

**MacDon**<sup>®</sup> *The Harvesting Specialists.*



**Full Line Brochure**

## Harvesting performance.

MacDon is a world leader in technology, innovation, and manufacturing of high-performance harvesting equipment. Our products are distributed and supported worldwide from offices in Canada, the United States, Australia, Russia, and Brazil. Our relentless pursuit for improvement is driven by the desire to make harvesting easier and more productive for farmers.

We work directly with producers and custom harvesters like you to design, develop, and test our machines in the most demanding field conditions around the world. That's our way of ensuring that your MacDon-built equipment will deliver worry-free harvesting performance. We are proud of our worldwide reputation of excellence and take our position as the Harvesting Specialists seriously because at the end of the day, our equipment is harvesting the crops that help producers feed the world.



**MacDon**® *The Harvesting Specialists.*

### **MacDon Industries Ltd.**

680 Moray Street  
Winnipeg, Manitoba, Canada R3J 3S3  
t. (204) 885-5590 f. (204) 832-7749

### **MacDon, Inc.**

10708 North Pomona Avenue  
Kansas City, Missouri, United States 64153-1924  
t. (816) 891-7313 f. (816) 891-7323

### **MacDon Australia Pty. Ltd.**

A.C.N. 079 393 721  
P.O. Box 103 Somerton, Victoria, Australia 3062  
54 National Boulevard, Campbellfield, Victoria, Australia 3061  
t. +61 3 8301 1911 f. +61 3 8301 1912

### **MacDon Brasil Agribusiness Ltda.**

Rua Grã Nicco, 113, sala 202, B. 02  
Mossunguê, Curitiba, Paraná  
Brasil CEP 81200-200  
t. +55-41-2101-1713 f. +55-41-2101-1699

### **LLC MacDon Russia Ltd.**

123317 Moscow, Russia  
10 Presnenskaya nab, Block C  
Floor 5, Office No. 534, Regus Business Centre  
t. +7 495 775 6971 f. +7 495 967 7600



[Facebook.com/MacDonIndustriesLtd](https://www.facebook.com/MacDonIndustriesLtd)



[Twitter.com/@MacDonMarketing](https://twitter.com/@MacDonMarketing)



[Youtube.com/MacDonVideos](https://www.youtube.com/MacDonVideos)





# CONTENTS

## WINDROWERS & HEADERS

M Series Windrowers	4-9
D Series Draper Headers (Windrower)	10-13
R Series Rotary Disc Headers	14-17
A Series Auger Headers	18-19

## HEADERS FOR COMBINE

D Series Draper Headers (Combine)	20-25
FD Series FlexDraper® Headers	26-29
PW8 Pick-Up Headers	30-31

