J1

J1 Joey

Task Support Vehicle



BIG JOE

SPECIFICATIONS



COMBINES ELEVATED WORK, ORDER PICKING AND TOWING

J1 sits at the heart of Big Joe's Joey lineup. This task support vehicle is designed to support elevated work tasks, order picking and towing in warehouse, retail and industrial operations. From broken-case picking in e-commerce to delivering parts on the manufacturing line, the compact and versatile J1 Joey delivers like no other. The J1 Joey 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.

FEATURES

Robust Construction

The Joey J1 features an all-steel chassis with a stout, rolled steel I-beam mast that not only provides excellent capacity, but also maintains a solid feel as high as 192 in. of elevation. Total capacity for this model is 1,000 lb. combined, including a 300 lb. capacity operator platform, 500 lb. capacity front load tray and a stowable 200 lb. capacity rear load tray.





Intuitive Controls

J1 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 J1 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 presence foot switch prevents travel and lifting without the operator's input.

To help maintain smooth control, J1'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.





Smart Electronic Controls

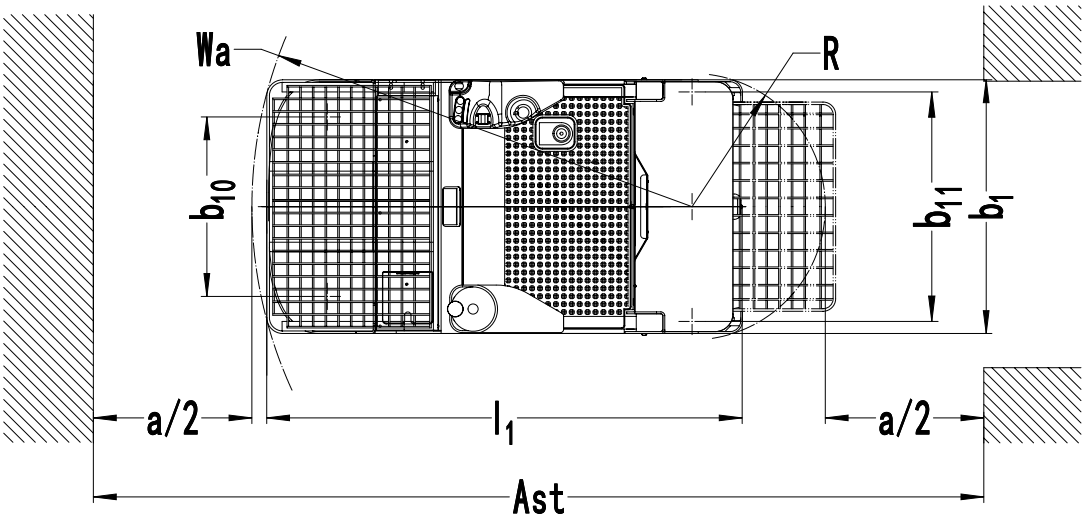
Powering J1 are 24V brushless AC motors that maximize efficiency and lower maintenance costs. Premium motor controllers pair with an LCD display that provides the operator with four selectable travel speed modes. The display also provides fault code, hour meter, battery state-of-charge, travel speed and steering indications.

