

JX1

MEDIUM LEVEL ORDER PICKER 0.5T 3200

 136/227/137 kg  4030|4930|5710 mm  24 V Lead Acid



The JX1 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 AGM battery, it operates reliably in narrow aisles. Optional large lead-acid batteries and simple battery exchange systems provide extended runtime for multi-shift operations.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			JX1
Battery voltage		V	24
Battery voltage/nominal capacity		V/Ah	24/224
Rated capacity	Q	kg	136/227/137
Service weight		kg	1242 1340 1646
Height, mast lowered	h ₁	mm	1510 2080 2090
Lift	h ₃	mm	4030 4930 5710
Height, mast extended	h ₄	mm	4540 5970 6750
Overall length	l ₁	mm	1500 1500 1610
Overall width	b ₁ /b ₂	mm	823 800 876
Turning radius	Wa	mm	1385 1385 1450
Drive			Electric
Operator type			Order-picker
Wheelbase	y	mm	1150 1150 1256
Axle loading, laden front/rear		kg	644/1096 740/1100 837/1309

Features

High picking reach

With a maximum platform height of 4.8 m and picking height of 6.3 m, the JX1 ensures efficient access to medium-level racking for fast and precise order fulfillment.

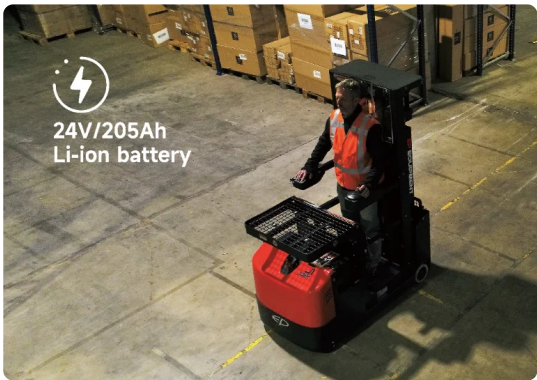


Compact and agile design

At only 800 mm wide with a turning radius of 1385 mm, it is perfectly suited for narrow aisle operations, providing excellent maneuverability in tight spaces.

Efficient and reliable battery system

Equipped with a 24V/224Ah maintenance-free Lead-acid battery as standard, the JX1 also supports optional Li-ion batteries and simple exchange systems for continuous operations.



Safe and ergonomic operation

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

VDI Chart

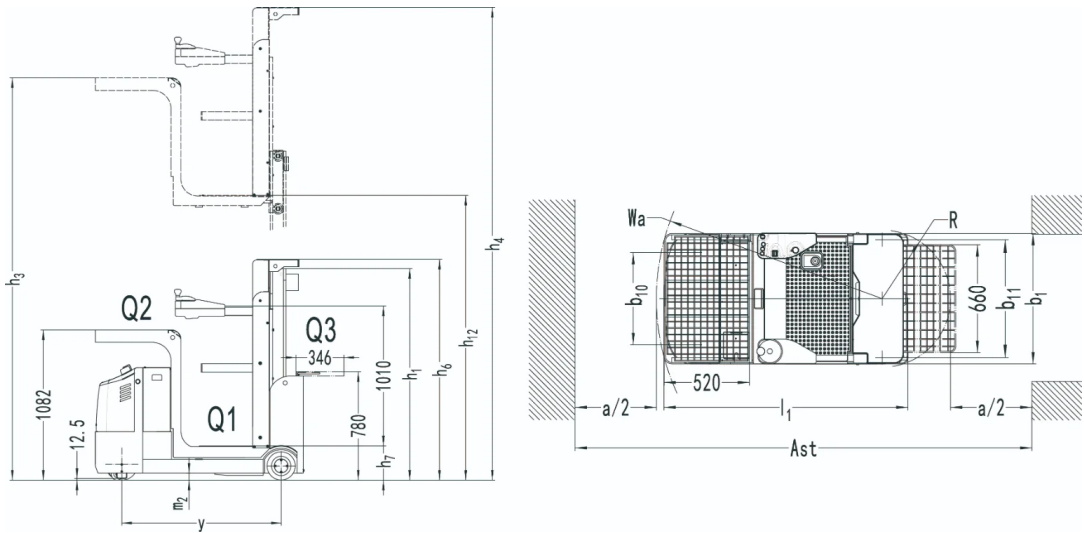
SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			JX1

SPECIFICATION		REF	UNIT	VALUE
1.3	Drive			Electric
1.4	Operator type			Order-picker
1.5	Rated capacity	Q	kg	136/227/137
1.9	Wheelbase	y	mm	1150 1150 1256
2.1	Service weight		kg	1242 1340 1646
2.2	Axle loading, laden front/rear		kg	644/1096 740/1100 837/1309
2.3	Axle loading, unladen front/rear		kg	475/767 520/820 670/1036
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	555 555 615
3.7	Tread width, rear	b ₁₁	mm	740 740 784
4.2	Height, mast lowered	h ₁	mm	1510 2080 2090
4.4	Lift	h ₃	mm	4030 4930 5710
4.5	Height, mast extended	h ₄	mm	4540 5970 6750
4.7	Height of overhead guard (cabin)	h ₆	mm	1590 2120 2120
4.8	Seat height relating to SIP/stand height	h ₇	mm	250
4.14	Stand height, elevated	h ₁₂	mm	3200 4100 4880
4.19	Overall length	l ₁	mm	1500 1500 1610
4.21	Overall width	b ₁ /b ₂	mm	823 800 876
4.32	Ground clearance, centre of wheelbase	m ₂	mm	50
4.35	Turning radius	Wa	mm	1385 1385 1450
5.1	Travel speed, laden/unladen		km/h	5.5/5.5
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	24/224
6.4.1	Battery voltage		V	24
6.4.2	Battery nominal capacity K5		Ah	224

	SPECIFICATION	REF	UNIT	VALUE
6.4.3	Battery type			Lead Acid
6.5	Battery weight		kg	163
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	25

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

ITEM	OPTIONS (optional items marked in yellow)
Electrostatic chain	Yes and not customized
Lead-acid battery capacity	24V224AH 24V210AH 24V275AH 24V360AH 24V280AH
Lead-acid charger	24V-25A integrated charger 24V-40A 24V-50A
Castor wheels	Yes and not customized
Water auto-filling system	No
Warning lamp	Front and rear warning light Front blue light + rear warning light Rear blue light + front warning light
Buzzer	Drop buzzer, door alarm buzzer, dip buzzer Running buzzer Reversing buzzer
Guide wheel	No Yes and not customized
USB interface	Yes and not customized
Battery side pull function	Yes and not customized
Overhead guard	No
Battery side pull attachment	No Yes and not customized