

# RAILIFT™ SERIES

## The DMD Series

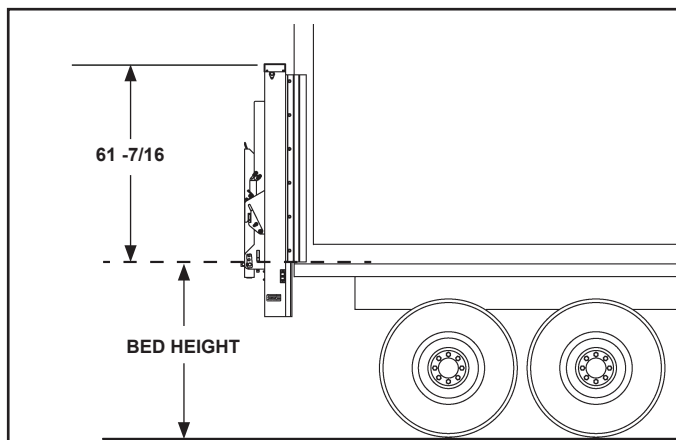
# MAXON®



## DMD GENERATION 2.0 SPECIFICATIONS

**The DMD is a medium-duty, fully hydraulic direct lift that utilizes a twin cylinder design to ensure efficient performance**

- The DMD Generation 2.0 features Aluminum columns paired with galvanized steel runners
- The DMD utilizes a unique twin cylinder lifting design that eliminates the maintenance costs associated with other chain or cable equipped liftgates
- The pump and motor assembly is housed within the liftgate's main structural enclosure
- The DMD features fully sealed switches and harnesses to protect them against corrosion
- All aluminum platforms
- MAX GRIP® and Cycle Counter standard



Load-Over Bedheights			
Two Piece Platform Plus 6" Ramp	Min Bed Height for loading over	Two Piece Platform Plus 12" Ramp	Min Bed Height for loading over
48" (30+18) + 6" fixed ramp	32"	42" (30+12) + 12" fixed ramp	32"
54" (33+21) + 6" fixed ramp	35"	48" (33+15) + 12" fixed ramp	35"
60" (36+24) + 6" fixed ramp	38"	54" (36+18) + 12" fixed ramp	38"
66" (39+27) + 6" fixed ramp	41"	60" (39+21) + 12" fixed ramp	41"
72" (42+30) + 6" fixed ramp	44"	66" (42+24) + 12" fixed ramp	44"

NOTE: Please review DMD liftgate installation manual for full vehicle and or body requirements to ensure proper fitment.

MODEL CAPACITY	BODY WIDTH	PLATFORM SIZE*	TOTAL WEIGHT	BED HEIGHT
DMD 18 1,800 LBS	96" 102"	<b>One-piece platforms:</b> 36", 42", 48" + 6" or 12"*** Fixed Ramp with optional Single or Dual Cart Stops or 9" Aluminum Retention Ramp or 39", 45" + 9" Fixed Ramp with Single or Dual Cart Stops	635 to 730 Lbs.	30" - 54"
DMD 22 2,200 LBS.		<b>Two-piece platforms:</b> 48" (30+18), 54" (33+21), 60" (36+24), 66" (39+27), 72" (42+30) + 6" fixed Ramp with optional Dual or Single Cart Stops		
DMD 33 3,300 LBS.		or 42" (30+12), 48" (33+15), 54" (36+18), 60" (39+21), 66" (42+24) + 12" fixed ramp with optional Dual or Single Cart Stops		
DMD 18** 1,800 LBS Power Closer		<b>One-piece platforms:</b> 48", 54", 60", 66", 72" + 12" fixed ramp with optional Single or Dual Cart Stops or 9" Aluminum Retention Ramp*** or 51", 57", 63", 69", 75" + 9" Fixed Ramp with Single or Dual Cart Stops	675 to 745 Lbs.	
DMD 22** 2,200 LBS. Power Closer		<b>Two-piece platforms:</b> 48" (30+18), 54" (33+21), 60" (36+24), 66" (39+27), 72" (42+30) + 6" fixed ramp with optional Single or Dual Cart Stops		
DMD 33** 3,300 LBS. Power Closer		or 42" (30+12), 48" (33+15), 54" (36+18), 60" (39+21), 66" (42+24) + 12" fixed ramp with optional Dual or Single Cart Stops		

\* Platform width for 96" body: 90"; 102" body: 96"

\*\* Units with hydraulic power closer have 1.25" less unobstructed opening.

