Back rest widths
27.5" (700 mm) Standard
22.5" (570 mm) Optional

T-handle
34" (865 mm)

Tiller-style handle

Manual Steering Option

72" Optional (1830 mm)
60" Optional (1525 mm)
48" Standard (1220 mm)

7.75" (195 mm)

31.62" option (805 mm)
23.38" (595 mm)
16.75" (425 mm)
7.75" (195 mm)\(^{(1)}\)
8.62" (220 mm)

(1) With optional battery compartment rollers = 9.12" (230 mm)
TR 4500 Series Specifications

**General Info**
- Manufacturer: Crown Equipment Corporation
- Model: TR 4500

### Drawbar Pull
- Normal: 250 lb (110 kg)
- Maximum: 700 lb (315 kg)

### Rolling Load Capacity
- 10,000 lb (4535 kg)

### Overall Length
- 60.3 in (1530 mm)

### Wheelbase
- 38 in (965 mm)

### Turning Radius
- 48.3 in (1230 mm)

### Grade Clearance
- 2% (27%)

### Travel Speeds
- Empty: 9.0 mph (14.4 km/h)
- Loaded: 6.0 mph (9.6 km/h)

### Truck Weight
- 1280 lb (580 kg)

### Hitch Heights

<table>
<thead>
<tr>
<th>Hitch</th>
<th>Automatic</th>
<th>Pin &amp; Clevis</th>
<th>Pintle</th>
<th>Eye</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum in mm</td>
<td>8</td>
<td>7.88</td>
<td>8.62</td>
<td>8.75</td>
</tr>
<tr>
<td>Maximum in mm</td>
<td>205</td>
<td>200</td>
<td>220</td>
<td>225</td>
</tr>
<tr>
<td>Minimum lb</td>
<td>250</td>
<td>15</td>
<td>15.62</td>
<td>15.75</td>
</tr>
<tr>
<td>Maximum lb</td>
<td>700</td>
<td>380</td>
<td>395</td>
<td>400</td>
</tr>
</tbody>
</table>

* 12" (305 mm) hitch height.
**Power unit first travel only.

### Adjustable Hitch Options
Hitch plate allows all types of hitches to be adjusted in 1.75" (44.5 mm) increments.

- **Automatic Hitch**
- **Pin & Clevis Hitch**
- **Pintle Hitch**
- **Eye Hitch**

### Maximum Battery Size
13.19" (335 mm) wide x 31.12" (790 mm) long x 31.62" (803 mm) high

### Batteries
24-volt, 750 amp hour, 21.5 kWh

### Standard Equipment
1. 24-volt fused electrical system
2. Access 1 2 3® Comprehensive System Control
3. AC traction system
4. e-GEN® braking
5. X10® Handle
6. Electronic power steering
7. Access Display (battery discharge indicator, hour meters, event code readout and PIN codes)

### TR 4500 Series
8. Operator sensing floorboard
9. Premium urethane floorboard cushion
10. 27.5" (700 mm) wide padded wrap around backrest
11. 48" tall backrest
12. Magnetic mount storage module with X10 handle
13. Upper storage bin in backrest
14. Hitch
15. Short battery wall (use with 23.38" (590 mm) tall battery)

### Technical Information
16. InfoPoint® Quick Reference Guide and Maps
17. Orange polyurethane trail wheels
18. Black polyurethane drive tire
19. SB175 amp gray battery connector
20. Key switch
21. Horn
22. Lift-off left and right battery retainers
23. Auto parking brake
24. Ramp hold

[Imperial | Metric]

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Inch</th>
<th>Millimeter</th>
<th>Inch</th>
<th>Millimeter</th>
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</thead>
<tbody>
<tr>
<td>Wheelbase</td>
<td>38</td>
<td>965</td>
<td>38</td>
<td>965</td>
</tr>
<tr>
<td>Turning Radius</td>
<td>48.3</td>
<td>1230</td>
<td>48.3</td>
<td>1230</td>
</tr>
<tr>
<td>Grade Clearance</td>
<td>2%</td>
<td>27%</td>
<td>2%</td>
<td>27%</td>
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<tr>
<td>Travel Speeds</td>
<td>Empty</td>
<td>mph km/h</td>
<td>Loaded</td>
<td>mph km/h</td>
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<tr>
<td></td>
<td>9.0</td>
<td>14.4</td>
<td>6.0</td>
<td>9.6</td>
</tr>
<tr>
<td>Truck Weight</td>
<td>Less battery</td>
<td>lb kg</td>
<td>1280</td>
<td>580</td>
</tr>
<tr>
<td>Height</td>
<td>12</td>
<td>305</td>
<td>15</td>
<td>380</td>
</tr>
</tbody>
</table>
TR 4500 Series

**Electrical System**
Heavy-duty 24-volt electrical system for demanding warehouse applications. Crown-manufactured AC drive motor delivers powerful performance and proven reliability for long-lasting productivity in any environment.

Color-coded wiring is used for ease of service.

**Drive Unit**
All gear drive from drive motor to drive wheel axle. Drive tire axle is mounted in the drive unit on both sides for maximum strength in rough floor applications. Drive unit is top and bottom mounted. Top mount is a large taper roller bearing for vertical or horizontal forces. Bottom mount has four shock mounted rollers on drive unit running in a hardened steel roller race.

**Wheels and Tires**
Drive tire, 13.5" (343 mm) diameter x 4.5" (114 mm) wide x 8" (203 mm) hub polyurethane. Trail wheels, 7" (178 mm) diameter x 5" (127 mm) wide rubber or polyurethane.

**Heavy-duty Power Unit Structure**
Rugged steel doors are suspended on heavy-duty pin hinges. Doors can also be lifted off for unrestricted service access. Door bolts have an exclusive convex design that mates with concave door holes for fast reinstallation of bolts. Heavy-steel skirt surrounds entire area.

**Brake**
Crown's e-GEN braking system uses the powerful torque of the AC motor for smooth consistent braking. Braking is optimized and virtually eliminates brake maintenance.

While moving, e-GEN braking is applied if the operator activates the brake button on the X10 handle, moves the tiller handle into the brake zone, activates brake levers on "T" handle, removes travel input or reverses direction.

The closed loop Access 1 2 3 traction control will keep the truck static until a travel input is requested, even when operating on a grade.

Automatic electric parking brake activates when the truck has been stationary for four seconds, the truck is keyed off or the battery has been disconnected.

**Warning Device Options**

**Audible or Visual Alerts**
Safety considerations and dangers associated with audible travel alarms and lights include:

- Multiple alarms and/or lights can cause confusion.
- Workers ignore the alarms and/or lights after day-in and day-out exposure.
- Operator may transfer the responsibility for "looking out" to the pedestrians.
- Annoys operators and pedestrians.

**Other Options Available**
Contact factory for additional options.

**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.**

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Because Crown is continually improving its products, specifications are subject to change without notice.

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