls forward and reverse travel using a lever, while lifting and lowering of the operator platform are controlled with push buttons. A horn button is also conveniently located at the operator's right hand.

FEATURES

Smart Features for Confident Operations

The J1HD operator platform can be entered from either side and features a low step height for easy ingress. Side entry gates raise and lower with the control armrests, and an alarm will sound if these gates are opened while the operator platform is elevated. Gas spring assists make raising and lowering the side armrests easy for the operator.

An operator's presence foot switch prevents travel and lifting without the operator's input.

To help maintain smooth control, J1HD's travel speed is progressively reduced as the operator platform is raised. This design helps support stability while also maintaining productivity.

Standard features such as the front and rear red flashing lights and a lowering control valve accessible at the base of the chassis support both the operator and pedestrians working in the same area.





Powerful Electrical System

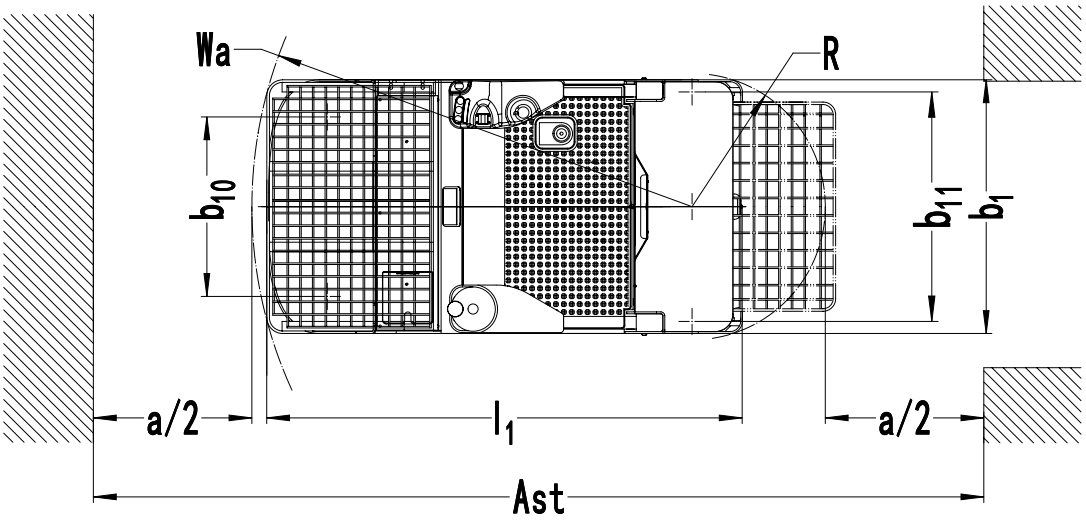
Powering J1HD are 48V brushless AC motors that maximize efficiency and lower maintenance costs. Premium motor controllers pair with a LCD display that provides the operator with four selectable travel speed modes. The display also provides fault code, hour meter, battery state-of-charge, travel speed and steering indications.

