



RM 6000 RMD 6000 SERIES

Specifications

Narrow-Aisle Reach Truck



RM 6000 Series

Specifications

General Information	1	Manufacturer		Crown Equipment Corporation
	2	Model		RM 6025
	3	Load Capacity*	Max	lb 4500
	4	Load Center	Fork Face to Load CG	in 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)
		Mast Type	High Visibility	MM
Dimensions	9	Lift Height		in See Mast Chart Below
	10	Guard Height		in See Mast Chart Below
	13	Forks	Standard L x W x T	in 36 x 4 x 1.75
			Optional Lengths	in 30, 39, 42, 45, 48
	14	Carriage	Tilt F°/B°	degree 3/4
	15	Headlength**	Compartment "C"	in 56.00
			Compartment "D"	in 57.80
			Compartment "E"	in 60.40
17	Overall Collapsed Height		in See Mast Chart Below	
18	Overall Extended Height		in See Mast Chart Below	
20	Inside Straddle Width***	In 1" increments	in 34 - 50	
Performance	24	Speed Travel	Power Unit First (E/L)	mph 8.0 / 7.2
			Forks First (E/L)	mph 6.8 / 5.7
	25	Speed Lift - AC †	Empty	fpm 160
			1000 lb	fpm 139
			2000 lb	fpm 121
			3000 lb	fpm 105
			3500 lb	fpm 98
			4000 lb	fpm 96
4500 lb	fpm 95			
26	Speed Lower	Empty/Loaded	fpm 110 / 110	
26a	Speed Xpress™ Lower	Empty/Loaded	fpm 110 - 240 / 110 - 240 ††	
37	Tires	Size - Drive/Caster	in 13 x 5.5 / 8 x 4	
Chassis	38	Wheelbase (Standard Wheel)	Compartment "C"	in 60.51
			Compartment "D"	in 62.28
			Compartment "E"	in 64.88
	39	Suspension	Drive	Articulated
			Caster	Articulated, Swivel
	42	Brakes	Drive	Elec Release / Mech Applied
Caster			None	
Parking			Elec Release / Mech Applied	

* Contact factory. Capacity may be subject to derating at height.

** Sideshift included.

*** Inside straddle is decreased .35" with Quick Change Load Wheels.

† Maximum lift speeds with the maximum available battery compartment.

†† Average speed is 205 fpm.

Mast Chart			TT - RM 6025								
Mast	9	Lift Height	192"	210"	240"	270"	300"	321"	341"	366"	400"
		Free Lift*	41	47	59	71	83	92	101	112	124
	10a	Guard Height- Top Front	89	95	107	107	107	107	107	107	107
	10b	Guard Height- Top Back	89	95	95	95	95	95	95	95	95
	11a	Flat Guard Height- Top	89	95	95	95	95	95	95	95	95
		Post Transition	80	86	86	86	86	86	86	86	86
	17	Overall Collapsed Height	89	95	107	119	131	140	149	160	172
	18	Overall Extended Height*	240	258	288	318	348	369	389	414	448
	Minimum Straddle OD	42	42	42	42	42	42	42	45	48	
Weight	Truck Weight w/o Battery		RM 6025								
	Battery Compartment	"C" lb	6323	6442	6610	6918	7179	7463	na	na	na
		"D" lb	6372	6491	6658	6967	7227	7512	7653	na	na
"E" lb		6411	6530	6698	7007	7267	7553	7692	7944	8155	

* With load backrest 48".

Note: Above 321", 6" high load wheel standard.

