**RM 6000 Series**

Narrow-Aisle Reach Truck

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**Dimensions:**

- **42" (1065 mm)***
- **8" (203 mm)***
- **4" (102 mm)***
- **4" (102 mm)***
- **20" (508 mm)***
- **27" (686 mm)***
- **30" (762 mm)***
- **5.5" (140 mm)**
- **5.5" (140 mm)**
- **4.3" (109 mm)**
- **5.75" (146 mm)**
- **5.25" (133 mm)**
- **2 ø 5 x 4.1" (127 x 104 mm)**
- **2 ø 5 x 4.1" (127 x 104 mm)**
- **2 ø 5 x 4.1" (127 x 104 mm)**
- **2 ø 6 x 2.9" (152 x 75 mm)**
- **2 ø 6 x 2.9" (152 x 75 mm)**
- **2 ø 6 x 2.9" (152 x 75 mm)**
- **2x ø 6 x 4.1" (152 x 104 mm)**
- **2x ø 4 x 4.1" (102 x 104 mm)**
- **2x ø 4 x 4.1" (102 x 104 mm)**
- **ø 10.5 x 4.5" (269 x 115 mm)**
- **7.13" (181 mm)**
- **6.5" (165 mm)**
- **9.4" (239 mm)**
- **10.4" (264 mm)**
- **4" (102 mm)**
- **5" (127 mm)**
- **1" (25 mm)**
- **2" (51 mm)**

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* 5.86" (149 mm) with QuickChange Load Wheels.
** 4.6" (117 mm) with QuickChange Load Wheels.
*** 1" (25 mm) on lift heights above 321" (8155 mm).

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*Measurements are approximate.*

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* 5.86" (149 mm) with QuickChange Load Wheels.
** 4.6" (117 mm) with QuickChange Load Wheels.
*** 1" (25 mm) on lift heights above 321" (8155 mm).
# RM 6000 Series Specifications

## General Information
1. **Manufacturer**: Crown Equipment Corporation
2. **Model**: RM 6025
3. **Load Capacity**
   - **Max**: 4500 lb (2000 kg)
4. **Power Center**: Fork Face to Load CG
   - **in mm**: 24
5. **Power**: 36 Volts
6. **Operator Type**: Reach Stand
7. **Tire Type**: Load/Caster/Drive
   - Poly / Poly / Poly
8. **Wheels (x driven)**: Load/Power Unit
   - 4 / 2 (1x)
9. **Mast Type**: High Visibility

## Dimensions

### Lift Height

- **in mm**: See Mast Chart Below

### Guard Height

- **in mm**: See Mast Chart Below

### Forks

- **in mm**: 36 x 4 x 1.75
- **in mm**: 914 x 102 x 45
- **Optional Lengths in mm**: 30, 39, 42, 45, 48
- **mm/s**: 762, 990, 1065, 1145, 1220

### Carriage

- **Tilt F°/B°**: 3/4

### Headlength**

- **Compartment “C”**: 56.00
- **Compartment “D”**: 57.80
- **Compartment “E”**: 60.40

### Overall Collapsed Height

- **in mm**: See Mast Chart Below

### Overall Extended Height

- **in mm**: See Mast Chart Below

### Inside Straddle Width***

- **in mm**: 34 - 50
- **mm/s**: 865 - 1270

## Performance

### Lift Height

- **Forks First (E/L) mph**: 8.0 / 7.2
- **Forks First (E/L) km/h**: 13.0 / 11.6

### Speed Lift - AC †

- **Empty fpm**: 160
- **3000 lb (1361 kg) fpm**: 121
- **4000 lb (1815 kg) fpm**: 98
- **4500 lb (2000 kg) fpm**: 95

### Speed Lower

- **Empty/Loaded fpm**: 110 / 110
- **Speed Xpress™ Lower**: 559 / 559

### Speed Xpress™ Lower

- **Empty/Loaded mph**: 110 - 240 / 110 - 240
- **mm/s**: 559 - 1219 / 559 - 1219

