RM 6000
RMD 6000
SERIES

Specifications
Narrow-Aisle Reach Truck
S Class
**RM 6000 Series**

**S Class**

**Specifications**

**Narrow-Aisle Reach Truck**

- **Load Capacity**
  - 3500 lb (1633 kg)
- **Reach Capacity**
  - 2000 lb (907 kg)
- **Lift Height**
  - In  mm: 366, 400, 421, 442, 475, 505, 523, 553
  - In  ft: 12, 13, 14, 15, 16, 18
- **Battery Capacity**
  - 8450 lb (3833 kg)
- **Overall Height**
  - In  mm: 414, 448, 469, 490, 523, 553
- **Overall Width**
  - In  mm: 240, 258, 288, 318, 348, 369
- **Overall Depth**
  - In  mm: 112, 124, 130, 142, 154, 166
- **Minimum Straddle OD**
  - In  mm: 45, 48, 50, 50, 50, 50
- **Free Lift**
  - In  mm: 112, 124, 130, 142, 154, 166
- **Guard Height - Top Back**
  - In  mm: 89, 95, 95, 95, 95, 95
- **Guard Height - Top Front**
  - In  mm: 107, 107, 107, 107, 107, 107
- **Weight**
  - In  lb: 7000, 7119, 7311, 7619, 7879, 8166
  - In  kg: 3175, 3229, 3316, 3456, 3574, 3704
- **Optional Lengths**
  - In  mm: 30, 39, 42, 45, 48, 762, 990, 1065, 1145, 1220

**General Information**

- **Performance**
  - **Speed Xpress™ Lower Carriage**
    - In  fpm: 110, 110, 110, 110, 110, 110
    - In  m/min: 559, 559, 559, 559, 559, 559
- **Miscellaneous**
  - **Drive Articulated**
    - In  fpm: 95, 96, 105, 121, 139, 160
    - In  m/min: 483, 488, 533, 615, 706, 813
  - **Caster Articulated, Swivel**
    - In  fpm: 6.9, 6.2, 11.1, 10.0
    - In  m/min: 11.1, 10.0
  - **Parking Elec Release / Mech Applied**
    - In  fpm: 110, 240, 240
    - In  m/min: 559, 1219, 1219
  - **Drive Elec Release / Mech Applied**
    - In  fpm: 34, 50
    - In  m/min: 865, 1270

**Note:**
- Above 321" (8155 mm), 6" (152 mm) high load wheel standard.
- With load backrest 48" (1220 mm).
- In 1" (25 mm) increments in  mm 34 - 50 865-1270
- Average speed is 205 fpm (1041 mm/s).
- Maximum lift speeds with the maximum available battery compartment.
- Sideshift included.
- Contact factory. Capacity may be subject to derating at height.
- Note: Above 42" (1065 mm) high load wheel standard.

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- **TT – RM 6095S Mast Chart**
  - **Weight**
    - In  lb: 6894, 7013, 7205, 7513, 7773, 8058
    - In  kg: 3127, 3181, 3268, 3408, 3526, 3655
  - **Lift Height**
    - In  mm: 366, 400, 421, 442, 475, 505
  - **Battery Compartment "E"**
    - In  lb: 6894, 7013, 7205, 7513, 7773, 8058
    - In  kg: 3127, 3181, 3268, 3408, 3526, 3655
  - **Overall Collapsed Height**
    - In  mm: 17, 18
  - **Overall Extended Height**
    - In  mm: 414, 448, 469, 490, 523, 553
  - **Minimum Straddle OD**
    - In  mm: 45, 48, 50
  - **Free Lift**
    - In  mm: 112, 124, 130
  - **Guard Height - Top Back**
    - In  mm: 89, 95
  - **Guard Height - Top Front**
    - In  mm: 107
  - **Weight**
    - In  lb: 7000, 7119, 7311, 7619, 7879, 8166
    - In  kg: 3175, 3229, 3316, 3456, 3574, 3704
  - **Optional Lengths**
    - In  mm: 30, 39, 42, 45, 48, 762, 990, 1065, 1145, 1220
  - **Power Unit First (E/L)**
    - In  mph: 8.3, 13.4
    - In  km/h: 7.5, 12.1
  - **Speed Lower Carriage**
    - In  fpm: 110, 110, 110, 110, 110, 110
    - In  m/min: 559, 559, 559, 559, 559, 559
  - **Battery Compartment "E"**
    - In  mm: 64.88, 62.40
  - **Compartment "F"**
    - In  mm: 68.38
  - **Overall Truck Width**
    - In  mm: 181, 181
  - **Brakes**
    - In  fpm: 110, 240, 240
    - In  m/min: 559, 1219, 1219
  - **Overall Truck Length**
    - In  mm: 36 x 4 x 1.75
  - **Overall Truck Width**
    - In  mm: 19
  - **Overall Truck Height**
    - In  mm: 19
  - **Load/Power Unit 4 / 2 (1x)**
  - **Load/Caster/Drive Poly / Poly / Poly**
  - **Reach Sit / Stand**
  - **Height**
    - In  mm: 5.75, 5.75
  - **Headlength**
    - In  mm: 2 ø 5 x 4.1" (102 x 104 mm)
  - **Forks**
    - In  mm: 2 ø 6 x 2.9" (152 x 75 mm)
  - **Suspension**
  - **Overall Truck Width**
    - In  mm: 19
### General Information

