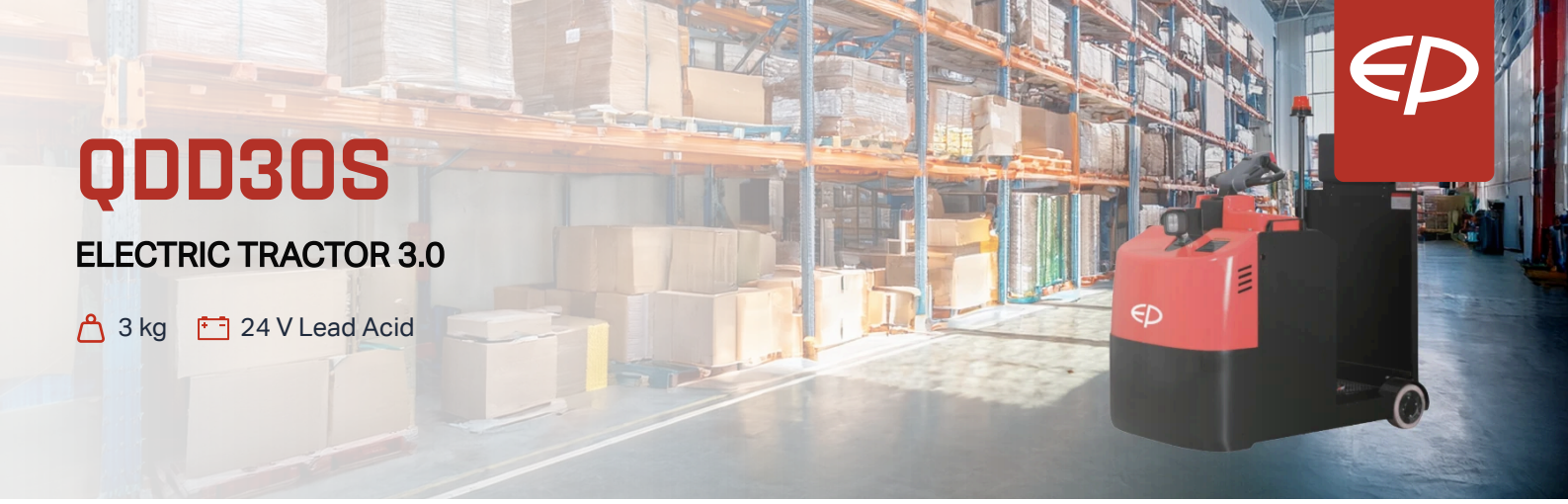


QDD30S

ELECTRIC TRACTOR 3.0

3 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
Battery type			Lead Acid
Battery nominal capacity		Ah	210
Battery voltage		V	24
Load capacity	Q	kg	3
Service weight		kg	760
Overall length		mm	1282
Overall width	b_1/b_2	mm	800
Turning radius		Wa	1168
Operator type			Standing
Wheelbase		mm	975
Axle loading, unladen front/rear		kg	480/280
Tyre type			PU
Tyre size, front		mm	Φ230x90
Tyre size, rear		mm	2x Φ204x76
Wheels, number front/rear (x=drive wheels)			1x+ 2/2
Tread width, rear	b_{11}	mm	708