RMD 6000 Series

Specifications

General Information	1	Manufacturer		Crown Equipment Corporation
	2	Model		RMD 6025
	3	Load Capacity*	Max	lb 3200
	4	Load Center	Fork Face to Load CG	in 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)
Dimensions		Mast Type	High Visibility	MM
	9	Lift Height		in See Mast Chart Below
	10	Guard Height		in See Mast Chart Below
	13	Forks	Standard L x W x T	in 36 x 4 x 1.75
			Optional Lengths	in 30, 39, 42, 45, 48
	14	Carriage	Tilt F°/B°	degree 3/4
	15	Headlength**	Compartment "C"	in 60.90
			Compartment "D"	in 62.60
			Compartment "E"	in 65.30
	17	Overall Collapsed Height		in See Mast Chart Below
18	Overall Extended Height		in See Mast Chart Below	
20	Inside Straddle Width***	In 1" increments	in 34 - 50	
Performance	24	Speed Travel	Power Unit First (E/L)	mph 8.0 / 7.2
			Forks First (E/L)	mph 6.8 / 5.7
	25	Speed Lift - AC †	Empty	fpm 160
			1000 lb	fpm 139
			2000 lb	fpm 121
			3000 lb	fpm 105
	26	Speed Lower	Empty/Loaded	fpm 110 / 110
26a	Speed Xpress™ Lower	Empty/Loaded	fpm 110 - 240 / 110 - 240 ††	
37	Tires	Size - Drive/Caster	in 13 x 5.5 / 8 x 4	
Chassis	38	Wheelbase (Standard Wheel)	Compartment "C"	in 60.51
			Compartment "D"	in 62.28
			Compartment "E"	in 64.88
	39	Suspension	Drive	Articulated
			Caster	Articulated, Swivel
	42	Brakes	Drive	Elec Release / Mech Applied
Caster			None	
Parking			Elec Release / Mech Applied	

* Contact factory. Capacity may be subject to derating at height.

** Sideshift included.

*** Inside straddle is decreased by .35" with Quick Change Load Wheels.

† Maximum lift speeds with the maximum available battery compartment.

†† Average speed is 205 fpm.

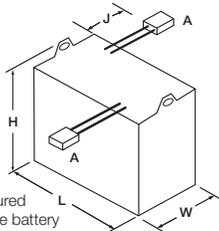
Mast Chart		TT - RMD 6025										
Mast	9	Lift Height	192"	210"	240"	270"	300"	321"	341"	366"	400"	
		Free Lift*	49	55	67	79	91	100	109	120	132	
	10a	Guard Height- Top Front	89	95	107	107	107	107	107	107	107	
	10b	Guard Height- Top Back	89	95	95	95	95	95	95	95	95	
	11a	Flat Guard Height- Top	89	95	95	95	95	95	95	95	95	
	11b	Post Transition	80	86	86	86	86	86	86	86	86	
	17	Overall Collapsed Height	89	95	107	119	131	140	149	160	172	
	18	Overall Extended Height*	232	250	280	310	340	361	381	406	440	
	Minimum Straddle OD	42	42	42	42	42	42	42	45	48		
Weight	Truck Weight w/o Battery		RMD 6025									
		"C" lb	6508	6627	6795	7104	7364	7650	na	na	na	
		"D" lb	6559	6678	6844	7154	7412	7699	7838	na	na	
		"E" lb	6599	6718	6885	7194	7454	7739	7878	8129	8343	

* To reach carriage with load backrest 36".

Note: Above 321", 6" high load wheel standard.