### Tires

- **Size - Drive/Caster**: 330 x 140 / 203 x 102

### Chassis

- **Wheelbase (Standard Wheel)**
  - Compartment “C”**: 60.51
  - Compartment “D”**: 62.28
  - Compartment “E”**: 64.88

### Brakes

- **Drive**: Elect Release / Mech Applied
- **Caster**: None
- **Parking**: Elect Release / Mech Applied

## Weight

- **Truck Weight w/o Battery**
  - **“C” lb**: 6323
  - **“D” lb**: 6372
  - **“E” lb**: 6411

- **Battery Compartment**
  - **“C” lb**: 6442
  - **“D” lb**: 6586
  - **“E” lb**: 6530

## Mast Chart

- **TT – RM 6025**

## Notes

- * Contact factory. Capacity may be subject to derating at height.
- ** Sideshift included.
- *** Inside straddle is decreased .35" (9 mm) with Quick Change Load Wheels.
- † Maximum lift speeds with the maximum available battery compartment.
- †† Average speed is 205 fpm (1041 mm/s).

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* With load backrest 48" (1220 mm).
Note: Above 321" (8155 mm), 6" (152 mm) high load wheel standard.
RMD 6000 Series
Narrow-Aisle Reach Truck

*4.6" (*117 mm) with QuickChange Load Wheels.
**5.86" (**149 mm) with QuickChange Load Wheels.
***1" (***25 mm) on lift heights above 321" (8155 mm).
# RMD 6000 Series Specifications

## General Information
- **Manufacturer**: Crown Equipment Corporation
- **Model**: RMD 6025

## Load Capacity*
- **Max lb kg**: 3200 1450

## Load Center
- **Fork Face to Load CG in mm**: 24

## Power
- **36 Volts**

## Operator Type
- **Reach**: Stand

## Tire Type
- **Load/Caster/Drive**: Poly / Poly / Poly

## Wheels (x = driven)
- **Load/Power Unit**: 4 / 2 (1x)
- **Mast Type**: High Visibility MM

## Lift Height
- **in mm**: See Mast Chart Below

## Guard Height
- **in mm**: See Mast Chart Below

## Forks
- **Standard L x W x T in mm**: 24 600
- **Optional Lengths in mm**: 30, 39, 42, 45, 48

## Carriage
- **Tilt F°/B°**: 3/4

## Headlength**
- **Compartment "C" in mm**: 60.90
- **Compartment "D" in mm**: 62.60
- **Compartment "E" in mm**: 65.30

## Overall Collapsed Height
- **in mm**: See Mast Chart Below

## Overall Extended Height
- **in mm**: See Mast Chart Below

## Inside Straddle Width***
- **In 1" (25 mm) increments in mm**: 34 - 50

## Speed Travel
- **Power Unit First (E/L) mph km/h**: 8.0 / 7.2
- **Forks First (E/L) mph km/h**: 6.8 / 5.7

## Speed Lift - AC †
- **Empty fpm mm/s**: 160 813
- **1000 lb (454 kg) fpm mm/s**: 139 706
- **2000 lb (907 kg) fpm mm/s**: 121 615
- **3000 lb (1361 kg) fpm mm/s**: 105 533

## Speed Lower
- **Empty/Loaded fpm mm/s**: 110 / 110 559 / 559
- **Speed Xpress™ Lower**: 110 - 240 / 110 - 240 ††

## Wheelbase (Standard Wheel)
- **Compartment "C" in mm**: 60.51
- **Compartment "D" in mm**: 62.28
- **Compartment "E" in mm**: 64.88

## Suspension
- **Drive**: Articulated
- **Caster**: Articulated, Swivel

## Brakes
- **Drive**: Elec Release / Mech Applied
- **Caster**: None
- **Parking**: Elec Release / Mech Applied

## Chassis
- **Wheelbase (Standard Wheel)**
- **Suspension**: Drive Articulated, Caster Articulated
- **Brakes**: Drive Elec Release / Mech Applied, Caster None, Parking Elec Release / Mech Applied

## Dimensions
- **Dimensions Chart**

## Weight
- **Truck Weight w/o Battery RMD 6025**
- **Battery Compartment**
  - **"C" lb kg**: 6508 2952
  - **"D" lb kg**: 6559 2975
  - **"E" lb kg**: 6599 2993

* Contact factory. Capacity may be subject to derating at height.
** Sideshift included.
*** Inside straddle is decreased by .35" (9 mm) with Quick Change Load Wheels.
† Maximum lift speeds with the maximum available battery compartment.
†† Average speed is 205 fpm (1041 mm/s).