\*\*\* 12" Fixed ramp only available on 36" and 42" platforms

\*\*\*\* Not on 48"



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## The DMD Series

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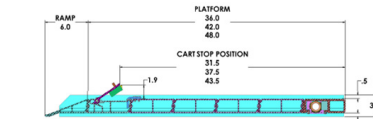
### Optional Equipment

- Domestic or Foreign Chassis Light Set Ups
- Cab Cut Off Switch
- Handheld Control
- Additional Street Side Control
- Backup Alarm Installation Kit
- Above Bed Travel
- Platform Hydraulic Power Closure\*

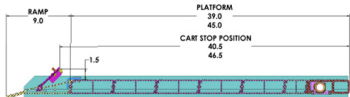
\*Note: large, single-piece platforms come with power closure standard; on other configurations power closure is optional

### Loadable Platform Space with Cart Stops Deployed

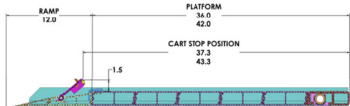
NEW DMD ONE PC PLATFORM WITH SINGLE OR DUAL CART STOP & 6" FIXED RAMP



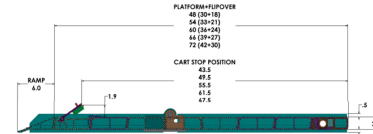
NEW DMD ONE PC PLATFORM WITH SINGLE OR DUAL CART STOP ON 9" RAMP



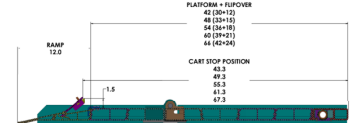
NEW DMD ONE PC PLATFORM WITH SINGLE OR DUAL CART STOP ON 12" RAMP



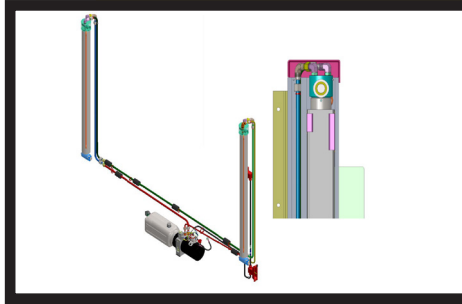
NEW DMD TWO PC PLATFORM WITH SINGLE OR DUAL CART STOP ON FLIPOVER WITH 6" FIXED RAMP



NEW DMD TWO PC PLATFORM WITH SINGLE OR DUAL CART STOP ON 12" RAMP



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### Effective Hydraulic System

Two direct-acting lifting cylinders. The master cylinder drives the second cylinder. The ultimate goal was to develop the most reliable medium-duty gate with the least need for maintenance



### Aluminum Columns / Galvanized Runners

The DMD 2.0 features extruded Aluminum columns and galvanized steel runners. This combination results in overall weight reduction, enhanced corrosion resistance, and increased performance.



### Pump and Motor Housing Options

The DMD's main pump housing is available in four different light configurations and also features a license plate holder and an optional back-up alarm install kit



### Corrosion Resistant Electrical System

The DMD features fully sealed switches and harnesses to protect them against corrosion



### Aluminum Platform w/ Cart Stop Option

The DMD features an all-Aluminum platform with optional single - or dual cart stops

M198-0120



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# RAILIFT™ SERIES

## The RCT Series

**MAXON®**



### Standard Equipment

- Hydraulic Closing Platform
- Steel Pump/Motor Enclosure
- Potted Toggle Switch
- Integrated Taillights
- 4-Step Paint Process

### Optional Equipment

- Auxiliary Hand Pump
- 150 Amp Circuit Breaker (No Charge Option)
- 102" Wide Body
- Hand Held Control
- Battery Pak (Auxiliary Batteries for Truck or Trailer Operation)
- Dual Pump Motor System (SOR Required)

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## RCT SPECIFICATIONS

**Until you need it, the RCT platform is stored below bed level and out of the way in the dock-ready position like a Maxon Tuk-A-Way®, eliminating the extra time to lower the platform for dock operations.**

- Large, low profile, level ride platform is ideal for pallet jack or cart operations
- Fully automatic operation that requires no manual folding or unfolding

MODEL CAPACITY	FOLDING PLATFORM
RCT-3 (3,000 Lbs.)	60" x 90" (30" x 30")*
RCT-4 (4,000 Lbs.)	

\* Represents depth of individual folding platform sections combined to complete total platform depth shown (i.e. 30" + 30" = 60" depth). The loadable space on the flip section is 87" for a 96" wide body and 93" for a 102" wide body at the narrowest point.

