EP EQUIPMENT PRO

WAL16-PRO

ELECTRIC PALLET TRUCK 1.6T

1600 kg | 125 mm | Li-Ion





The WAL PRO series is purpose-built to maximize space utilization in modern logistics and warehousing environments.

It excels in narrow-aisle facilities, lorry loading/unloading, production plants, and retail distribution centers.

From high-intensity distribution hubs to tight HGV operations, the WAL PRO series provides powerful, reliable performance tailored to today's compact logistics setups.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			WAL16-PRO
Battery voltage/nominal capacity		V/Ah	24/100
Rated capacity	Q	kg	1600
Load centre distance	c	mm	600
Service weight		kg	350
Lift	h_3	mm	125
Overall length	l_1	mm	1585
Overall width	b_1/b_2	mm	720
Length to face of forks	l_2	mm	435
Fork dimensions	s/e/l	mm	55/170/1150
Turning radius	Wa	mm	1283
Drive			Electric
Operator type			Pedestrian
Load distance, centre of drive axle to fork	x	mm	980
Wheelbase	y	mm	1257

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Features

Ultra-Compact Chassis and Tight Turning Radius

The WAL PRO series redefines agility with its category-leading extra short chassis length and super compact turning radius, enabling effortless operation in the tightest working environments such as trailers or narrow aisles.

Its compact design not only enhances productivity but also streamlines logistics: two units can be packed into one shipping box, optimizing transportation, storage, and handling efficiency throughout the distribution chain.



Synchronized Castor System for High Stability and Traction with Premium Components for Quiet Operations



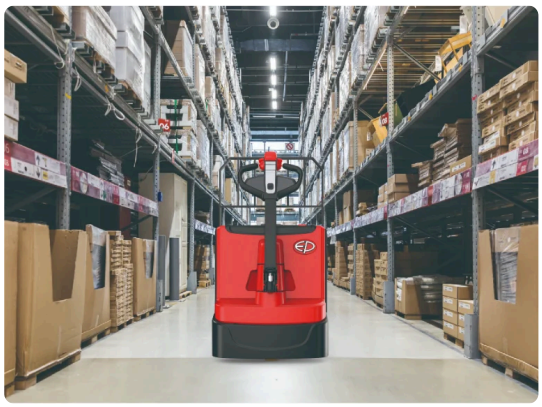
The WAL PRO series adopts an innovative synchronized castor system that maintains reliable traction and stability even on uneven floors or under heavy loads.

This system ensures smooth, stable, and quiet operation, also thanks to the use of premium components, with noise levels limited to a maximum of 65 dB, enhancing both comfort and safety during operation.

High Performance for Productivity Boost

Driven by a 2.2 kW pump motor and 1.6 kW AC vertical drive motor, the WAL PRO series delivers consistent power for fast travelling, lifting and lowering speeds, as well as high gradeability.

This makes it an efficient and reliable partner for intensive handling tasks across demanding warehouse and logistics applications.



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Lithium Technology and Integrated Charger

At the heart of the WAL PRO series lies EP's advanced Li-ion technology, offering opportunity charging, zero maintenance, no emissions, and extended service life.

Each truck is equipped with a standard 100Ah Li-ion battery and 30A integrated charger, while a 205Ah battery option is available for long-shift or multi-shift operations.

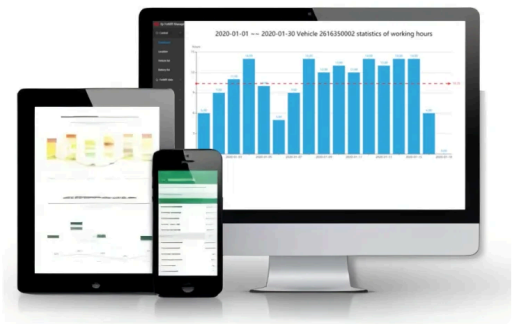
Safety is further enhanced by the automatic power cutoff during charging cable disconnection.

User-Centered Features for Daily Convenience

Smart multi-function color display:
Informative display: shows speed, battery level, switch status, date, and time.
Parameter adjustment: allows personalized settings.
Bluetooth connectivity: pairs with the EP Bluetooth App for easy maintenance.
ESP driving mode selector: to match the needs of every operator.
PIN code switch or optional card reader operator ID

Optimized onboard storage for operator convenience
Tiller rebound buffer for enhanced comfort during use
Optional retrofittable backrest for secure and stable goods transport





EP Telematics – Always Connected

EP Telematics provides real-time access to key truck data, including GPS location, working hours, battery status, charging behavior and error codes and fault records.
Remote diagnostics and battery monitoring help reduce downtime, simplify service and maximize truck uptime, while providing valuable data for smarter fleet management.

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			WAL16-PRO
1.3	Drive			Electric

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	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	1600
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	980
1.9	Wheelbase	y	mm	1257
2.1	Service weight		kg	350
2.2	Axle loading, laden front/rear		kg	930/1420
2.3	Axle loading, unladen front/rear		kg	280/70
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	230*75
3.3	Tyre size, rear		mm	80*85
3.4	Additional wheels (castor wheels)		mm	74*30
3.5	Wheels, number front/rear (x=drive wheels)			1/2/4
3.6.1	Tread width_front	b10	mm	500
4.4	Lift	h_3	mm	125
4.9	Height drawbar in driving position min./max.	h_{14}	mm	900/1230
4.15	Height, lowered	h_{13}	mm	85
4.19	Overall length	l_1	mm	1585
4.20	Length to face of forks	l_2	mm	435
4.21	Overall width	b_1/b_2	mm	720
4.22	Fork dimensions	s/e/l	mm	55/170/1150
4.25	Distance between fork-arms	b_5	mm	540/685
4.32	Ground clearance, centre of wheelbase	m_2	mm	27
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2083
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	1883
4.35	Turning radius	Wa	mm	1283
5.1	Travel speed, laden/unladen		km/h	6/6
5.2	Lift speed, laden/unladen		m/s	0.065/0.078
5.3	Lowering speed, laden/unladen		m/s	0.04/0.04
5.8	Max. gradeability, laden/unladen		%	10/20
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	24/100