## PULL-TYPES

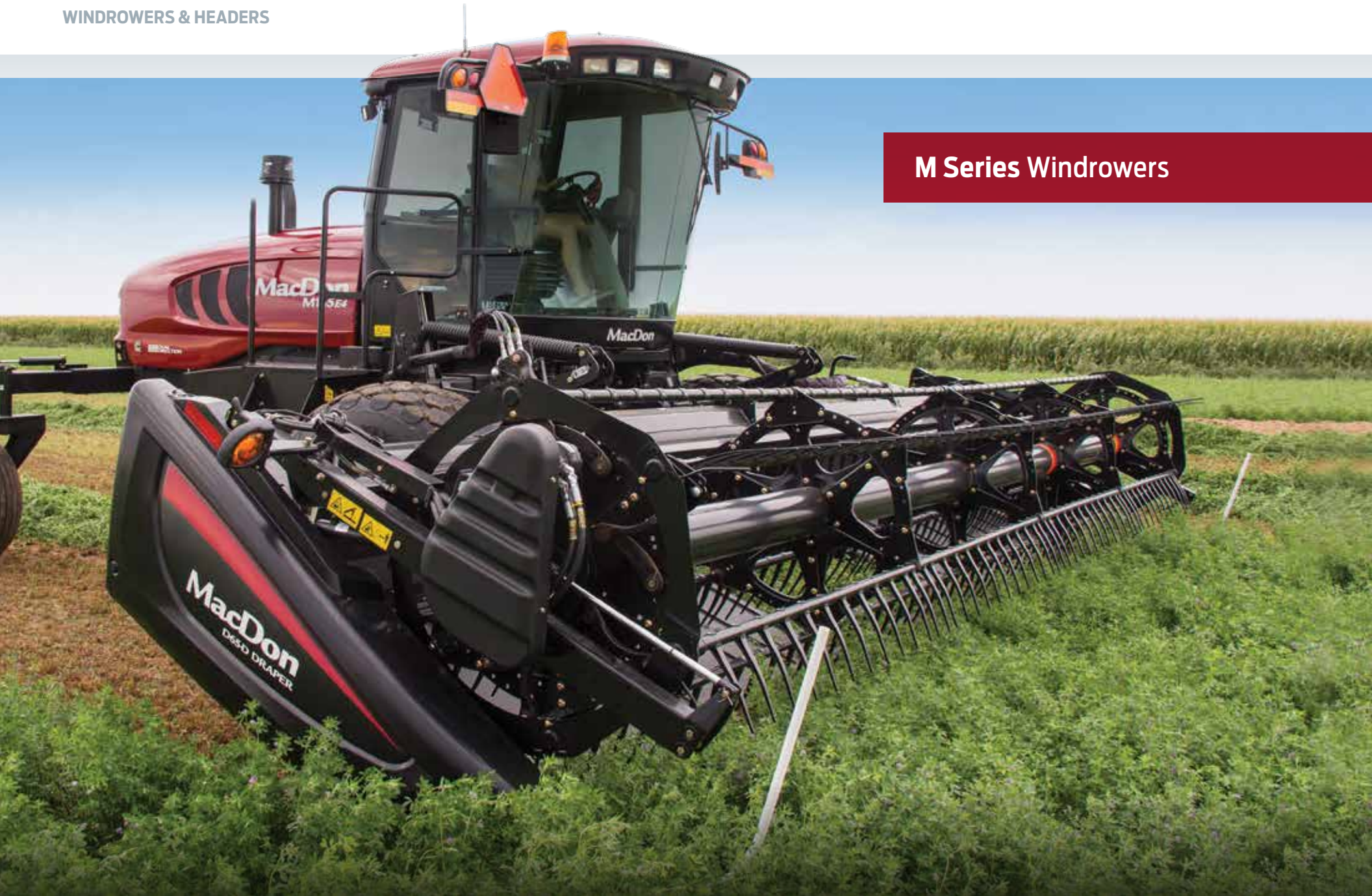
R1 Series Pull-Type Disc Mowers	32-35
---------------------------------	-------

## SPECIFICATIONS

Product Specifications	36-38
------------------------	-------



M Series Windrowers





## Clean and mean.

MacDon approached the Tier 4 emission regulations the same way it approaches everything... by delivering the best possible performance package to our customers. The new M155E4 Self-Propelled Windrowers go above and beyond to bring you the harvesting performance you rely on from MacDon.

### A TIER 4 WITHOUT COMPROMISE

**More Power:** With 155 HP tuned for performance to handle fluctuating loads in less-than-ideal harvesting conditions.

**Better Fuel Economy:** A highly efficient engine with diesel exhaust fluid (DEF) consumption as low as 3% of fuel. Our DEF tank has been sized to provide up to 75 hours of use between fills.

**Proven Reliability:** A proven Cummins engine with single turbo delivers reliable performance you can count on.

**Less Complicated:** Our Tier 4 diesels have no Diesel Particulate Filter (DPF) making this a low maintenance Tier 4 system.

**Less Noise:** Our new Tier 4 engines run smoothly and quietly.

### 5 YEAR (3000 HOUR) TIER 4 COMPONENT WARRANTY

Our 5 Year (3000 hour) parts and labour Tier 4 component warranty covers: Exhaust canisters and related wiring, after-treatment piping, clamps, the DEF system, and the charge air cooler.