**Dimensions**
- Overall Truck Width: 915 mm
- Overall Extended Height: 203 mm
- Wheelbase: 102 mm
- Load/Power Unit: 4 / 2 (1x)
- Reach Sit: 42 Volts
- Reach Stand: 36 Volts

**Chassis**
- Speed Lift - AC: 205 fpm (1041 mm/s)
- Empty fpm: 160 (813 mm/s)
- Empty/Loaded fpm: 110 - 240 (559 - 1219 mm/s)

**Suspension**
- Load Capacity: 3,200 lb (1,450 kg)
- Lift Height: 34 - 50 (865 - 1270 mm)
- Mast Type: High Visibility MM
- Load/Power Unit: 4 / 2 (1x)
- Load/Caster/Drive: Poly / Poly / Poly

**Brakes**
- Type: Caster Electronically Applied
- Parking Elec Release / Mech Applied

**Drive**
- Drive Elec Release / Mech Applied
- Power Unit First (E/L): 8.3 / 7.5 (13.4 / 12.1 mph)

**Tires**
- Size - Drive/Caster: 13 x 5.5 / 8.5 x 2.7 x 2 (330 x 140 / 216 x 69 x 2)
- Size - Drive/Caster: 18 x 5.5 / 8.5 x 2.7 x 2 (468 x 140 / 216 x 69 x 2)

**Wheelbase (Standard Wheel)**
- Standard L x W x T: 36 x 4 x 1.5 (914 x 102 x 45 mm)

**Tilt F°/B°**
- Degree: 3/4

**Forks**
- Size - Drive/Caster: 13 x 5.5 / 8.5 x 2.7 x 2 (330 x 140 / 216 x 69 x 2)
- Size - Drive/Caster: 18 x 5.5 / 8.5 x 2.7 x 2 (468 x 140 / 216 x 69 x 2)

**Outline**
- Overall Collapsed Height: 36.5" (927 mm)
- Overall Extended Height: 60" (1524 mm)

**Weight**
- Weight: 3,600 lb (1,633 kg)
- Battery Compartment "E": 67.30 x 1709 mm
- Battery Compartment "F": 70.80 x 1798 mm

**Battery Compartment "E" Specifics**
- Battery Compartment "E" lb: 7079 lb (3211 kg)
- Battery Compartment "E" kg: 7198 lb (3265 kg)
- Battery Compartment "E" lb: 8635 lb (3917 kg)
- Battery Compartment "E" kg: 8849 lb (4014 kg)

**Units Conversion**
- **F" lb:** 8741 lb (3965 kg)
- **F" kg:** 8955 lb (4062 kg)

**Standard Units**
- **F" lb:** 8741 lb (3965 kg)
- **F" kg:** 8955 lb (4062 kg)

**Units Conversion**
- **F" lb:** 8741 lb (3965 kg)
- **F" kg:** 8955 lb (4062 kg)

**Contact Factory**
- Capacity may be subject to derating at height.
- Inside straddle is decreased .35" (9 mm) with Quick Change Load Wheels.
- Average speed is 205 fpm (1041 mm/s).
**Truck Width Chart**

<table>
<thead>
<tr>
<th>Min Weight/Max Amp-hrs</th>
<th>Load Add</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Battery</strong></td>
<td></td>
</tr>
<tr>
<td>52 1321</td>
<td>2.9</td>
</tr>
<tr>
<td>50 1270</td>
<td>2.9</td>
</tr>
<tr>
<td>48 1220</td>
<td>2.9</td>
</tr>
<tr>
<td>46 1168</td>
<td>2.9</td>
</tr>
<tr>
<td>44 1114</td>
<td>2.9</td>
</tr>
</tbody>
</table>