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* To reach carriage with load backrest 36" (915 mm).
Note: Above 321" (8155 mm), 6" (152 mm) high load wheel standard.
## Specifications

### Drive-in Rack Third Post and Flat OHG Options

<table>
<thead>
<tr>
<th>RM 6000 Series</th>
<th>RMD 6000 Series</th>
</tr>
</thead>
</table>

#### Battery Removal

<table>
<thead>
<tr>
<th>Type</th>
<th>Both Sides</th>
<th>Lead Acid</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>Min Weight/Max Amp-hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&quot;C&quot; Battery Compartment: Up to 321&quot; (8155 mm) lb/Ah kg/Ah</td>
<td>2000 / 930 907 / 930</td>
</tr>
<tr>
<td></td>
<td>&quot;D&quot; Battery Compartment: Up to 341&quot; (8660 mm) lb/Ah kg/Ah</td>
<td>2280 / 1085 1034 / 1085</td>
</tr>
<tr>
<td></td>
<td>&quot;E&quot; Battery Compartment - ≤ 400&quot; (10160 mm) lb/Ah kg/Ah</td>
<td>2600 / 1240 1179 / 1240</td>
</tr>
</tbody>
</table>

#### Max Battery Size

<table>
<thead>
<tr>
<th>Battery Compartment</th>
<th>L x W x H</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;C&quot; Battery Compartment</td>
<td>in mm</td>
</tr>
<tr>
<td>&quot;D&quot; Battery Compartment</td>
<td>in mm</td>
</tr>
<tr>
<td>&quot;E&quot; Battery Compartment</td>
<td>in mm</td>
</tr>
</tbody>
</table>

#### Connector Location / Length (J)

<table>
<thead>
<tr>
<th>Connector Location / Length (J)</th>
<th>A / 9&quot;</th>
<th>A / 229 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Connector</td>
<td>SB350 Gray</td>
<td></td>
</tr>
</tbody>
</table>

* Width is measured on the side of the battery with lifting hooks.

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**Note:** Power unit is not centered on the outriggers. In drive-in rack applications, the power unit will sit closer to the support rails on the operator side of the truck. Please use caution when specifying.

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**Dimensions shown are an example only and are not applicable for all configurations.**

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**Example Below:**

The outriggers will be offset 1.5" (38 mm) to the left on all outrigger configurations except 42" (1067 mm), 43" (1092 mm) and 44" (1118 mm) OD. These will be offset .25" (6 mm) to the left.

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*Width is measured on the side of the battery with lifting hooks.*
**Capacity**
- Model RM 6025: 4500 lb (2000 kg) at 24” (600 mm) load center, 36 volt
- Model RMD 6025: 3200 lb (1450 kg) at 24” (600 mm) load center, 36 volt

**Batteries**
- Battery removal from left or right side of truck. Standard battery compartment rollers for extraction with mechanized equipment.

