

QDD601T

ELECTRIC TRACTOR 6.0T

 6000 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
Battery type			Lead Acid/Li-ion
Battery nominal capacity		Ah	275
Battery voltage		V	48
Load capacity	Q	kg	6000
Service weight		kg	1150
Overall length		mm	1945
Overall width	b ₁ /b ₂	mm	1010/990
Turning radius		Wa	1780
Operator type			Seated
Wheelbase		mm	1105
Axle loading, unladen front/rear		kg	500/650
Tyre type			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
Tread width, front	b ₁₀	mm	/

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.

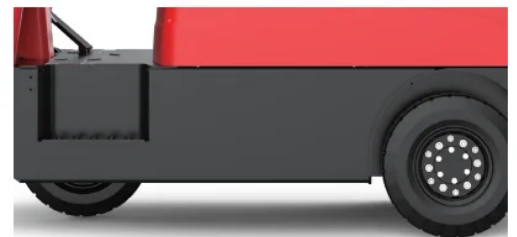


Operator-centered ergonomic design

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

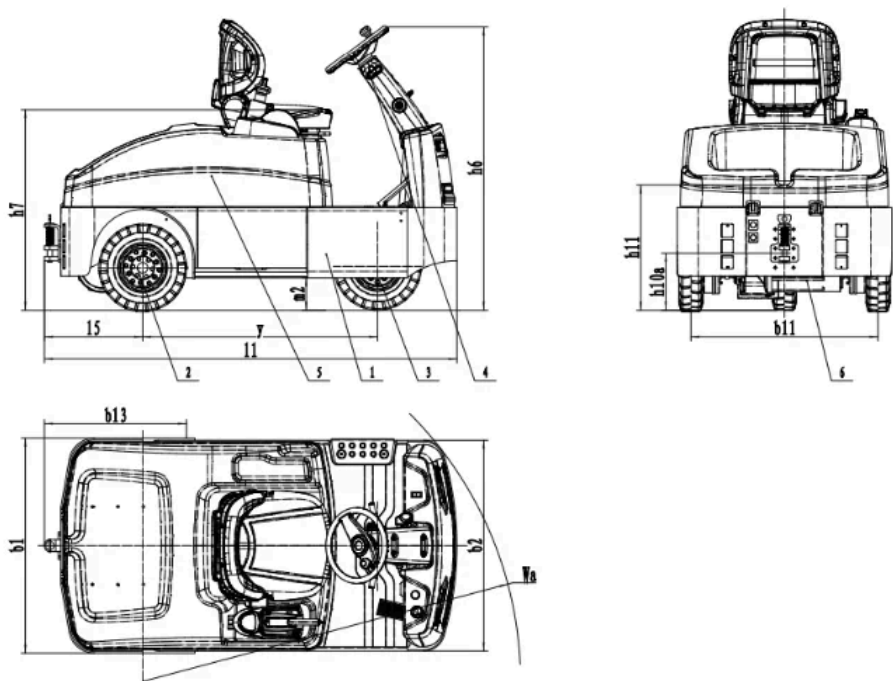
The side-removal battery design and one-piece hood simplify daily checks and service. Optional Li-ion batteries, LED lighting, telematics, and safety accessories allow customization for diverse industry needs.

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Seated
1.5	Load capacity	Q	kg	6000
1.9	Wheelbase		mm	1105
2.1	Service weight		kg	1150
2.3	Axle loading, unladen front/rear		kg	500/650
3.1	Tyre type			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
3.6.1	Tread width, front	b ₁₀	mm	/
3.7.1	Tread width, rear	b ₁₁	mm	880
4.12	Tow coupling height		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		mm	1945
4.2.1	Overall height			1335
4.21	Overall width	b ₁ /b ₂	mm	1010/990
4.32	Ground clearance, centre of wheelbase		mm	150
4.35	Turning radius		Wa	1780
4.36	Internal turning radius			1170
4.8	Seat height/standing height		mm	947
5.1	Travel speed, laden/unladen		km/h	7/15
5.10	Service brake			Hydraulic
5.11	Parking brake			Mechanical
5.5	Drawbar pull, laden/unladen			1200
5.6	Max. drawbar pull, laden/unladen			4500
5.8	Max. gradeability, laden/unladen		%	7/25
6.1	Drive motor rating S2 60 min		kW	4
6.4	Battery nominal capacity		Ah	275
6.4	Battery voltage		V	48

SPECIFICATION		REF	UNIT	VALUE
6.4.1	Battery type			Lead Acid/Li-ion
6.5	Battery weight		kg	506
8.1	Type of drive control			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the drivers ear		dB(A)	70

VDI Drawing



Options

ITEM	OPTIONS (optional items marked in yellow)
Load wheel type	Single
Seat type	Premium Suspension Suspension + seatbelt logic switch Premium + seatbelt logic switch
Traction pin	Yes Can be customized
Load wheel material	Rubber
Drive wheel material	Rubber
Front wheel material	Solid Non-marking solid
Battery capacity	48V280AH Li-ion 48V275AH Lead-acid 48V325AH Lead-acid

ITEM	OPTIONS (optional items marked in yellow)
Charger	48V45A External (Lead acid) 48V100A External (Li-ion)
Battery display indicator (BDI)	With time
Rearview mirror	No Yes and not customized
Buzzer	Yes
Fire extinguisher	No Yes and not customized
Telematics	No Yes and not customized
Water auto-filling system	No Yes and not customized
Front lamp	LED
Warning lamp	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