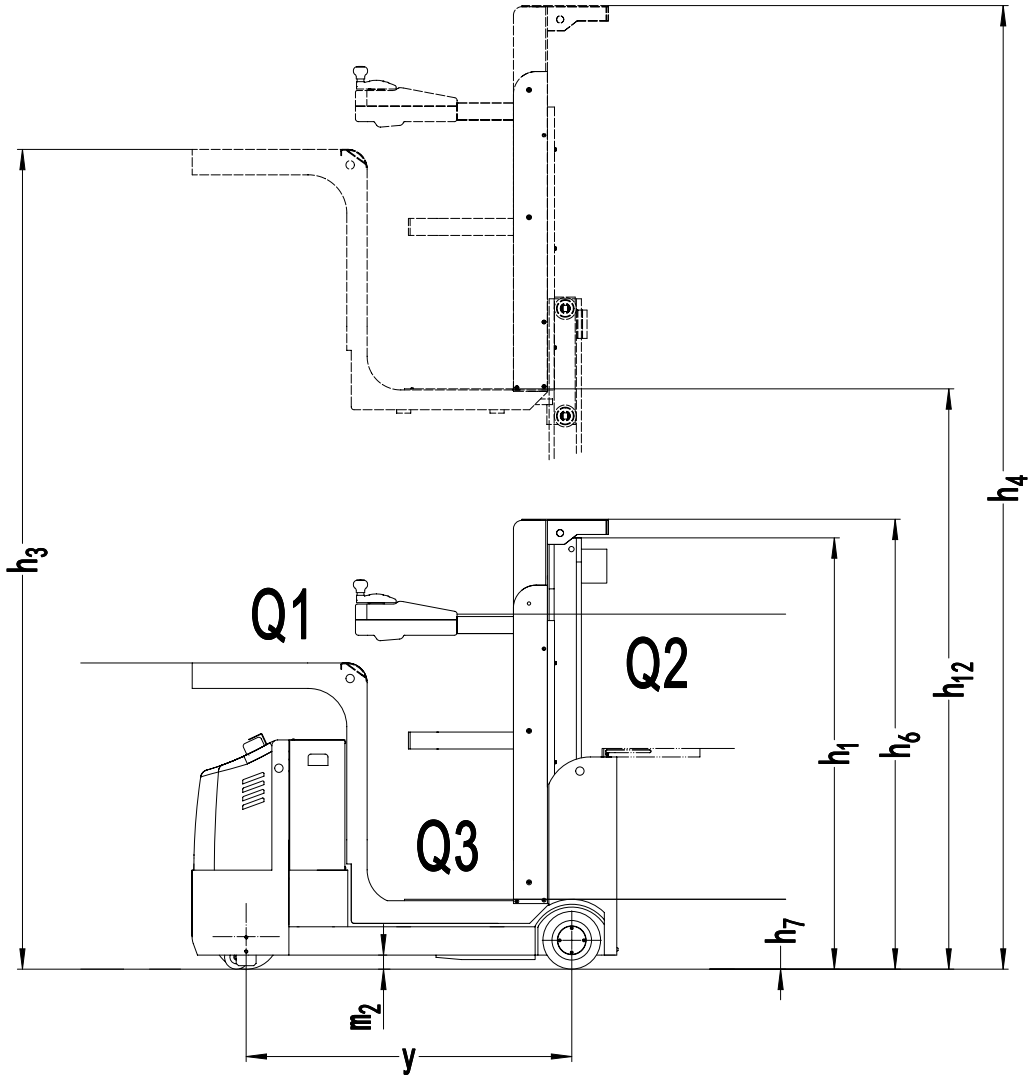
Flexible Battery and Charging Options

J1 can be fitted with Big Joe's own Lithium-ion battery with an onboard or external charger for maximum uptime and lower operating costs. Industrial flooded lead acid and absorbed glass mat (AGM) batteries are also available. Included battery rollers make it easy to remove the battery when needed, and a single-piece front cover provides excellent service access.