**Standard Equipment**
1. MonoLift® mast
2. Crown’s Access 1 2 3 Comprehensive System Control
3. 36 volt system
4. AC Traction System
5. AC Hydraulics with electronic power steering
6. Regenerative Lowering
7. OnTrac® Anti-Slip Traction Control
8. Operator Compartment
   - Variable side stance
   - Flexible five-point positioning
   - Back support with integral hip support
   - Arm/Elbow support padding
   - Padded compartment interior walls
   - Operator console with work surface and storage
   - Entry bar
   - Suspended floor
   - 270 in² (1742 cm²) floor area
   - Premium urethane floorboard cushion
   - Work Assist® Mirror
9. Multi-task control handle
10. Crown display
    - Event code display with five (5) key navigation
    - Hour meters / travel distance / stop watch
    - PIN Code access capable
    - Access 1 2 3 diagnostics
    - P1, P2, P3 performance tuning
    - Battery discharge indicator, steer wheel direction indicator, OnTrac® Traction Control indicator
11. High visibility power unit
12. Angled overhead guard
13. Polycarbonate mast guard
14. Integrated sideshift RM-2” (51 mm) or 4” (102 mm), RMD-2” (51 mm)
15. Load backrest – RM-48” (1220 mm), RMD-36” (915 mm)
16. Tilting fork carriage
17. Tandem articulating load wheels
18. Lift slow down 12” (305 mm) from maximum lift height
19. Lift Limit without override
20. Chain slack detection
21. Crown-manufactured drive and lift motors
22. Offset articulated drive axle with 190° steer arc
23. Horn
24. Emergency power disconnect
25. 350 amp battery connector
26. Large diameter battery rollers
27. Color-coded wiring
28. Third post
29. Forward steering
30. InfoPoint® System with Quick Reference Guide
31. Static Strap
32. Work Assist® Accessory Tube

**Optional Equipment**
1. Xpress™ Lower
2. Rack Height Select and Tilt Position Assist
3. Capacity monitor
4. Camera and color monitor (Must be Collapsed Height ≥ 26” (660 mm) above Overhead Guard)
5. Laser Fork Guide
6. Lift limit with override
7. Zone Select Key switch
8. Quick Change bolt-on outrigger tips
9. Bolt-on outrigger tips
10. Mesh screen mast guard
11. Battery retainer with interlock
12. 5th battery compartment roller
13. Load backrest RM-36” (915 mm) and 42” (1067 mm) RMD-42” (1067mm) and 48” (1220 mm)
14. Overhead guard mesh
15. Flat overhead guard
16. Plastic lens Work Assist® Mirror
17. Polished and tapered forks
18. Fork lengths
19. Heavy-duty skirt
20. Work light
21. Plastic LED work light
22. LED flashing light
23. Console area light
24. Travel alarm
25. Keyless on/off switch
26. Corrosion/freeze conditioning (freezer conditioning includes a 5/8” (16 mm) thick power unit skirt with extended coverage of the drive and caster tires)
27. ThermoAssist® freezer comfort package
28. UL EE Rating
29. Load wheel sizes and compounds
30. Drive tire compounds
31. Reverse steering
32. Short steer tilter
33. Maintenance platform
34. Remote raise/lower
35. Work Assist® Accessories:
   - Accessory RF mounting plate
   - Accessory RF mounting bracket
   - Accessory clamp
   - Accessory clip pad
   - Accessory hook
   - Accessory clip pad and hook
   - Accessory pocket
   - Console light
   - Fan
36. InfoLink® Ready
37. InfoLink for Windows® Ready

**Operator Compartment**
Soft, rounded surfaces make compartment interior more comfortable. Streamlined exterior smooths entry/exit for the operator. A low floor height, (9.4") (239 mm), first greets the operator. A low floor height, comfortable. Streamlined and 5/8” (16 mm) thick power unit skirt with extended coverage of the drive and caster tires. The brake pedal design allows control and stability, starting with the right hand on the multi-task controller and the left hand on the steer tilter. Left foot on the brake pedal and the right foot on the presence sensor. The operator's back is naturally fitted against the wrap-around support cushion.

**Technical Information**
An entry bar with sensors to automatically slow truck travel, encourages safe foot positioning inside the truck. The multi-task control enables the operator to maneuver the truck while blending lift and accessory functions for improved productivity. Control handle activation forces are reduced. The soft grip steer tilter with hydrostatic steering or optional electronic power steering reduces operator fatigue.

Operator visibility is improved with:
- Low profile power unit
- MonoLift® mast
- Angled overhead guard
- Variable side stance

Superior thermal management is the result of several design features: reduced heat generating components, positioning of heat generating components away from the compartment, padding to insulate the compartment from heat, and improved air paths through the truck.