### B COOL RUNNING

A new, larger radiator and fan keeps things cooler under the hood, increasing the overall engine efficiency and decreasing fuel consumption. Cooler hydraulics put less of a strain on the system, improving its reliability for the long-term.

### C MORE STANDARD EQUIPMENT

The Hydraulic Center Link and Warning Beacons come standard on all M155E4 Windrowers. The Hydraulic Center Link allows for on-the-go adjustments of the header angle, allowing you to instantly adapt to changing field conditions for optimal performance.



## Outstanding windrower performance.

MacDon continues its tradition of speed and innovation in windrower performance. We've got you covered for all your windrowing needs. A quick header switch takes you from draper to rotary to auger. And thanks to MacDon's patented Dual Direction® technology, you'll go from field speeds of up to 16 mph (26 km/h) to road speeds of up to 23 mph (37 km/h). Comfort features, combined with MacDon reliability, keep you cutting all day long, harvest after harvest.

### A CUMMINS POWER

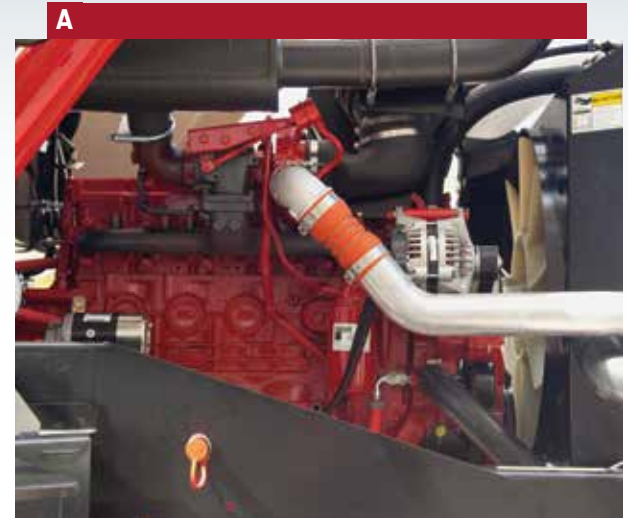
M Series Windrowers run on the proven reliability of Cummins engines. The M205 boasts a Tier 3, 6.7L, (409 cu in), 6 cylinder, turbo, rated at 220 HP. The M155E4 is equipped with a Tier 4 Final, 4.5L (275 cu in), 4 cylinder, turbo, rated 155 HP @2200 rpm. Both are powerful enough to run a 40' draper header while still being fuel-efficient. Our Intermediate Speed Control (ISC) allows header functions to operate at full power with reduced RPM, increasing fuel savings without compromising performance. Best of all, our Cummins engines come with a 2 year / 2000-hour warranty.

### B FASTER IN AND BETWEEN FIELDS

Thanks to MacDon's patented Dual Direction®, you can switch to road travel mode in seconds and travel at speeds of up to 23 mph (37 km/h). In most cases, there's no need to detach the header, saving you time and labour when moving from field to field. Wide D Series Draper Headers can be easily transported with MacDon Windrowers using our Slow Speed Transport system. The Slow Speed Transport also allows you to tow your D Series Draper using a pickup-truck. Either way, you'll be spending less time in transport and more time cutting.

### C EXCEPTIONAL CROP CLEARANCE

The M Series frame features a wide wheel stance and an unobstructed, unmatched 45.7" (1160 mm) below-frame clearance, ideal for cutting thick, bushy crops.



### M SERIES POWER

M155E4	155 HP (116 kW) @2200 rpm
M205	220 HP (172 kW) @2200 rpm







B



 DUAL  
DIRECTION®





**E INCREASED COMFORT MEANS INCREASED PRODUCTIVITY**

MacDon's Ultra Glide® cab has a four-corner independent gas shock suspension system featuring stabilization to prevent cab roll for the smoothest ride you've ever had in a windrower. The cab's forward design and curved glass provides unmatched visibility of the cutterbar and field conditions. The ergonomic cab design is ideal for operator comfort and control, reducing operator fatigue to keep you cutting all day long.

