DT 3000 SERIES

Specifications
Double Stacker
## Specifications

### General Information
- **Manufacturer:** Crown Equipment Corporation
- **Model:** DT 3040-2.0
- **Platform Type:** without platform, foldable platform, rear entry, side entry
- **Steering Type:** mechanical, mechanical, electric, mechanical, electric
- **Operator Type:** pedestrian, pedestrian / stand-on, stand-on
- **Load Capacity:**
  - **Q t:** 2.0
- **Load Centre:**
  - **c mm:** 600
- **Load Distance:**
  - **x mm:** 900
- **Wheel Base:**
  - **y mm:** 1531, 1603

### Weights
- **Weight:**
  - **less battery kg:** see table 1
- **Axle Load:**
  - **w. load, front / rear kg:** see table 1
  - **w.o. load, front / rear kg:** see table 1

### Tyres
- **Tyres Type:** Vulkollan
- **Wheel Size:**
  - **front mm:** Ø 230 x 70, Ø 250 x 70, Ø 230 x 70, Ø 250 x 70
  - **rear mm:** Ø 82 x 110, Ø 125 x 54
- **Additional Wheels:**
  - **castor wheel mm:** 1x + 2/2
- **Wheels:**
  - **number (x=driven) front/rear:** 1x + 2/2
  - **front mm:** Ø 125 x 54
  - **rear mm:** Ø 82 x 110

### Dimensions
- **Mast:**
  - **collapsed height h1 mm:** see table 1
  - **extended height h4 mm:** see table 1
  - **extended height h5 mm:** 125
- **Operator Stand Height: h7 mm:** 186, 197
- **Tiller Arm Height:**
  - **in drive position min./max. h14 mm:** 960 / 1460, 1056 / 1359, 1054/1323, 1249
- **Overall Length:**
  - **initial lift raised mm:** 1986, 2058, 2128 / 2588, 2622, 2703
- **Headlength:**
  - **initial lift raised mm:** 836, 908, 978 / 1438, 1472, 1553
- **Overall Width:**
  - **b1/b2 mm:** 744
- **Fork Dimension:**
  - **standard mm:** 60 x 186 x 1150
  - **optional length l mm:** 650
- **Width Across Forks:**
  - **b5 mm:** 560
- **Ground Clearance:**
  - **centre of wheelbase mm:** 29
- **Working Aisle Width:**
  - **initial lift raised Ast mm:** 2420, 2492, 2557 / 3002, 3037, 3037, 3127
- **Turning Radius:**
  - **initial lift raised Wa mm:** 1720, 1792, 1857 / 2302, 2337, 2337, 2427

### Performance
- **Travel Speed:**
  - **w. / w.o. load km/h:** 6.0 / 6.0, 6.5 / 10.5, 9.5 / 12.5, 8.8 / 10.5, 9.8 / 12.5
- **Lift Speed:**
  - **w. / w.o. load m/s:** 0.18 / 0.30
- **Lowering Speed:**
  - **w. / w.o. load m/s:** 0.30 / 0.30
- **Max. Gradeability:**
  - **w. / w.o. load, %:** 6 / 15
- **Service Brake:**
  - **electric**

### Motors
- **Traction Motor:**
  - **60 min. rating kW:** 2.0
- **Lift Motor:**
  - **10% on time kW:** 2.2
- **Battery:**
  - **acc. to DIN 43535 lwxh mm:** B
- **Max. Battery Box Size:**
  - **lwxh mm:** 212x624x627, 284 x 624 x 627
- **Battery Voltage:**
  - **nominal capacity 5h rating V/Ah:** 24 / 240, 24 / 375
- **Battery Weight:**
  - **kg:** 212, 309
- **Type Controller:**
  - **drive:** AC-transistor
- **Sound Level:**
  - **acc. to EN 12053 dB(A):** 59

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* as double stacker 1000 kg + 1000 kg, as pallet truck 2000 kg and as stacker 1000 kg
** initial lift lowered + 40 mm
*** initial lift lowered + 58 mm
**** initial lift lowered – 18 mm
DT 3000 Series

Double Stacker

DT 3040-2.0 without platform mechanical steering

Dimensions:
- L: 170
- W: 89
- H: 4.9
- Q: 1.8
- C: 1.6
- D: 4.2
- O: 4.35
DT 3000 Series

Double Stacker

DT 3040-2.0 foldable platform
mechanical or electronic steering
Double Stacker

DT 3040-2.0 rear entry fixed platform
mechanical or electronic steering
DT 3040-2.0 side entry fixed platform
electronic steering
### Electric System / Batteries

24-volt electrical system with nominal battery capacities from 240 Ah to 375 Ah. Battery compartment rollers for horizontal battery removal are standard.

