J2

MID LEVEL ORDER PICKER

Task Support Vehicle



BIG JOE

SPECIFICATIONS



SIMPLICITY AND ERGONOMIC DESIGN DELIVER PRODUCTIVITY

The J2 Joey Mid Level Order Picker is a true order picking solution that utilizes the same intuitive controls of the J1 Joey. Pallet forks are affixed to the operator platform, which includes a pallet clamp for centering and gripping the pallet. This model also includes an overhead guard with operator harness tether and anchor point as standard equipment. Utilizing many of the same proven components as the J1 Joey, the J2 Joey is a dependable order picker with controls that are easy to learn.

FEATURES

Intuitive Controls

For forks-leading travel, J2 features controls integrated into flip-down arm rests 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 and mini mast are controlled with push buttons. A horn button is also conveniently located at the operator's right hand. For long runs with the forks trailing, an additional handle with thumb-controlled throttle allows the operator to maintain a comfortable stance. A standard pallet clamp, controlled using an operator foot lever, helps keep pallets on the forks.





Smart Features for Confident Operations

The J2 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 gas spring assists make raising and lowering the side armrests easy for the operator.

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

FEATURES

Efficient and Useful Electrical System

J2 is powered by 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.

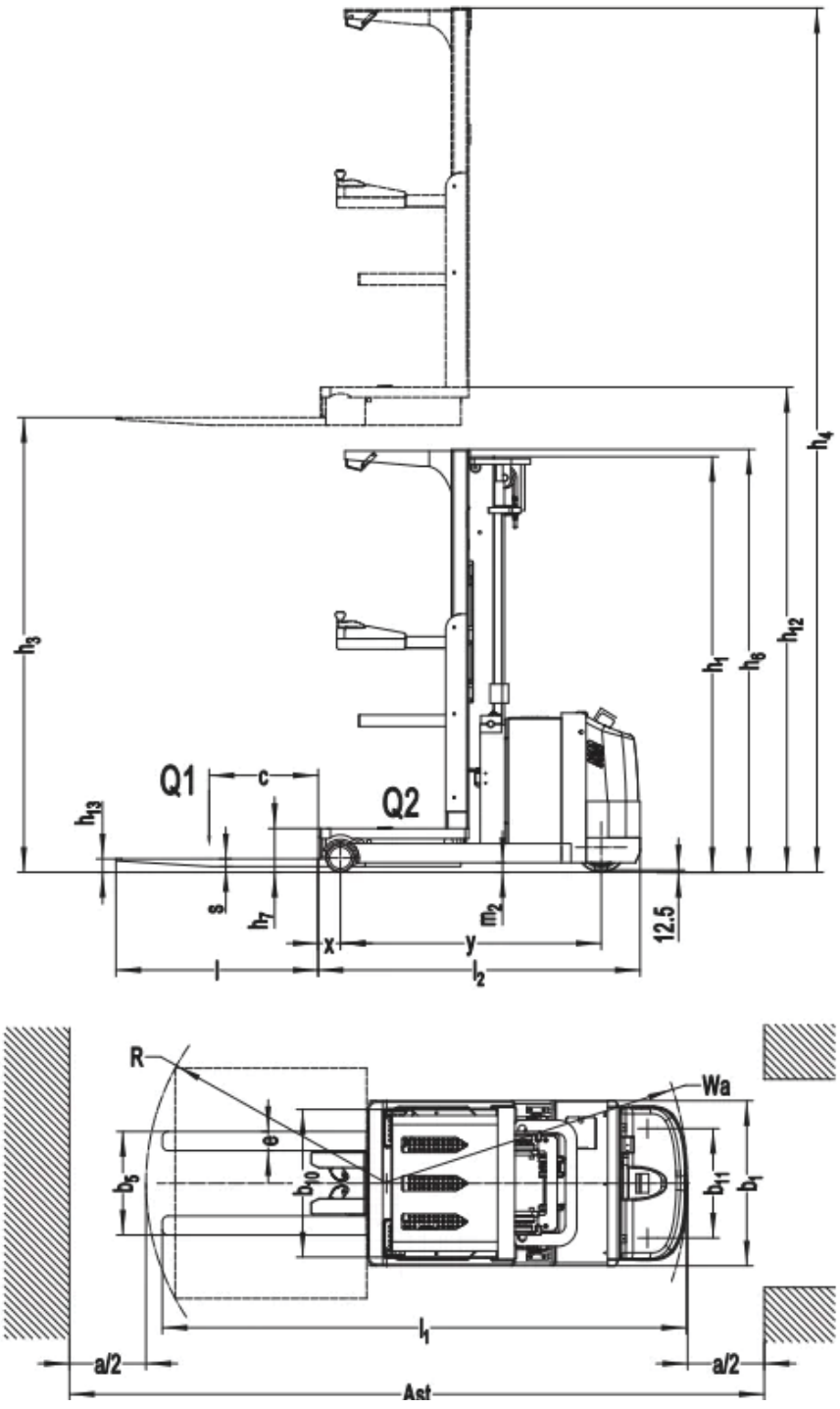




Ample Power Source

J2 can be fitted with Big Joe's own Lithium-ion battery for maximum uptime, consistent performance and lower operating costs. An industrial flooded lead acid battery can also be used in J2.

DIAGRAMS


h4
h3
h1
h6
h12
Q1
c
Q2
h13
s
h7
m2
12.5
x
y
l
l2
R
Wa
θ
b5
b10
b11
b1
l1
a/2
a/2
Ast

SPECIFICATIONS

Distinguishing mark	1.1	Manufacturer			Big Joe	
	1.2	Model designation			J2-144	J2-192
	1.3	Drive			Electric	
	1.4	Operator type			Order Picker	
	1.5	Load capacity[1]	Q	lb.	2000	2200
	1.6	Load center distance	c	lb.	24	
	1.8	Load distance, center of drive axle to fork face	x	in.	5.5	4.5
	1.9	Wheelbase	y	in.	53.7	
Service weight	2.1	Service weight		lb.	4360	5670
	2.2	Axle loading, laden (front / rear)		lb.	4930 / 1775	5350 / 2650