### HYDRAULIC SYSTEM

Modern design software and extensive testing was used to determine and achieve the optimum performance for the electro-hydraulic system. This resulted in reduced hydraulic pressure and ampere draw, which increased the life of all electrical components by 33%.

### AUTOMATIC LOCKING MECHANISM

Because simple operation is important in all Maxon designs, the RCT automatically locks in the stowed position, requiring no additional operator effort.

### BUILT-IN INTEGRATED TAILLIGHTS

Maxon's below bed storage feature of the RCT is made possible by our exclusive taillight assemblies. These sealed lights are supplied at no additional cost, and include a license plate light.

### Enables Seamless Cargo Transition

Because the RCT is designed to be used in multi-stop dock loading applications, Maxon has engineered the threshold and platform surface to be flush and continuous. This eliminates the gaps common between liftgate components which demand the need for dock loading ramps when loading or unloading wheeled loads.

M119-0420



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# RAILIFT™ SERIES

## The RC Series

**MAXON®**



## RC SPECIFICATIONS

**Heavy-duty, low profile, level ride railgates are designed to handle today's most demanding distribution requirements. Fleets have loved the RC Railift™ for over 30 years because of its rugged design, reduced maintenance costs, and technical simplicity.**

- Fully Automatic Platform Closer – You Choose either the Cam-Closer for simplicity, or the Hydraulic Closer for push-button convenience
- Versatile design allows platforms to be lowered below bed height for easy dock loading
- Full width folding platform models are available up to 84" deep and 96" wide
- Easily handles palletized or cart loads
- Lifting capacities are available from 2,000 Lbs. to 6,000 Lbs.

MODEL (CAPACITY)	RIGID PLATFORM* (DEPTH X WIDTH)	FOLDING PLATFORM*		
		66" X 90"	72" X 90"	84" X 90"
RC-2 (2,000 LBS.)	42" X 90"	N/A		
RC-3 (3,000 LBS.)		*42"+24"	42"+30"	N/A
RC-4 (4,000 LBS.)	N/A			
RC-5 (5,000 LBS.)	*42"+42" + 16" ARR			
RC-6 (6,000 LBS.)		N/A		

\* Clear openings for Cam Closer and Hydraulic Closer on the RC units.

### GATE WIDTH

	96"	102"
CAM CLOSER UNIT	82.5"	88.5"
HYDRAULIC CLOSER UNIT	86"	92"

Platform widths for 96 wide vehicles are 90" wide, for 102" wide vehicles are 96" wide platforms.

NOTE: Please review appropriate liftgate installation manual for full vehicle and or body requirements to ensure proper fitment.

**Wide Cargo Users**  
Please note the matrix  
showing clear openings



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# RAILIFT™ SERIES

## The RC Series

**MAXON®**

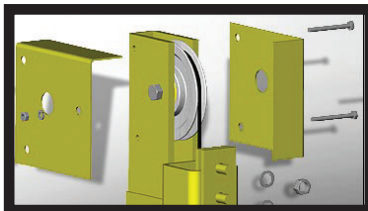
### Standard Equipment

- Steel Pump and Motor Enclosure
- Potted Toggle Switch Control
- State-of-the-art MaxPro® Paint Process

### Optional Features

- 5 Ramp Options:
  - 12" Fixed
  - 12" Folding
  - 16" ARR
  - 12" with Single CS
  - 12" with Dual CS
- Auxiliary Hand Pump
- Battery Pack
  - Truck
  - Trailer
- Remote Control Hand-Held Switch
- Removable Liftgate/Removable Fixture Option
- 102" Trailer (96" Platform Width)
- Hydraulic Closing Platform
- Special Platform Sizes (Contact Factory)
- Optima AGM Batteries
- Dual Pump & Motor System (Special Order Option)

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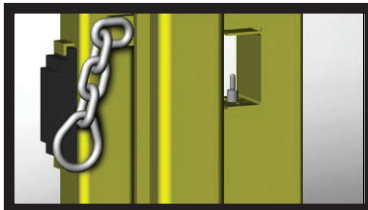
### ROLLER BEARINGS ON BOTH ENDS OF RUNNERS

MAXON uses steel roller bearings at both ends of the runner for maximum efficiency and reliability. Similar to steel-wheeled roller skates, they reduce friction by rolling the load instead of sliding it.



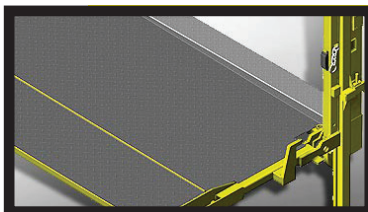
### EMERGENCY CABLE BRAKE

Every has built-in Emergency Cable Brakes as backup systems to the lifting mechanism. If tension is lost on the lifting cables, the brakes engage instantly and automatically to stop and hold even a fully laden platform.