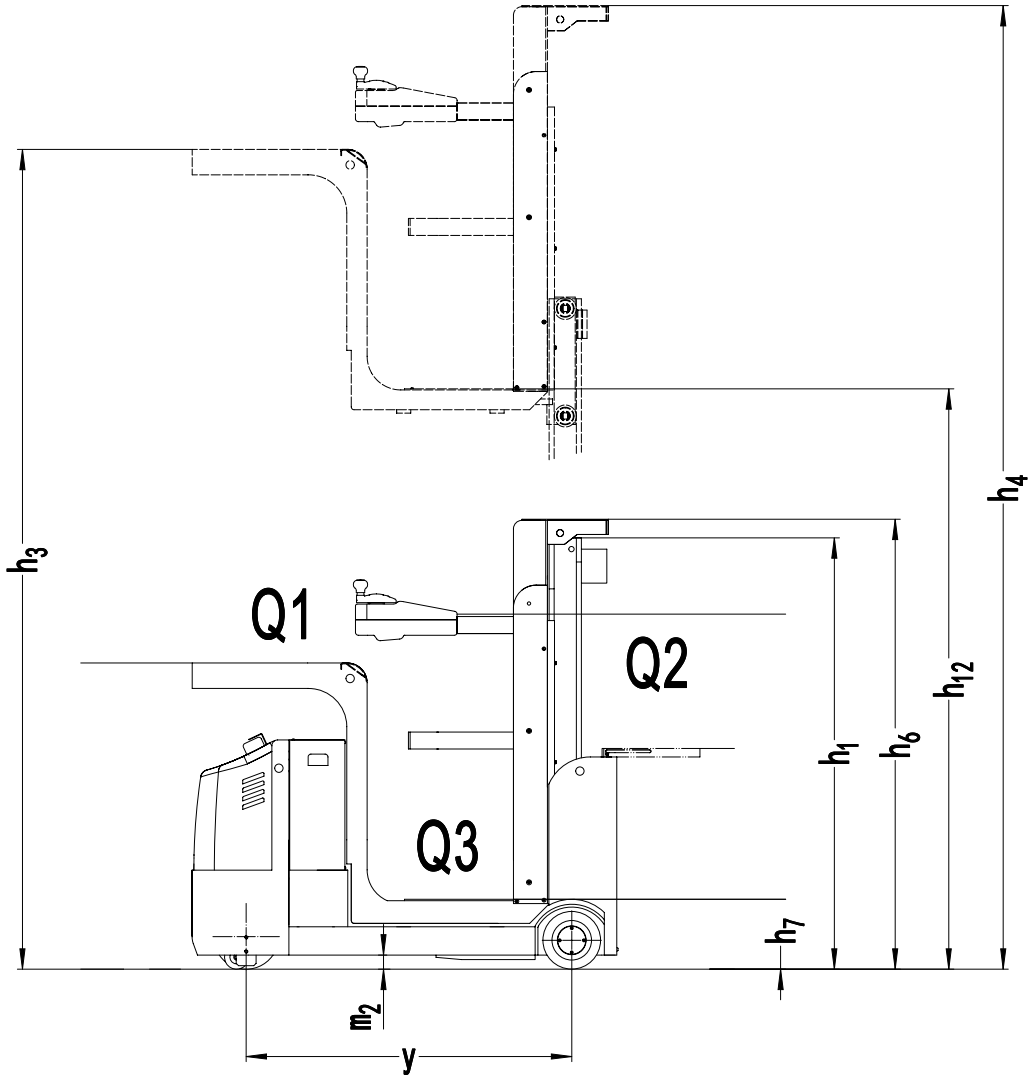
Ample Power Source

J1HD can be fitted with Big Joe's own Lithium-ion battery for maximum uptime, consistent performance and lower operating costs. This lithium battery can be paired with an optional external charger that provides a full recharge in about two hours. An industrial flooded lead acid battery can also be used in J1HD.