	2.3	Axle loading, unladen (front / rear)		lb.	1735 / 2625	2070 / 3600
Tires/chassis	3.1	Tire type, front / rear			Polyurethane	
	3.2	Tire size, front		in.	10 x 4	10.25 x 5
	3.3	Tire size, rear		in.	6.5 x 4.7	3 x 2
	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.	27.9	30.3
	3.7	Tread width, rear	b11	in.	22.4	
Dimensions	4.2	Height, mast lowered	h1	in.	94.0	95.5
	4.4	Lift height	h3	in.	144	192
	4.5	Height, mast extended	h4	in.	235	295
	4.8	Standing height	h7	in.	8.8	9.5
	4.14	Standing height, elevated	h12	in.	150	198
	4.19	Overall length	l1	in.	108.3	
	4.20	Length to face of forks	l2	in.	66.1	
	4.21	Overall width	b1/b2	in.	34.0	36.0
	4.32	Ground clearance, center of wheelbase	m2	in.	2	
	4.34.1	Right angle stack width[2]	Ast	in.	116.5	117.5
	4.35	Turning radius	Wa	in.	63.0	65.0
Performance Data	5.1	Travel speed, laden/unladen		mph	4.5 / 4.5	
	5.2	Lifting speed, laden/unladen		fpm	25.6 / 31.5	
	5.3	Lowering speed, laden/unladen		fpm	31.5 / 35.4	
	5.10	Service brake			Regenerative	
Electric	6.1	Drive motor rating S2 60min		kW	3.4	4
	6.2	Lift motor rating at S3 15%		kW	4	3
	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] Capacity includes load, pallet or container and operator.
[2] Aisle width includes 48 in. long pallet with no clearance.

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	●
Battery and Charging	29.1 x 11 x 30 battery compartment size	●
	410Ah Lithium-ion battery	○
	External 120V/240V Lithium battery charger 50A/100A output	○
	Industrial flooded lead acid battery, 24V / 340Ah	○
	External 120V, 40A output industrial lead acid battery charger	○
Wheels & Tires	Polyurethane drive and load tires	●
	Polyurethane casters	●
	Stability tabs	●
	Rail guidance	○

Operator	Left-hand steering control	●
	Right-hand throttle, lift/lower and horn controls	●
	Forks-trailing throttle control with operator hand presence switch	●
	Cushioned floor mat with operator presence switch	●
	Dual side entry operator platform with flip-up gates	●
	Clear View mast guard	●
	Key switch start	●
	Operator harness with tether and anchor point	●
	12V DC power outlet[1]	●
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] 12V power outlet standard on J2 Mid Level Order Picker with 192 in. lift 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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