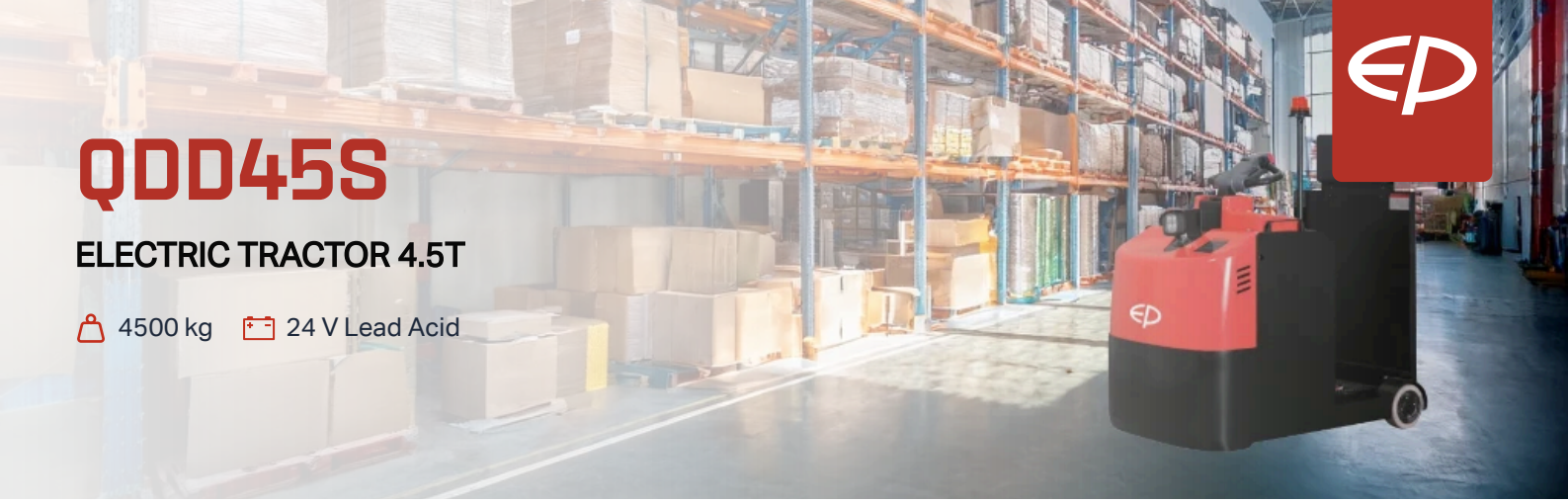

QDD45S

ELECTRIC TRACTOR 4.5T

4500 kg 24 V Lead Acid

The QDD30S/45S is ideal for logistics operations, manufacturing plants, airports, and distribution platforms where frequent, long-distance towing is required. The stand-on configuration enhances comfort and efficiency during continuous use, while the AC traction motor ensures smooth, maintenance-free operation. With a 975 mm wheelbase and compact 1168 mm turning radius, the QDD30S/45S easily maneuvers through narrow spaces. Its electromagnetic braking system, vertical gearbox, and sturdy load wheels guarantee reliable and stable performance even under heavy-duty towing conditions.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			QDD45S
Battery voltage		V	24
Rated capacity	Q	kg	4500
Service weight		kg	850
Overall length	l_1	mm	1282
Overall width	b_1/b_2	mm	800
Turning radius	Wa	mm	1168
Drive			Electric
Operator type			Standing
Wheelbase	y	mm	975
Axle loading, unladen front/rear		kg	530/320
Tyres			PU
Tyre size, front		mm	Φ230x90
Tyre size, rear		mm	2x Φ204x76
Wheels, number front/rear (x=drive wheels)			1x+ 2/2

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Features

Powerful AC drive system

The maintenance-free AC motor provides strong traction power, fast acceleration, and precise control. The high-strength vertical gearbox ensures reliable torque delivery and extended service life.

Ergonomic and safe operation

Equipped with an ergonomic tiller head, side battery compartment, EPS steering, and anti-rollback system, the tractor ensures safe, comfortable, and user-friendly operation during long shifts.

High towing capacity and stability

The QDD30S tows up to 3.0 tons, while the QDD45S handles up to 4.5 tons. Its sturdy chassis and reinforced load wheels ensure stable performance and minimal vibration during towing.

Low maintenance and high efficiency

The fully AC-driven system eliminates the need for brush replacement and reduces downtime. The battery can be easily accessed from the side for quick exchange, ensuring consistent productivity in multi-shift operations.