**Standard Connector**

<table>
<thead>
<tr>
<th>Battery Removal Type</th>
<th>Width (inches)</th>
<th>Battery Size</th>
<th>Trunk Width OD</th>
</tr>
</thead>
<tbody>
<tr>
<td>RM-2</td>
<td>36 (914)</td>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>RM-3</td>
<td>36 (914)</td>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>RM-4</td>
<td>36 (914)</td>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>RM-5</td>
<td>36 (914)</td>
<td>25</td>
<td>1</td>
</tr>
</tbody>
</table>

**Specifications**

**Capacity**

<table>
<thead>
<tr>
<th>Model</th>
<th>Battery</th>
<th>Load</th>
<th>Lift Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>RM-2</td>
<td>RM-3</td>
<td>RM-4</td>
<td>RM-5</td>
</tr>
</tbody>
</table>

**Batteries**

- Battery removal from right side of truck. Standard battery compartment colors for extraction with mechanized equipment.

**Standard Equipment**

- MonoLift® mast
- Crown’s Access 1 2 3 Comprehensive System Control
- 36 volt system
- AC Traction System
- AC Hydraulics with electronic power steering
- Regenerative Lowering
- OnTrac® Anti-Slip Traction Control
- Operator Compartment
  - Variable side stance
  - Flexible five-point positioning
  - Adjustable suspended seat, perch, backrest, and Multi-Task Control armrest
  - Adjustable steer tilt
  - Back support with integral footrest
  - Arm/leg support padding
  - Padded compartment lines for seats and backrests
  - Operator console with work surface and storage
  - Entry Bar™ safety switch
  - Suspended floor
  - 383 in² (974 cm²) floor area
  - 176 in² (150 cm²) upper footrest area
  - Premium urethane footwear cushioning
  - Work Assist® Mirror
  - Multi-task control handle
  - Crown display
  - Event code display with five flip key navigation
  - Hour meter/travel distance/stop watch
  - PIN Code access possible
  - Access 1 2 3 diagnostics
  - P1, P2, P3 performance tuning
  - Battery discharge indicator, steer wheel direction indicator, OnTrac® Traction Control indicator

**Optional Equipment**

- Xpress™ Lower
- Rack Height Select and Tilt Position
- Capacity monitor
- Camara and color monitor
- Motorized/complete hydraulics
- Lift Limit without override
- Lift slow down 12” (305 mm)
- Entry Bar™ system
- Quick Change bolt-on solutions
- Accessory clip pad
- Maintenance platform
- Quick Change bolt-on solutions
- Accessory clip pad
- Accessory pocket
- Organizer kit
- Console light

**Technical Information**

- Operator Compart: Soft, mounded surfaces form compartment interior more comfortably. Streamlined exterior smooths entry/exit for the operator. A low-floor, 9.07” (232 mm) first greets the operator. A 383 in² (974 cm²) floor area and patented suspended footwear provides comfortableness. No Class II trucks include a upper footrest area, 176 in² (150 cm²) with smart foot interfakes and brake control. Using these large, exclusive footrests can improve operator comfort. From the standing position, the ability to either leg to a footrest can reduce fatigue which increases productivity.
- The brake pedal design allows variable side stance positions for the operator. The operator can change positions to increase comfort and productivity.
- The B Class model offers a superior level of flexibility for the operator with an adjustable suspended seat, perch, backrest, armrest, control handle and steer tilt. The combination of these features lets the operator move from a standing, leaning or seated drive position. The stress of standing can be relieved by sitting and the stresses of sitting can be relieved by standing. By changing postures and using different sets of muscles, significant ergonomic, physiological and orthopedic benefits may result.
- Five-point positioning provides control and stability, starting with the right hand on the multi-task controller and the left hand on the steer wheel. The right foot on the brake pedal and the left foot on the presence sensor. The operator’s back is naturally fitted against the wrap-around support cushion. The Entry Bar™ safety switch with sensors to automatically slow truck travel, encourages safe foot positioning inside the truck.
- The multi-task controller 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 wheel with hydrostatic 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 and insulation from the compartment, and improved air paths through the truck.
- Clipboard surface and console storage pockets are standard.
**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 forklift 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.

**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.