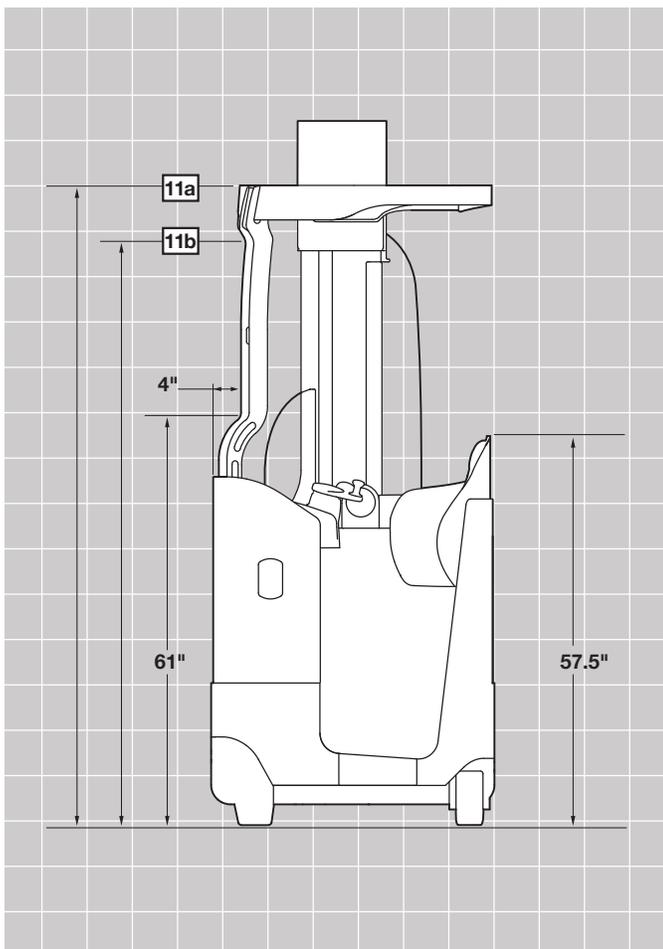
RM 6000 Series
RMD 6000 Series

Specifications

Battery	Battery Removal	Both Sides		
	45 Type	Lead Acid		
	46	Min Weight/Max Amp-hrs		
	 <p>* Width is measured on the side of the battery with lifting hooks</p>	"C" Battery Compartment- Up to 321"	lb/Ah	2000 / 930
		"D" Battery Compartment- Up to 341"	lb/Ah	2280 / 1085
		"E" Battery Compartment - ≤ 400"	lb/Ah	2600 / 1240
	Max Battery Size		L x W x H	
	"C" Battery Compartment	in	38.38 x 16.25 x 31	
	"D" Battery Compartment	in	38.69 x 18.00 x 31	
	"E" Battery Compartment	in	38.69 x 20.75 x 31	
Connector Location / Length (J)		A / 9"		
Standard Connector		SB350 Gray		

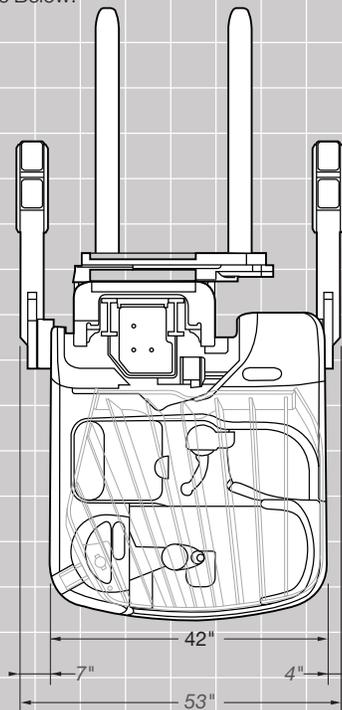
RM 6000 Series
RMD 6000 Series

Drive-in Rack Third Post
and Flat OHG Options



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.

The outriggers will be offset 1.5" to the left on all outrigger configurations except 42", 43" and 44" OD. These will be offset .25" to the left. See Example Below:



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

Capacity

Model RM 6025: 4500 lb at 24" load center, 36 volt

Model RMD 6025: 3200 lb at 24" 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 square inch 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" or 4", RMD-2")
15. Load backrest—RM-48", RMD-36"

16. Tilting fork carriage
17. Tandem articulating load wheels
18. Lift slow down 12" 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" 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" and 42" RMD- 42" and 48"
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. Strobe light
23. Console area light
24. Travel alarm
25. Keyless on/off switch
26. Corrosion/freezer conditioning (freezer

conditioning includes a 5/8" thick power unit skirt with extended coverage of the drive and caster tires)

27. ThermoAssist™ freezer comfort package
28. EE Rating
29. Load wheel sizes and compounds
30. Drive tire compounds
31. Reverse Steering
32. Short steer tiller
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"), first greets the operator. A 270 square inch floor and patented suspended floorboard provide comfortable footing.

The brake pedal design allows variable side-stance positions for the operator. The operator can change positions to increase comfort and productivity.

Five-point positioning provides control and stability, starting with the right hand on the multi-task controller and the left hand on the steer tiller. 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.

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 tiller 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 trouble-shooting.

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

OnTrac® Anti-Slip Traction Control

Crown's Access 123 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.

RM 6000 Series RMD 6000 Series

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.

Other Options

1. Audible travel alarm
2. Flashing lights

Safety considerations and dangers associated with audible travel alarms and flashing 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 your local Crown dealer.

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.



Crown Equipment Corporation

New Bremen, Ohio 45869 USA
Tel 419-629-2311
Fax 419-629-3796
crown.com

You can count on Crown to build lift trucks designed for safe operation, but that's only part of the safety equation. Crown encourages safe operating practices through ongoing operator training, safety-focused supervision, maintenance and a safe working environment. Go to crown.com and view our safety section to learn more.

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

Crown, the Crown logo, the color beige, the Momentum mark, Access 1 2 3, InfoLink, MonoLift, OnTrac, Work Assist, InfoPoint, Xpress Lower and ThermoAssist are trademarks of Crown Equipment Corporation. Other trademarks are property of their owners.

Copyright 2011-2012 Crown Equipment Corporation
SF18535 Rev 07/12
Printed in U.S.A.