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

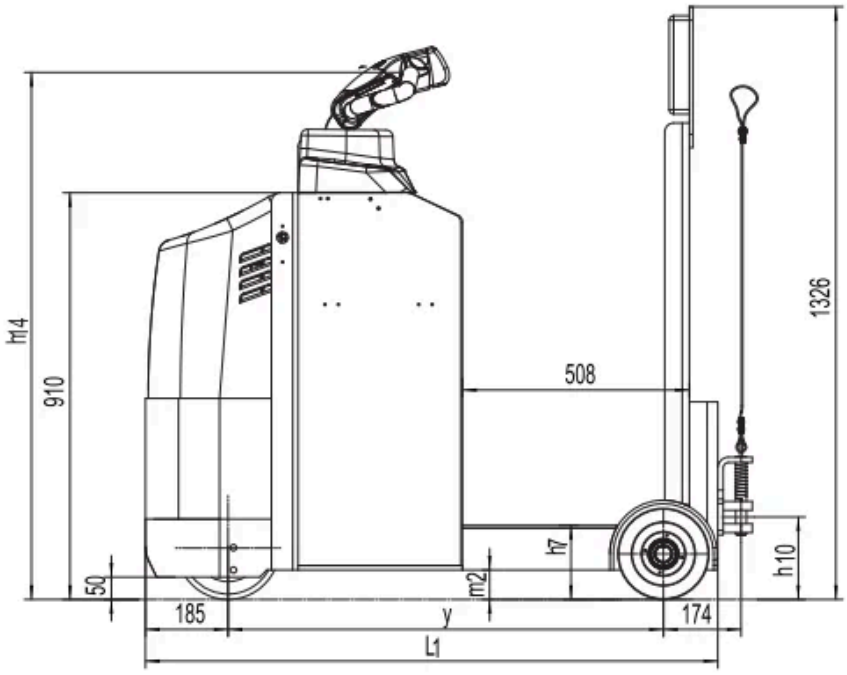
The fully AC-driven system eliminates the need for brush replacement and reduces downtime. The battery can be easily accessed from the side for quick exchange, ensuring consistent productivity in multi-shift operations.

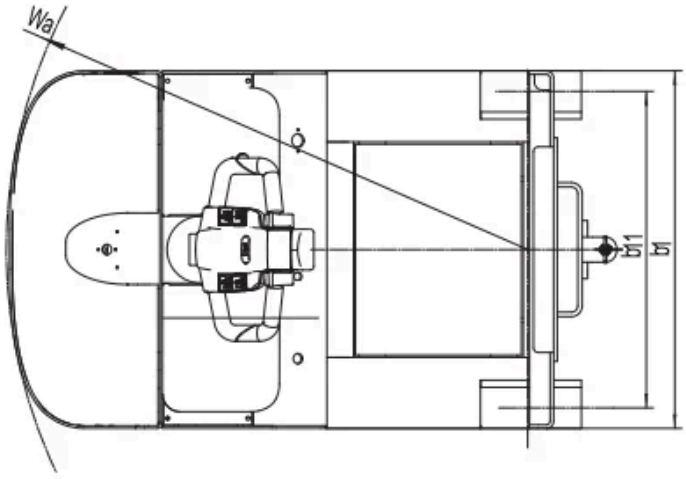
VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Standing
1.5	Load capacity	Q	kg	3
1.9	Wheelbase		mm	975
2.1	Service weight		kg	760
2.3	Axle loading, unladen front/rear		kg	480/280
3.1	Tyre type			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
3.7.1	Tread width, rear	b_{11}	mm	708

	SPECIFICATION	REF	UNIT	VALUE
4.12	Tow coupling height		mm	188 / 233 / 277 / 322
4.19	Overall length		mm	1282
4.21	Overall width	b_1/b_2	mm	800
4.32	Ground clearance, centre of wheelbase		mm	66
4.35	Turning radius		Wa	1168
4.8	Seat height/standing height		mm	166
4.9	Height of tiller handle in drive position min./max.			1220
5.1	Travel speed, laden/unladen		km/h	5/7
5.10	Service brake			Electromagnetic
5.5	Drawbar pull, laden/unladen			600
5.6	Max. drawbar pull, laden/unladen			2000
5.8	Max. gradeability, laden/unladen		%	3/15
6.1	Drive motor rating S2 60 min		kW	2.5
6.4	Battery nominal capacity		Ah	210
6.4	Battery voltage		V	24
6.4.1	Battery type			Lead Acid
6.5	Battery weight		kg	260
8.1	Type of drive control			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the drivers ear		dB(A)	74

VDI Drawing





Options

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