**F THE CUTTING CONTROL OF HARVEST MANAGER PRO**

M Series Windrowers come with a fully computerized monitoring and header control system, providing real-time readouts of the header's cutting performance and other critical information. You'll enjoy simple, intuitive fingertip control of all header functions, including MacDon's popular "Return-to-Cut" feature, which returns the header to its previous cut settings after it has been lifted.

**UNPLUG ON THE GO**

MacDon's optional Hydraulic Header Reverser lets you easily unplug any bunching that may occur with an auger header or unplug the knife on a draper header without leaving the comfort of the operator's seat.

**G EASY MAINTENANCE**

All regular engine and hydraulic maintenance points are within easy reach, thanks to MacDon's patented movable rail platform. The cooling system easily slides and swings out for fast cleaning, and your tools are kept nearby in the large easy access tool box.





6



SPECIFICATIONS PAGE 36





D Series Draper Headers (Windrower)



## When the going gets tough, the tough keep cutting.

Low podding, downed, tangled, or lodged crops. Whatever the situation, MacDon D Series Draper Headers deliver outstanding harvesting performance. Straight cutting or windrowing, the D Series is a true multi-crop harvesting solution, perfect for harvesting cereals, oil seeds, grass seeds, or beans. With MacDon's HC10 Hay Conditioner, this draper can handle up to 30' (9.1m) of hay and forage crops in one pass. This "can-do" attitude delivered with MacDon reliability and performance is the reason MacDon Draper Headers are a great fit for so many of today's operations.

### **A** AMAZING REEL PERFORMANCE

MacDon's patented pick-up reel has been engineered to deliver outstanding performance. The unique movement of the reel confidently picks up and gently places crop onto the draper. Along with 4 cam positions, header tilt control, and fore-aft reel positioning, this reel can be adjusted to meet the toughest harvesting challenges.

### **B** ADVANCED DRAPER TECHNOLOGY

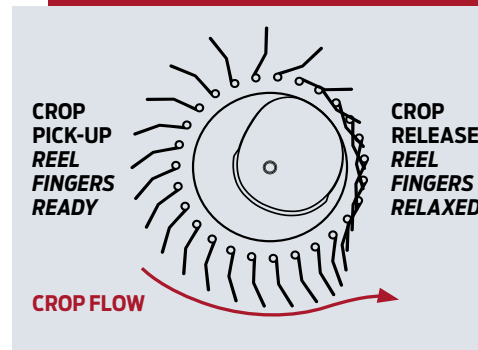
MacDon's draper system features heavy-duty drive components designed to handle the heaviest crop loads. Large capacity motors and tungsten carbide ribs on the steel drive rollers provide serious conveying power. The double-V guides keep the drapers tracking perfectly and make them reversible for twice the amount of in-field use.

### **C** A CONSISTENTLY CLOSE SHAVE

MacDon's patented C-shaped, low-profile cutter bar design allows ground-level cutting for the most consistently close shave of your fields. Featuring the proven reliability of MacDon's Wobble Box knife drive, the self-contained hydraulic system gives you more control with an optional knife reverser and standard knife speed control that can be adjusted on-the-go to match harvesting conditions.



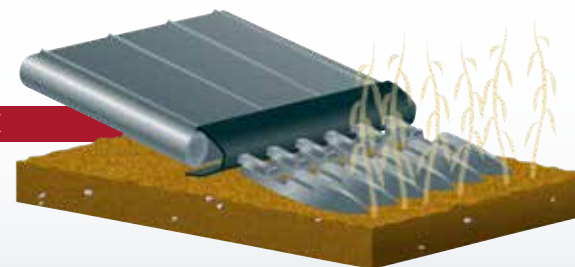
**A**



**B**



**C**



### **D EXCELLENT FOR HAY AND FORAGE (A MULTI-CROP HARVESTING SOLUTION)**

MacDon's optional HC10 Hay Conditioner transforms D Series Headers into high-performance hay and forage harvesting machines. Add on MacDon's optional Double Windrow Attachment to place up to three passes of the header into a single windrow. This translates into significant time and fuel savings.

