

JX1-41

MEDIUM LEVEL LI-ION ORDER PICKER

 136/227/137 kg  4930 mm  Li-Ion



The JX1 series is ideal for retail distribution centers, e-commerce warehouses, and logistics hubs that require fast and safe picking at medium levels. Thanks to its compact chassis, strong and steady design, and maintenance-free li-ion battery, it operates reliably in narrow aisles. The battery side pull function provide extended runtime for multi-shift operations.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			JX1-41
Battery voltage/nominal capacity		V/Ah	24V205Ah (Li)
Rated capacity	Q	kg	136/227/137
Load centre distance	c	mm	-
Service weight		kg	1405
Height, mast lowered	h_1	mm	2080
Lift	h_3	mm	4930
Height, mast extended	h_4	mm	5970
Overall length	l_1	mm	1500
Overall width	b_1/b_2	mm	800
Length to face of forks	l_2	mm	-
Fork dimensions	s/e/l	mm	-
Turning radius	Wa	mm	1385
Drive			Electric
Operator type			Order-picker

Features

High picking reach

Available with 3 different platform heights to pick goods up to 6.7 meters JX1 series ensures efficient access to medium-level racking for fast and precise order fulfillment.

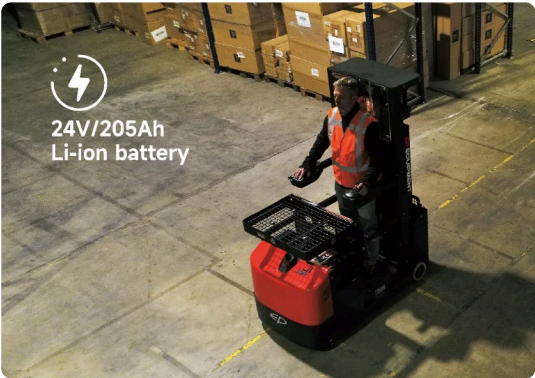


Compact and agile design

With compact chassis and turning radius, the JX1 series is perfectly suited for narrow aisle operations, providing excellent maneuverability in tight spaces.

Efficient and reliable battery system

Equipped with a 24V/205Ah maintenance-free Li-ion battery, it delivers extended runtime, while the side-pull battery design enables quick battery replacement for multi-shift operations.



Safe and ergonomic operation

Electronic steering, electromagnetic brakes, and excellent visibility ensure operator confidence, while ergonomic controls enhance comfort during long shifts.

VDI Chart

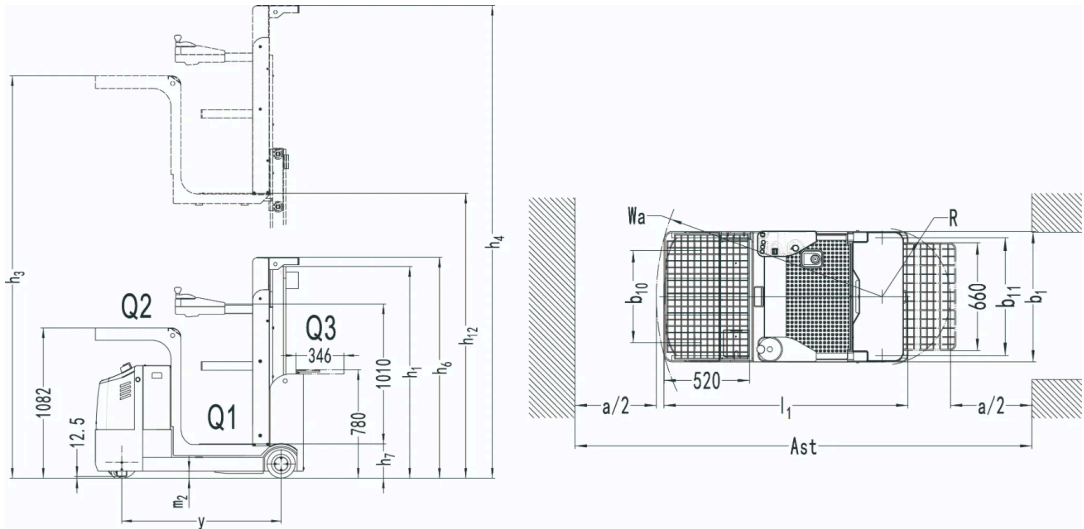
	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			JX1-41