LI-ION

DIAGRAMS





SPECIFICATIONS

Distinguishing mark	1.1	Manufacturer			Big Joe
	1.2	Model designation			J1HD
	1.3	Drive			Electric
	1.4	Operator type			Order Picker
	1.5	Load capacity[1]	Q	lb.	1200
		Operator platform	Q3	lb.	300
		Front load tray	Q1	lb.	700
		Stowable lower load tray	Q2	lb.	200
	1.9	Wheelbase	y	in.	51.2
Service weight	2.1	Service weight		lb.	3600
	2.2	Axle loading, laden (front / rear)		lb.	1720 / 2690
	2.3	Axle loading, unladen (front / rear)		lb.	1190 / 2180
Tires/chassis	3.1	Tire type, front / rear			Polyurethane
	3.2	Tire size, front		in.	10.2 x 4.9
	3.3	Tire size, rear		in.	8 x 3
	3.4	Additional wheels (caster wheels)			2 casters
	3.5	Wheels, number, front/rear (x=drive wheels)			1x, 2 / 2
	3.6	Tread width, front	b10	in.	26.9
	3.7	Tread width, rear	b11	in.	33.1
Dimensions	4.2	Height, mast lowered	h1	in.	88.6
	4.4	Lift height	h3	in.	248
	4.5	Height, mast extended	h4	in.	289
	4.8	Standing height	h7	in.	9.8
	4.14	Standing height, elevated	h12	in.	210
	4.19	Overall length	l1	in.	66.3
	4.21	Overall width	b1/b2	in.	36.0
	4.32	Ground clearance, center of wheelbase	m2	in.	2
	4.34.1	Minimum aisle width for right angle turn	Ast	in.	78
	4.35	Turning radius	Wa	in.	63
		Operator platform (width x length)		in.	36.0 x 21.4
		Front load tray (width x length)		in.	35.4 x 27.2
		Stowable rear load tray (width x length)		in.	29.5 x 13.0
Performance Data	5.1	Travel speed, laden/unladen[2]		mph	6.5 / 6.5
	5.2	Lifting speed, laden/unladen		fpm	39.4 / 55.1
	5.3	Lowering speed, laden/unladen		fpm	68.9 / 59.1
	5.10	Service brake			Regenerative
Electric	6.1	Drive motor rating S2 60min		kW	4
	6.2	Lift motor rating at S3 15%		kW	4
	6.4	Battery voltage / nominal capacity		V/Ah	See standard & optional equipment
	6.5	Battery weight		lb.	700
	8.1	Type of drive control			AC
Additional	10.5	Steering design			Electric
	15.1	Charger output current		A	See standard & optional equipment

[1] Combined capacity or operator compartment and front load tray limited to 550 lb. above 126 in. elevation.
[2] Travel speed limited to 6.5 mph at 20 in. elevation, 2.0 mph at 106 in. elevation, 1.0 mph at 209 in. elevation.
Note: Joey J1HD only for use indoors on smooth and level surfaces

STANDARD/OPTIONAL EQUIPMENT

● Standard
○ Optional

Drive System	48V infinitely variable travel control	●
	Brushless AC drive motor	●
	Electronic power steering	●
	Automatic, progressive travel speed limit when elevated	●
	Electromagnetic parking brake	●
	Tow hitch, 2,500 lb. capacity	○
Battery and Charging	34 x 11.8 x 26.4 battery compartment size	●
	360Ah Lithium-ion battery	○
	External 120V /240V Lithium-ion battery charger, 50A / 100A output	○
	External 480V Lithium-ion battery charger, 150A output	○
	Industrial flooded lead acid battery, 48V / 210Ah	○
	External 240V, 75A output industrial, lead acid battery charger	○
Wheels & Tires	Polyurethane drive tire	●
	Polyurethane trailing tires	●
	Polyurethane casters	●
	Stability tabs	●
	Rail guidance	○

Operator	Left-hand steering control	●
	Right-hand throttle, lift/lower and horn controls	●
	Fixed front load tray with 700 lb. capacity	●
	Cushioned floor mat with operator presence switch	●
	Dual side entry operator platform with flip-up gates	●
	Clear View mast guard	●
	Key switch start	●
	USB charge port	●
	Operator harness with tether and anchor point	○
Lights and Alarms	Front work lights	●
	Front flashing beacon	●
	Front blue spot light	●
	Audible backup alarm	○
	Audible travel alarm	○
Warranty	Rated lifespan: 8 years / 4,000 hours, whichever comes first	●
	24 months / 2,000 hours - parts warranty - frame, weldment and drive train	●
	12 months / 1,000 hours - parts warranty - full vehicle	●
	6 months / 1,000 hours - pars & labor warranty - full vehicle	●















Established in 1951, Big Joe is a customer-driven North American material handling equipment company. We distribute innovative products for in-between-handling applications, purpose-built counterbalanced lithium forklifts, and market-leading autonomous solutions. Based in Madison, Wisconsin, we provide engineering expertise, customer service, aftermarket parts, and warranty support to our extensive dealer network and customers.



Certification: Big Joe lift trucks are built in compliance with ANSI B56.1 and OSHA section 1910.178(A)(2). Lift trucks specifications are subject to change without notice. Any specifications critical to the intended application of the forklift should be reviewed with your Big Joe dealer. Images may show optional equipment not available in all regions.

BIG JOE

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