### **E SELF-CONTAINED TRANSPORT**

Our Slow Speed Transport package allows you to tow your D Series Header at up to 23 mph (37 km/h) with your MacDon Windrower. This option also adds the advantage of spring-loaded stabilizer wheels for in-field use, which help stabilize the ends of the header as it works its way through the field.

### **F MORE PERFORMANCE OPTIONS**

**Upper Cross Auger:** Attached in front of the back tube, the upper cross auger improves the feeding of the crop to the center in heavy, bushy, and high volume crop conditions.

**Cutterbar Wear Plate:** For wet harvesting conditions with soft ground, these poly skids guide the cutterbar over the field, reducing mud build-up.

**Stub Guards:** Stub guards mount directly to the cutterbar to improve cutting performance in tough, stringy grass-type crops and for crops that need to be cut close to the ground.

**CA25 compatibility:** Use your D Series header for both Windrow and Combine applications with the addition of our CA25 combine adapter. *(See page 22 for details)*







[SPECIFICATIONS PAGE 38](#)





R Series Rotary Disc Headers



# Make hay!

When it comes to rotary disc headers it's all about speed, precision, and durability. And that's exactly what you get with MacDon R Series Rotary Disc Headers. Cut alfalfa at speeds up to 16 mph (26 km/h), power through 12' (3.6 m) sudan grass or 20 ton/acre heavy winter forage. Our strong frame and outstanding spring flotation system allows you to run the machine fast over rough terrain while maintaining a smooth, clean cut. With the addition of MacDon's Double Windrow Attachment, you can place up to 48' (14.6 m) of well-conditioned crop into a single windrow by combining three 16' (4.9 m) windrows. Altogether, that's MacDon performance you can rely on to get the job done in record time.

## **A** CLEAN CUT

The key to a clean disc cut is pairing a flat cutterbar angle with a low profile. The R85 has been engineered with both. Combined with a strong frame and an excellent spring flotation system, this machine can run fast over rough and uneven terrain while maintaining a consistently clean cut.

## **3 YEAR CUTTERBAR WARRANTY**

This cutterbar is backed by MacDon's 3 Year Cutterbar Warranty. That's our way of ensuring worry-free harvesting performance.

## **IMPROVED CAPACITY AND CROP HANDLING**

The R85's discs run in an optimized disc rotation pattern. The 5 crop stream promotes better crop flow in thick and tangled crop. Working together with the crop accelerators and an efficient overshoot auger means serious cutting capacity and improved windrow formation in tough conditions and high-volume crops.

## **B** SERIOUS CONDITIONING

R Series headers are equipped with wide steel on steel rolls (118"/3000 mm). These wide rolls increase the amount of crop contact, improving crimping performance and ensuring thorough conditioning of the plant stem. These conditioning rolls also feature an "N" bar profile, which more aggressively pulls crop away from the cutting discs and assists with overall capacity.





### **D BUILT TOUGH FOR DURABILITY**

Our engineers have substantially strengthened the R Series header frame by making sure the top link, lower lift arms and all header parts are anchored or bolted to sturdy frame members. The replaceable inner skin on the access hoods helps reduce damage to the outer cover for improved resale value.