SPECIFICATION		REF	UNIT	VALUE
1.3	Drive			Electric
1.4	Operator type			Order-picker
1.5	Rated capacity	Q	kg	136/227/137
1.6	Load centre distance	c	mm	-
1.8	Load distance, centre of drive axle to fork	x	mm	-
1.9	Wheelbase	y	mm	1150
2.1	Service weight		kg	1405
2.2	Axle loading, laden front/rear		kg	766/1139
2.3	Axle loading, unladen front/rear		kg	545/860
3.1	Tyres			Polyurethane/Solidrubber
3.2	Tyre size, front		mm	φ230*75
3.3	Tyre size, rear		mm	φ204*76
3.4	Additional wheels (castor wheels)		mm	φ74*48
3.5	Wheels, number front/rear (x=drive wheels)			1x , 2/2
3.6	Tread width, front	b ₁₀	mm	555
3.7	Tread width, rear	b ₁₁	mm	740
4.2	Height, mast lowered	h ₁	mm	2080
4.3	Free lift	h ₂	mm	-
4.4	Lift	h ₃	mm	4930
4.5	Height, mast extended	h ₄	mm	5970
4.7	Height of overhead guard (cabin)	h ₆	mm	2120
4.8	Seat height relating to SIP/stand height	h ₇	mm	250
4.14	Stand height, elevated	h ₁₂	mm	4100
4.15	Height, lowered	h ₁₃	mm	-
4.19	Overall length	l ₁	mm	1500
4.20	Length to face of forks	l ₂	mm	-
4.21	Overall width	b ₁ /b ₂	mm	800
4.22	Fork dimensions	s/e/l	mm	-
4.25	Distance between fork-arms	b ₅	mm	-
4.32	Ground clearance, centre of wheelbase	m ₂	mm	50
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	-
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	-
4.35	Turning radius	Wa	mm	1385
5.1	Travel speed, laden/unladen		km/h	5.5/5.5

	SPECIFICATION	REF	UNIT	VALUE
5.2	Lift speed, laden/unladen		m/s	0.17/0.21
5.3	Lowering speed, laden/unladen		m/s	0.35/0.26
5.8	Max. gradeability, laden/unladen		%	0
5.10	Service brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	1.6
6.2	Lift motor rating at S3 15%		kW	2.2
6.4	Battery voltage/nominal capacity		V/Ah	24V205Ah (Li)
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	189
6.6	Energy consumption according to DIN EN 16796		kWh/h	- ¹⁾
6.7	Turnover output according to VDI 2198			-
6.8	Turnover efficiency according to VDI 2198			-
8.1	Type of drive unit			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the driver's seat		dB(A)	74
15.1	Charger output current		A	30

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.

VDI Drawing



Options

ITEM	OPTIONS (optional items marked in yellow)
Load wheel type	Single
Load wheel material	Rubber
Drive wheel material	PU
Battery capacity	24V205AH
Charger	24V-30A integrated 24V-50A 24V-100A
Battery indicator	With hourmeter
Safe hook	No Yes and not customized
Traction pin	No Yes and not customized
Electrostatic chain	Yes and not customized
Castor wheels	Yes and not customized
Water auto-filling system	No
Warning lamp	LED(Front and rear warning lamp)
Blue lamp	No Front blue lamp+rear warning lamp Rear blue lamp+front warning lamp
Buzzer	Lowering buzzer, door alarm buzzer, tilt alarm buzzer Travel buzzer Reverse buzzer
Guide wheel	No Yes and not customized
Battery side pull function	Yes and not customized
Battery side pull attachment	No
Turn speed control	Yes and not customized
Lifting electronic limit	Yes and not customized
Cigarette lighter socket	Yes and not customized