DIAGRAMS





SPECIFICATIONS

Distinguishing mark	1.1	Manufacturer			Big Joe		
	1.2	Model designation			J1-126	J1-162	J1-192
	1.3	Drive			Electric		
	1.4	Operator type			Order Picker		
	1.5	Load capacity[1]	Q	lb.	1000		
		Operator platform	Q3	lb.	300		
		Front load tray	Q1	lb.	500		
		Stowable lower load tray	Q2	lb.	200		
	1.9	Wheelbase	y	in.	45.2	45.2	49.0
Service weight	2.1	Service weight		lb.	2620	2990	3700
	2.2	Axle loading, laden (front / rear)		lb.	1450 / 2160	1630 / 2430	1720 / 2690
	2.3	Axle loading, unladen (front / rear)		lb.	1080 / 1480	1150 / 1810	1190 / 2180
Tires/chassis	3.1	Tire type, front / rear			Polyurethane / Non-marking rubber		
	3.2	Tire size, front		in.	9 x 3		
	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.	29.1	29.1	34.0
	3.7	Tread width, rear	b11	in.	29.1	29.1	34.0
Dimensions	4.2	Height, mast lowered	h6	in.	62.6	82.8	83.3
	4.4	Lift height	h3	in.	159	195	225
	4.5	Height, mast extended	h4	in.	179	235	265
	4.8	Standing height	h7	in.	9		
	4.14	Standing height, elevated	H12	in.	126	162	192
	4.19	Overall length	l1	in.	59.0	59.0	63.3
	4.21	Overall width	b1/b2	in.	31.5	31.5	34.0
	4.32	Ground clearance, center of wheelbase	m2	in.	2	2	2
	4.34.1	Minimum aisle width for right angle turn	Ast	in.	72	72	72
	4.35	Turning radius	Wa	in.	52.5	52.5	56.0
		Operator platform (width x length)		in.	29.0 x 21.4		
		Front load tray (width x length)		in.	31.5 x 20.5		
		Stowable rear load tray (width x length)		in.	26.0 x 13.6		
Performance Data	5.1	Travel speed, laden/unladen[2] [3]		mph	5.0 / 5.0		
	5.2	Lifting speed, laden/unladen		fpm	33.5 / 41.3		
	5.3	Lowering speed, laden/unladen		fpm	68.9 / 51.2		
	5.10	Service brake			Regenerative		
Electric	6.1	Drive motor rating S2 60min		kW	1.7		
	6.2	Lift motor rating at S3 15%		kW	2.2		
	6.4	Battery voltage / nominal capacity		V/Ah	See standard & optional equipment		
	6.5	Battery weight		lb.	345	345	660
	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 of operator compartment and front load tray limited to 450 lb. (J1-162 / 4,000 lb. (J1-192) above 126 in. elevation.
[2] Travel speed limited to 2.3 mph at 20 in. elevation, 1.5 mph at 74 in. elevation, 0.4 mph at 100 in. elevation. No travel above 162 in.
[3] Travel speed with high-speed travel option. Standard travel speed is 3.4 mph.
Note: Joey J1 only for use indoors on smooth and level surfaces

STANDARD/OPTIONAL EQUIPMENT

● Standard
○ Optional

Drive System	24V infinitely variable travel control	●
	Brushless AC drive motor	●
	Electronic power steering	●
	Automatic, progressive travel speed limit when elevated	●
	Electromagnetic parking brake	●
	High speed travel	○
	Tow hitch, 2,500 lb. capacity	○
Battery and Charging	29.1 x 7.9 x 30 in. battery compartment size (J1-126 and J1-162)	●
	32 x 11 x 30 in. battery compartment size (J1-192)	●
	Maintenance-free AGM batteries, 24V / 120Ah with 120V, 25A output charger	○
	205Ah Lithium-ion battery with onboard 120V, 30A output charger	○
	External 120V / 240V Lithium-ion battery charger, 50A / 100A output	○
	Industrial flooded lead acid battery, 24V / 340Ah[1]	○
	External 120V, 40A output industrial, lead acid battery charger	○
Wheels & Tires	Polyurethane drive tire	●
	Non-marking rubber 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 500 lb. capacity	●
	Cushioned floor mat with operator presence switch	●
	Dual side entry operator platform with flip-up gates	●
	Clear View mast guard for 162 in. and 192 in. lift heights	●
	Key switch start	●
	12V DC power outlet	●
	Operator harness with tether and anchor point	○
Lights and Alarms	Front flashing beacon	●
	Front blue spot light	○
	Audible backup alarm	○
	Audible travel alarm	○
Warranty	Rated lifespan: 8 years / 4,000 hours, whichever occurs 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	●

[1] 340Ah battery only available on J1 with 192 in. elevated height.















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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