



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 |
|----------------------------------|-----------|------|------------------|
| Battery type | | | Lead Acid/Li-ion |
| Battery nominal capacity K5 | | Ah | 240 |
| 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 |
| Manufacturer | | | EP |
| Model designation | | | QDD301T |
| 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 |

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.

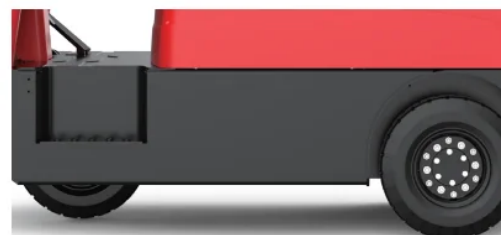


Operator-centered ergonomic design

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

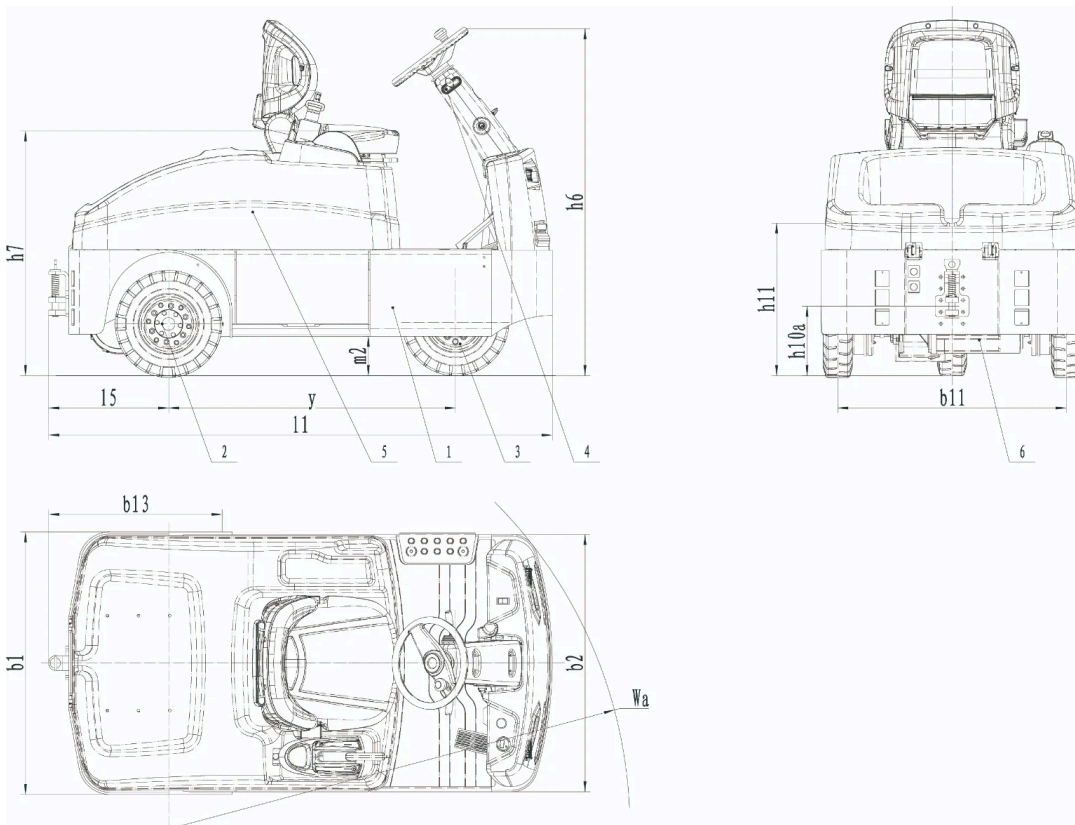
The side-removal battery design and one-piece hood simplify daily checks and service. Optional Li-ion batteries, LED lighting, telematics, and safety accessories allow customization for diverse industry needs.

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 | | | 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 | Battery nominal capacity K5 | Ah | 240 |
| 6.4 | Battery voltage | V | 48 |
| 6.4.1 | 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 |

VDI Drawing



Options

| ITEM | OPTIONS (optional items marked in yellow) |
|----------------------|---|
| Load wheel type | Single |
| Load wheel material | Rubber |
| Drive wheel material | Rubber |
| Front wheel material | Solid Non-marking solid |

| ITEM | OPTIONS (optional items marked in yellow) |
|---------------------------------|--|
| Battery capacity | 48V240AH Lead-acid 48V275AH Lead-acid 48V280AH Li-ion |
| Charger | 48V45A External (Lead acid) 48V100A External (Li-ion) |
| Battery display indicator (BDI) | 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 |