### **OVERLOAD PROTECTION**

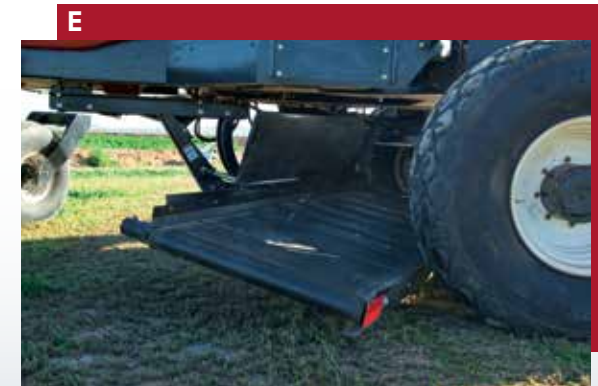
Each of the discs on the R Series cutterbar features a shear key designed to shear if the disc comes into contact with an object large enough to stop its movement. This prevents any serious damage to the cutterbar, and the key can be replaced in the field, which means operators can quickly get back to cutting.

### **EASY MAINTENANCE**

Operators will appreciate the lower maintenance requirements. Our disc system has fewer moving parts than mechanical drive designs, and greasing happens at 25- and 50-hour intervals.

### **E DOUBLE WINDROW ATTACHMENT**

MacDon's Double Windrow Attachment allows you to place up to 48' (14.6 m) of crop into a single windrow by combining three 16' (4.9 m) conditioned windrows. It's ideal for today's large forage harvesters, adding this option can translate into significant time and fuel savings in the field.







SPECIFICATIONS PAGE 36



**A Series Auger Headers**





## Tried, tested, and true performance.

A clean cut, smooth flow, and excellent conditioning, that's what you get from MacDon A Series Auger Headers. Like all MacDon harvesting machines, the A Series is designed to perform in the toughest conditions while providing exceptional durability. From the heavy-duty cutterbar, to the cast housing of the dual Wobble Boxes and rugged internal components of the knife drive system, the A Series is a commercial quality machine that high-acreage producers rely on to deliver proven harvesting performance and reliability.

### **BUILT TOUGH TO DELIVER A CLEAN CUT**

We've made the cutterbar exceptionally strong, with its Z-shaped profile and rectangular reinforcements. With a cast housing for the dual Wobble Boxes and rugged internal components of the knife drive system, the A Series delivers a consistent clean cut in a wide range of crop conditions.

### **SMOOTH CROP FLOW**

On-the-go adjustment for the hydraulic drive reel, sickle, auger, and conditioner, allows the operator to be in full control of all aspects of hay and forage harvesting from the operator's seat. Crop flow happens smoothly, even under adverse conditions, thanks to the combination of MacDon's poly feed pan design, progressive feed paddles, and stripper bar arrangement.

### **A SERIOUS CONDITIONING**

A Series Auger Headers are equipped with wide conditioner rolls for increased crop contact, improving crimping performance and ensuring thorough conditioning of the plant stem. The steel-on-steel inter-meshing roll design helps retain leaves, which is important for high protein values and making high-quality feed.

### **B DOUBLE WINDROW ATTACHMENT**

MacDon's Double Windrow Attachment (DWA) allows you to place up to 54' (16.45 m) of crop into a single windrow by combining three 18' (5.5 m) conditioned windrows. Ideal for today's large forage harvesters. Adding this option can translate into significant time and fuel savings in the field.



**SPECIFICATIONS PAGE 37**



**D Series Draper Headers (Combine)**





## Any crop, any condition.

Low podding, downed, tangled, or lodged crop; whatever the situation, MacDon D Series Draper Headers deliver outstanding harvesting performance. Whether you're straight cutting or windrowing, the D Series is a true multi-crop harvesting solution perfect for harvesting cereals, oil seeds, grass seeds, and beans. This "can-do" attitude, delivered with MacDon reliability and performance, is the reason MacDon Draper Headers are a great fit for so many of today's operations.

### A TRUE MULTI-CROP HEADER

MacDon's D Series Draper Headers are designed to fit on all major brand combines using the CA25. They can also be used with MacDon M Series Windrowers for swathing canola, forage, and other specialty crops.