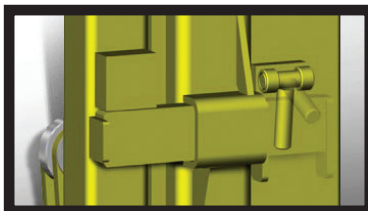
### SINGLE SWITCH OPERATION

MAXON's single cylinder/single valve operation allows the use of an extremely simple electrical system. The single Potted Toggle Switch is environmentally sealed, and is placed in the column so that the operator can reach it easily from the ground or while riding on the platform.



### HEAVY-DUTY PLATFORM SUPPORTS

RC platforms are very strong and are designed to resist bending or deflection. The platform's strength is due to 4" wide structural support tubes that are welded under the platform. This is especially important when heavy cargo loads are delivered on wheeled carts or pallet jacks.



### SLIDE LOCK PLATFORM RETAINERS

MAXON uses positive locking structural slide blocks to retain the platform from lowering while in transit. They are quick and convenient for the operator, and never need replacing with normal use.

### HI-FLEX 40 STRAND WIRE ROPE & ALUMINUM SHEAVES

Ultra flexible 40 strand wire ropes are self-lubricating and offer extended life when used with our lightweight, cast aluminum sheaves.

### SIDE CHAINS ON FOLDING PLATFORMS

MAXON's side chains have "memory", so they give on impact and bounce right back without permanent distortion. They are not subject to damage from impact at docks or from cargo, and come with a LIFETIME REPLACEMENT GUARANTEE.

### SINGLE CYLINDER OPERATION WITH CAM CLOSER

The original patented RC design uses a single hydraulic cylinder and MAXON's exclusive cam closer (with side chains on folding platforms). The simplicity of the single cylinder design translates directly into immediate and on-going cost savings on installation time, reduced maintenance and high reliability.

M-100-0917



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# GAS BOTTLE SERIES

## The RC-CS Series

# MAXON®



## RC-CS SPECIFICATIONS

**Available in 3,000 lbs. and 4,000 lbs capacities and a variety of platform sizes, the RC-CS Series, with its integrated cylinder securing system, offers the most standard feature of any liftgate in its class.**

- Simplified Hydraulics
- 4-steps Paint Process
- Single Toggle Switch Control
- Automatic Fold Retention Railing
- Fold Down Railing for Dock Loading

### Standard Equipment

- Steel Pump and Motor Enclosure
- Marine Style Electrical Toggle Switch
- Fold-Down Railing
- 12" Hinged Ramp

### Optional Equipment

- Auxiliary Hand Pump
- 150 Amp Circuit Breaker (No Charge Option)
- Battery Pak
- Hydraulic Closing Platform
- Cab Cut Off Switch

### EASY-REACH CAM FOLLOWER HANDLE

Positioned outside the platform structure, within easy reach of the operator, the new Cam Follower Handle allows the operator to easily engage the platform folding mechanism.

### FOLD-DOWN RAILING

The RC-CS "Fold-Down Railing" is designed to fold out of the way when loading or unloading at dock facilities. This standard feature nearly doubles the rear vehicle access space and allows the operator to load or unload in less time.

### HYDRAULIC SYSTEM

Computer Technology was used to determine and achieve the optimum performance for the electro-hydraulic system. This resulted in reduced hydraulic pressure and ampere draw, which increased the life of all electrical components by 33%.

### Distributed by:

M-105-0221

MODEL CAPACITY	OVERALL WEIGHT	PLATFORM SIZE	RETENTION RAMP HEIGHT	BED HEIGHT (For Dock Loading)
RC-CS-3 (3,000 LBS.)	1375 Lbs.	24" x 90"	12" Hinged	30" Min. - 56" Max.*
	1,465 Lbs.	36" x 90"		39" Min. - 56" Max.*
RC-CS-4 (4,000 LBS.)	1,680 Lbs.	42" x 90"		45" Min. - 56" Max.*

### RETENTION RAILING

Engineered as an integral part of the platform structure, the RC-CS Series retention railing folds and unfolds automatically, requiring no operator assistance.

### ALUMINUM SHEAVES

Long wearing aluminum sheaves are gentle to the wire rope and greatly decrease wear and increase component life compared to the usual cast steel designs.

### LONG LIFE WIRE ROPES

High flex wire ropes are designed for use with aluminum sheaves for up to 3 times longer life than cast steel designs.



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