### Standard Equipment

1. Maintenance free 3-phase (AC) traction and steering motors
2. e-GEN® Braking System offers regenerative and frictionless electric braking. Mechanical braking applies only as parking brake
3. The X10® Control Handle places all truck functions at the operator’s fingertips.
4. Crown Access 1 2 3® Comprehensive System Control
   - LCD display
   - Hour meter
   - Keyless start up with PIN code
   - Start up and run time diagnostics
   - Battery discharge indicator and lift interrupt
   - 3 selectable traction performance profiles
   - Onboard diagnostics with real time troubleshooting capabilities
5. FlexRide™ reduces vibrations and shocks to a minimum by combining (foldable platform only)
   - Soft floor mat with integrated presence sensor
   - Advanced platform suspension
   - Fully suspended drive unit
6. CAN-Bus technology
7. Sealed electrical Deutsch Connectors
8. Heavy-duty side restraints with soft side pads and quick-exit feature (foldable platform only)
9. Electric power disconnect switch
10. Vulkollan drive tyre, castor wheels and load wheels
11. Single load wheels
12. Ramp hold
13. Battery connector DIN 160A
14. Heavy-duty chassis with 10 mm thick steel skirt
15. Easily removable steel covers
16. Hinged steel top battery cover for easy battery access
17. Rabbit/turtle switch incorporates two levels of programmable travel performance
18. Proportional lifting/lowering
19. Heavy-duty castor wheels
20. Fully suspended drive unit
21. Soft floor mat with integrated presence sensor (platform trucks only)

### Optional Equipment

1. Without foldable platform
2. Rear entry fixed platform
3. Side entry fixed platform (electronic steering only)
4. Weight-adjustable FlexRide (rear entry fixed platform only)
5. Intelligent Electronic Steering System (platform trucks only)
   - Selectable performance profiles for speed reduction on curves
   - Tactile feedback feature analyses operational conditions and adjusts steering force for optimised control
6. Active Traction System adjusts drive tyre pressure as load weight changes
7. Outrigger lift/lower switches on left and right side of X10 Control Handle
8. Battery connector SBE 160 red
9. Rubber or Supertrac drive tyre
10. Tandem load wheels
11. Heavy-duty dual castor wheels
12. Freezer conditioning and corrosion protection
13. InfoLink® ready
14. Key switch or key pad
15. Load backrest
16. Work Assist accessory tube
17. Work Assist Accessories
   - Storage pockets
   - Scan gun holder
   - Small and medium clipboards
   - Mounting brackets for WMS terminals
18. Special paint
19. Pedestrian / stand-on platform trucks only

### Table 1

<table>
<thead>
<tr>
<th>Operator Type</th>
<th>Mast Type</th>
<th>DT 3000</th>
<th>DT 3000-2.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian</td>
<td>Pedestrian</td>
<td>Pedestrian / stand-on</td>
<td>Stand-on</td>
</tr>
<tr>
<td>Pedestrian / stand-on</td>
<td>Stand-on</td>
<td>Stand-on</td>
<td>Stand-on</td>
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</tbody>
</table>

#### Technical Information

<table>
<thead>
<tr>
<th>Mast Type</th>
<th>TL V/Ah</th>
<th>TL V/Ah</th>
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<th>TL V/Ah</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1 Weight less battery</td>
<td>810</td>
<td>840</td>
<td>830</td>
<td>860</td>
</tr>
<tr>
<td>2.2 Axle Load w. load</td>
<td>1835</td>
<td>1865</td>
<td>1855</td>
<td>1885</td>
</tr>
<tr>
<td>2.3 Axle Load w.o. load</td>
<td>1225</td>
<td>1255</td>
<td>1245</td>
<td>1275</td>
</tr>
<tr>
<td>2.4 Lift Height h1</td>
<td>1270</td>
<td>1430</td>
<td>1270</td>
<td>1430</td>
</tr>
<tr>
<td>2.5 Mast extended height h4</td>
<td>2100</td>
<td>2500</td>
<td>2100</td>
<td>2500</td>
</tr>
<tr>
<td>2.6 Battery Voltage</td>
<td>Nominal capacity 5h rating</td>
<td>V/Ah</td>
<td>24 / 240</td>
<td>24 / 375</td>
</tr>
</tbody>
</table>
DT 3000 Series

Technical Information

Power Unit Suspension

The drive unit suspension utilises hard-plated chrome rods and sealed slide bushings for long life without adjustment. The suspension provides 60 mm of travel with constant drive tyre pressure for excellent performance on ramps. The system reduces shocks to the chassis, mounted components and the operator.

Active Traction, standard on trucks with electronic steering, uses hydraulic pressure to increase traction. Reduced slipping and improved braking are especially helpful on steep or wet ramps.

e-GEN® Braking System

The power of the high-torque AC traction motor is used to stop the truck and keep it static until a travel input is requested, even when operating on a gradient. This system eliminates adjustments and wear points for a lifetime of maintenance free use.

An automatic parking brake activates if the truck is stopped and the operator leaves the platform or power is disconnected.

Safety Regulations

Conforms to European safety standards.

Dimensions and performance data given may vary due to manufacturing tolerances. Performance is based on an average size vehicle and is affected by weight, condition of truck, how it is equipped and the conditions of the operating area. Crown products and specifications are subject to change without notice.