

QDD301T

ELECTRIC TRACTOR 3.0T

 3000 kg  48 V Lead Acid/Li-ion



The QDD301T/601T series is ideal for factories, logistics centers, and production lines that require frequent towing of heavy loads. Thanks to its solid rubber tires and strong drawbar pull (up to 4500 N), it performs reliably on both smooth and uneven surfaces. The adjustable steering wheel and wide legroom enhance operator comfort during long shifts, while optional cabin configurations make it adaptable to all-weather operations. This model is especially suited for towing carts, parts, and pallets over medium to long distances in demanding industrial environments.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			QDD301T
Battery voltage		V	48
Rated capacity	Q	kg	3000
Service weight		kg	1100
Overall length	l_1	mm	1945
Overall width	b_1/b_2	mm	1010/990
Turning radius	W_a	mm	1780
Drive			Electric
Operator type			Seated
Wheelbase	y	mm	1105
Axle loading, unladen front/rear		kg	500/600
Tyres			Solid rubber
Tyre size, front		mm	4.00-8
Tyre size, rear		mm	4.00-8
Wheels, number front/rear (x=drive wheels)			1/2x

Features

Powerful and reliable AC drive system

Equipped with a high-efficiency AC motor (4–6 kW), the QDD301T/601T delivers strong traction and fast acceleration with minimal maintenance. The system ensures smooth, consistent performance even under maximum load.



Operator-centered ergonomic design

With wide legroom, lower pedal height, and an adjustable steering column, the driver experiences excellent comfort and control. A semi- or fully-enclosed cabin option provides enhanced safety and comfort in all weather conditions.

Stable and durable structure

A low center of gravity and solid rubber tires ensure excellent stability and grip on both smooth floors and uneven ground. The truck's heavy-duty frame and vertical gearbox deliver superior reliability in demanding operations.



Easy maintenance and customization

The side-removal battery design and one-piece hood simplify daily checks and service. Optional Li-ion batteries, LED lighting, telematics, and safety accessories allow customization for diverse industry needs.

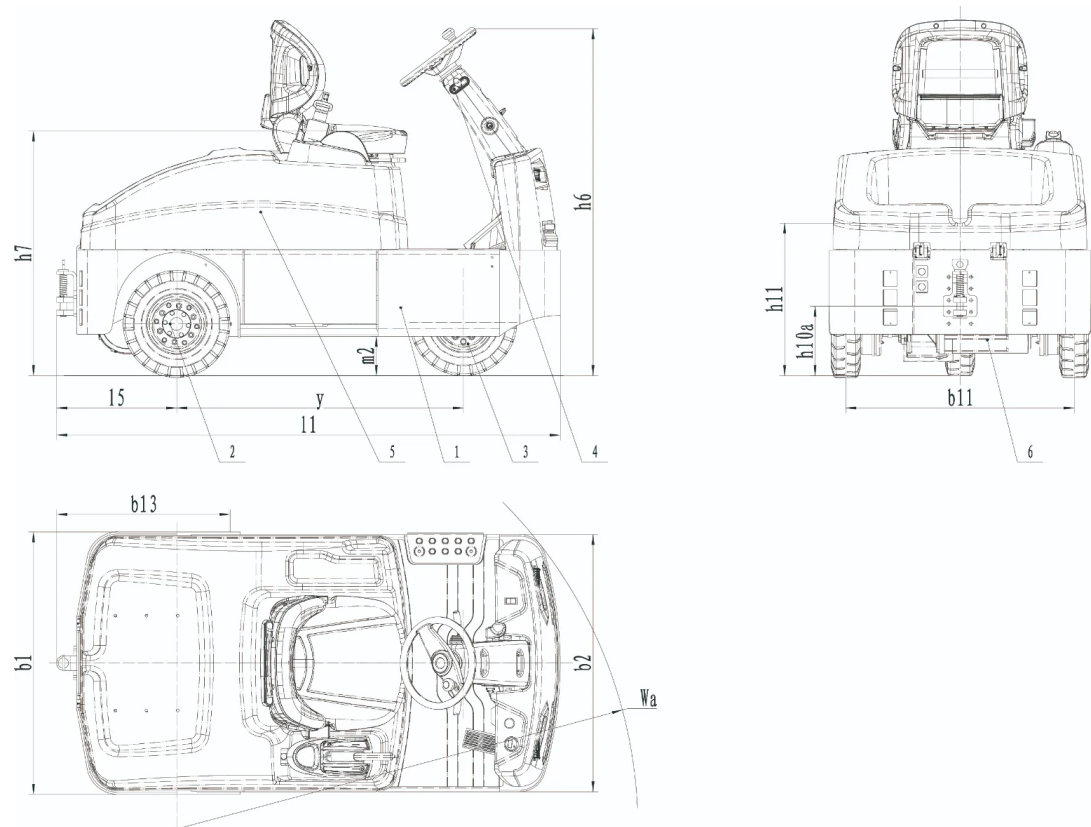
VDI Chart

SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			QDD301T
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	3000
1.9	Wheelbase	y	mm	1105
2.1	Service weight		kg	1100
2.3	Axle loading, unladen front/rear		kg	500/600
3.1	Tyres			Solid rubber
3.2	Tyre size, front		mm	4.00-8
3.3	Tyre size, rear		mm	4.00-8
3.5	Wheels, number front/rear (x=drive wheels)			1/2x
3.7	Tread width, rear	b ₁₁	mm	880
4.2.1	Overall height		mm	1335
4.8	Seat height relating to SIP/stand height	h7	mm	947
4.12	Coupling height	h10	mm	267 (222/312/357)
4.13	Loading height, unladen			587
4.16	Length of loading surface			350
4.17	Overhang			462
4.18	Width of loading surface			590
4.19	Overall length	l ₁	mm	1945
4.21	Overall width	b ₁ /b ₂	mm	1010/990
4.32	Ground clearance, centre of wheelbase	m ₂	mm	150
4.35	Turning radius	Wa	mm	1780
4.36	Internal turning radius			1170
5.1	Travel speed, laden/unladen		km/h	7/15
5.5	Drawbar pull, laden/unladen			750
5.6	Max. drawbar pull, laden/unladen		N	3000
5.8	Max. gradeability, laden/unladen		%	7/25
5.10	Service brake			Hydraulic
5.11	Parking brake			Mechanical
6.1	Drive motor rating S2 60 min		kW	4

	SPECIFICATION	REF	UNIT	VALUE
6.4.1	Battery voltage		V	48
6.4.2	Battery nominal capacity K5		Ah	240
6.4.3	Battery type			Lead Acid/Li-ion
6.5	Battery weight		kg	430
8.1	Type of drive unit			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the driver's seat		dB(A)	70

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

ITEM	OPTIONS (optional items marked in yellow)
Drive wheel material	Rubber
Front wheel material	Solid Non-marking solid
Battery capacity	48V240AH Lead-acid 48V275AH Lead-acid 48V280AH Li-ion
Charger	48V45A External (Lead acid) 48V100A External (Li-ion)
Battery indicator	With time
Seat type	Comfortable + seatbelt logic switch Suspension + seatbelt logic switch
Traction pin	Yes Can be customized
Water auto-filling system	No Yes and not customized
Front lamp	LED
Rear lamp	LED
Warning lamp	No Yes and not customized
Rearview mirror	No Yes and not customized
Buzzer	Yes
Fire extinguisher	No Yes and not customized
Telematics	No Yes and not customized
Battery side pull function	Yes
Cabin	No Basic semi-cabin Upgrade semi-cabin Full cabin
Battery side pull attachment	No Yes and not customized