Clipboard surface and console storage pockets are standard.

**Crown’s Access 1 2 3 Comprehensive System Control**
provides optimum performance and control by offering a communication interface for operators and technicians, intelligent coordination of lift truck systems and simplified service with advanced diagnostics.

The Crown display is used for easy trouble shooting, accessing service history and setting performance features. A distribution panel is conveniently located with all test points, control fuses and central wiring for easy troubleshooting.

Three modes of performance can be selected to accommodate operator experience or application requirements.

**OnTrac® Anti-Slip Traction Control**
Crown’s Access 1 2 3 technology monitors truck dynamics, optimizes traction, reduces spinning during acceleration, prevents lock-up during braking, and greatly extends tire life.
Travel
Crown’s AC traction system is a closed loop traction control system that maintains top speed throughout the battery charge. Engineered and manufactured by Crown, the AC motor, controller and drive unit are designed specifically for lift truck applications.

On an inclined surface or when interfacing with push-back racking, the “truck hold” feature electronically brakes the truck when the handle is in neutral. The operator does not have to release the brake pedal, improving comfort and control in these applications. Selected travel speed remains constant regardless of surfaces, load weight or grades. Less throttling of control handle means better truck control and less fatigue to the operator.

Lift/Lower
The AC lift system boasts industry-leading lift and lower speeds. The Crown built motor and controller are dedicated and designed to improve the efficiencies of the lift-lower functions. The standard regenerative lowering puts energy back in the battery as the mast is lowered. Movement of the mast is smooth and controlled for increased operator productivity.

Steering
Drive tire rotates 190° for maximum maneuverability. The electronic power steering uses an AC steer motor and steering control module integrated with the Access 1 2 3 System for fast, reliable steering response. The smooth, quiet steering requires minimal operator effort at the steer tiller.

Braking
A disc brake on the motor armature shaft combined with motor regenerative braking provides sure braking with fewer parts and maintenance requirements. The offset, articulated drive-unit design improves drive tire brake force. Regenerative motor braking helps save energy, and decreases motor temperature.

Suspension
The offset, articulated drive-unit design provides positive floor contact.

Load Handling
The optional Load Handling Assist package provides rack height select and tilt position assist features. The Rack Height Select feature allows the truck to be programmed to stop at preselected heights. With one-touch of the multi-task trigger while lifting or lowering, the mast will stop at the next programmed height. Another useful option is the Tilt Position Assist. This allows the fork tilt to stop at a preprogrammed position for maximum fork clearance when entering pallets.

Also optional, the Capacity Monitor shows the approximate weight on the forks and the fork height. It will alert the operator when the truck capacity is exceeded for the fork height. It will also show how high or to which lift zone you can raise the load.

Mast
The MonoLift® mast design with angled overhead guard improves visibility for high or low stacking. Crown’s patented staging cushions coupled with lowering dampers and speed reductions at maximum lift improve overall load handling control. Elevated load sway and side bowing are minimized through the use of a closed cross-section mast construction. Rolled “I-beams” continuously welded to a formed plate create a full length, deep cross-section mast capable of resisting front and side loading equally well. Lift cylinders, hoses, cable and chain within the mast are protected from the operating environment, but are readily accessible for service. Built-in sensors detect chain slack and shut down lower functions.

Xpress™ Lower
The optional Xpress Lower feature dramatically increases lower speeds allowing you to reduce cycle times and increase productivity. Trucks equipped with Xpress Lower take advantage of three automatically controlled lower speed zones to ensure optimum performance and safety.

Reach Mechanism
The cast reach carriage is sculpted to allow for excellent visibility to the load and forks. A soft start/stop of the reach mechanism is critical to operator confidence and load stability. A sensor recognizes when the reach and retract functions are starting or stopping and adjusts the speed accordingly.

Technical Information
Carriage
A hook-type carriage conforming to ITA specifications is used. Load backrest is standard.

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.