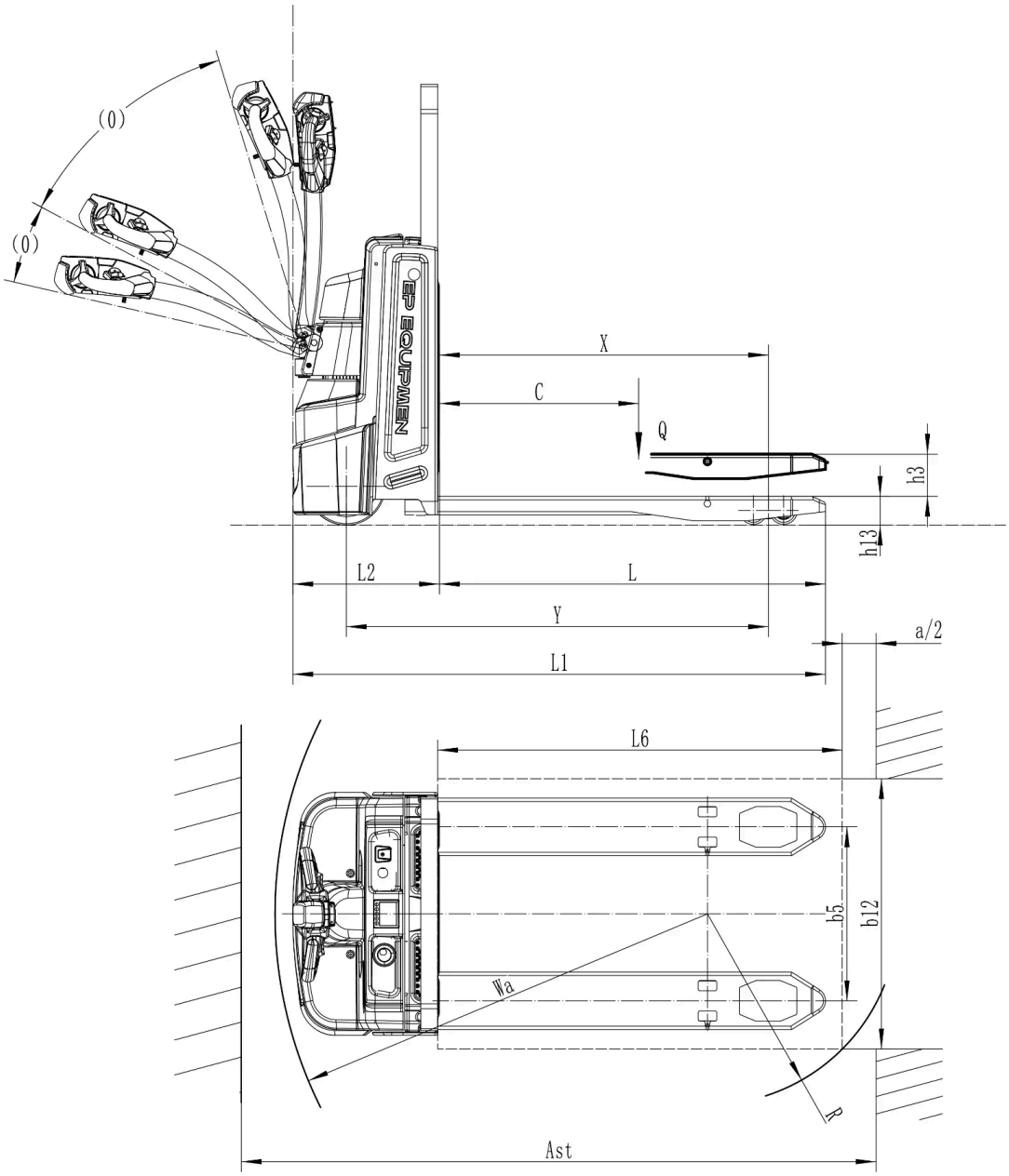
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	SPECIFICATION	REF	UNIT	VALUE
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	44
6.6	Energy consumption according to DIN EN 16796		kWh/h	0.256 [1)]
6.7	Turnover output according to VDI 2198		t/h	85.16
6.8	Turnover efficiency according to VDI 2198		t/kWh	171.35
8.1	Type of drive unit			AC
10.5	Steering design			Mechanical
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.

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VDI Drawing



Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	540*1150 | 685*1150
Fork lowered height	85
Load wheel type	double | single
Load wheel material	PU
Drive wheel material	PU | Treaded PU
Battery capacity	24V100AH | 24V205AH

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ITEM	OPTIONS (optional items marked in yellow)
Charger	24V-30A Integrated | 24V-100A External
Battery indicator	With hourmeter (Bluetooth) with ESP
Handle head type	two-hand control handle
Castor wheels	Yes and not customized
Vertical handler working	Yes and not customized
Telematics	Yes and not customized
Lifting electronic limit	Yes and not customized
Drive cover off the ground	35mm | 50(Only for non-CE region)
Load backrest height	No | 1220mm(48in) | 1520mm(60in)
Automatic Parking Brake	Yes and not customized

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