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			QDD45S
1.3	Drive			Electric
1.4	Operator type			Standing
1.5	Rated capacity	Q	kg	4500
1.9	Wheelbase	y	mm	975
2.1	Service weight		kg	850
2.3	Axle loading, unladen front/rear		kg	530/320
3.1	Tyres			PU
3.2	Tyre size, front		mm	Φ230x90
3.3	Tyre size, rear		mm	2x Φ204x76
3.5	Wheels, number front/rear (x=drive wheels)			1x+ 2/2
3.7	Tread width, rear	b_{11}	mm	708

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	SPECIFICATION	REF	UNIT	VALUE
4.8	Seat height relating to SIP/stand height	h7	mm	166
4.9	Height drawbar in driving position min./max.	h_{14}	mm	1220
4.12	Coupling height	h10	mm	188 / 233 / 277 / 322
4.19	Overall length	l_1	mm	1282
4.21	Overall width	b_1/b_2	mm	800
4.32	Ground clearance, centre of wheelbase	m_2	mm	66
4.35	Turning radius	Wa	mm	1168
5.1	Travel speed, laden/unladen		km/h	5/7
5.5	Drawbar pull, laden/unladen			600
5.6	Max. drawbar pull, laden/unladen		N	2600
5.8	Max. gradeability, laden/unladen		%	3/15
5.10	Service brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	2.5
6.4.1	Battery voltage		V	24
6.4.2	Battery nominal capacity K5		Ah	360
6.4.3	Battery type			Lead Acid
6.5	Battery weight		kg	330
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

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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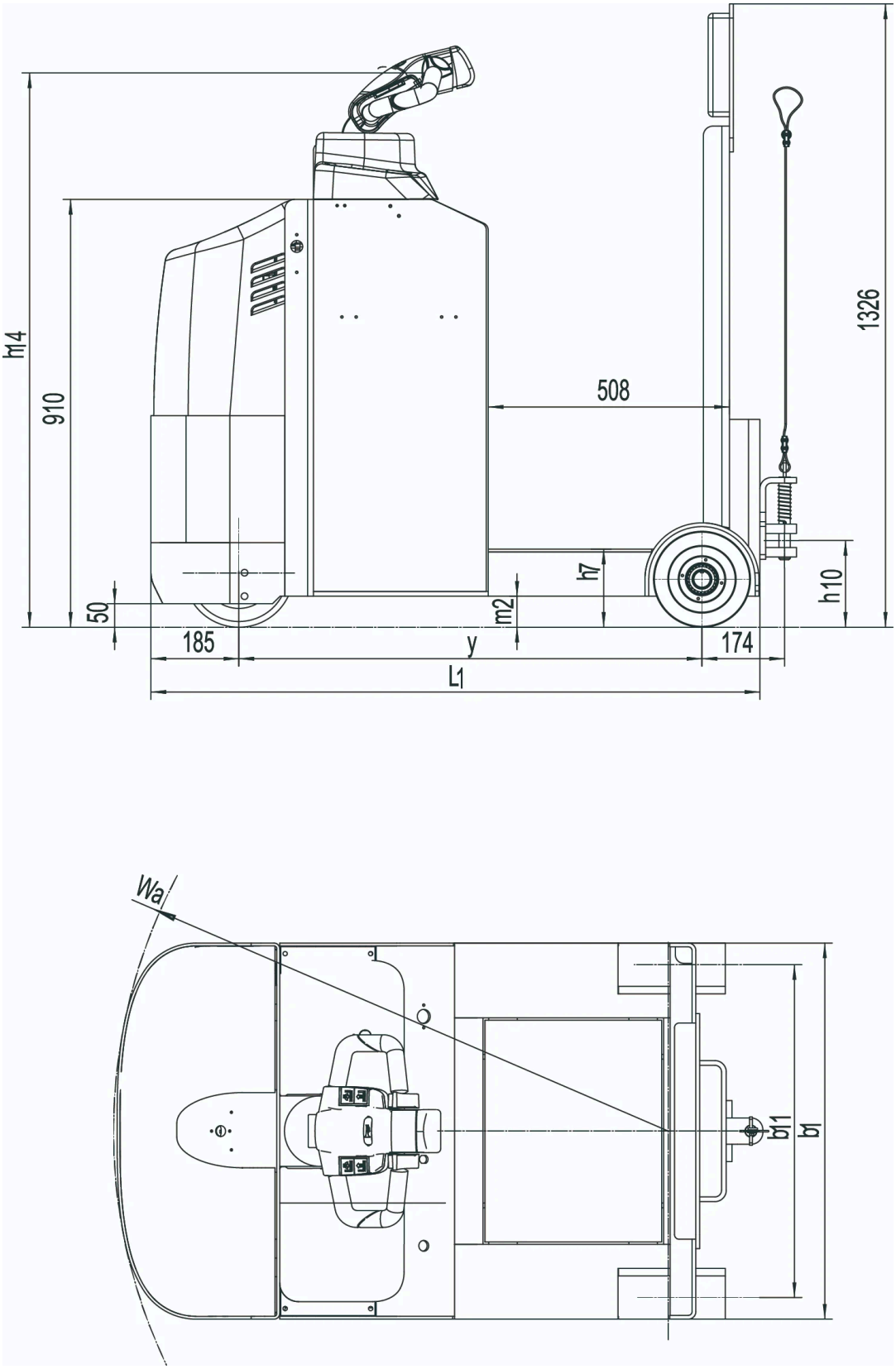
VDI Drawing



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Options

ITEM	OPTIONS (optional items marked in yellow)
Drive wheel material	Rubber wheel
Battery capacity	280AH | 210AH/360AH

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