#### PRODUCT HIGHLIGHTS:

- MacDon's Active Float System keeps our headers true-to-the-ground with minimal ground pressure allowing for an even cut every time.
- On-the-go control of ground pressure, height, cutting angle, and reel positioning.
- The patented flip-over action of our reel promotes smooth even crop flow.
- Tight draper seals help prevent debris build-up and downtime.
- The proven durability of MacDon's Wobble Box knife drive.
- Standard knife reverser and draper speed adjustment keep you in full control of your harvest.
- MacDon Draper Headers are designed to fit on all major brand combines. This multi-brand compatibility, along with MacDon's performance reputation, means your investment will hold its value until it's time to upgrade.



SPECIFICATIONS PAGE 38



## Incredible draper performance.

Most combine headers perform well in perfect harvesting conditions, but when was the last time you had perfect harvesting conditions? MacDon Flex and Rigid Draper Headers are designed to maximize productivity in the most challenging harvest conditions. From our Active Float System, which keeps our headers true-to-the-ground, to the outstanding performance of our reel, MacDon combine drapers are built tough to deliver worry-free harvesting performance in any crop, in any condition.

### A ACTIVE FLOAT SYSTEM

Two sets of coil springs on the CA25 support up to 97% of the header weight. This allows for instant float response of our headers over rolling and uneven terrain. The Active Float provides 4.8° of lateral float and 7" (178 mm) of vertical float independent of the combine feeder house. This prevents the header from getting caught up in bumpy fields, which leads to uneven cutting and unnecessary dirt ingestion. MacDon's Active Float System keeps headers true-to-the-ground for an even cut every time.

### B A CONSISTENTLY CLOSE SHAVE

MacDon's patented C-shaped cutter bar design allows ground level cutting and a consistently close shave of your fields. It features the proven reliability of MacDon's Wobble Box knife drive.

### C AMAZING REEL PERFORMANCE

MacDon's patented pick-up reel has been engineered to deliver outstanding performance. The unique movement of this reel and the reel fingers confidently picks up and gently places crops onto the drapers. Along with 4 cam positions, header tilt control, and fore-aft reel positioning, this reel can be adjusted for the toughest harvesting challenges.

### D ADVANCED DRAPER & SEAL TECHNOLOGY

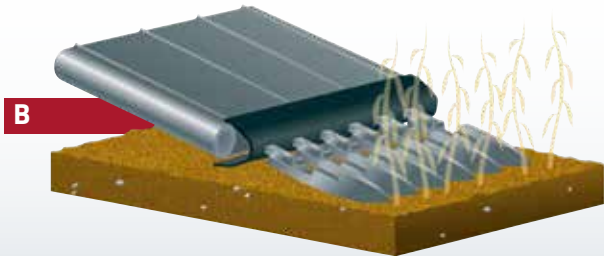
MacDon's draper system features heavy-duty drive components designed to handle the heaviest crop loads. The V-guide draper tracking system keeps the drapers tracking perfectly, moving the crop quickly and constantly across the drapers. MacDon double V-guide drapers are reversible for twice the amount of in-field use.

CA25

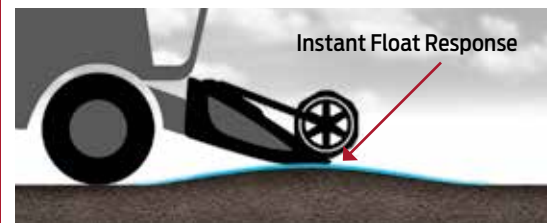


#### LATERAL & VERTICAL FLOAT

HEADER SIZE	LATERAL FLOAT (@ 4.8°)
30' (9.1 m)	16" (411 mm)
35' (10.7 m)	20" (505 mm)
40' (12.2 m)	21.5" (549 mm)
45' (13.7 m)	24" (617 mm)



**A** *The Active Float System of the MacDon CA25 responds instantly to changing ground conditions, which means you'll keep cutting crop, not pushing dirt.*









**ON-THE-GO CONTROL**

Automatic Header Height controls allow the operator to choose ground pressure, cutting height, and header tilt from the operator's seat. When used with the optional stabilizer wheels, it allows for automatic cut heights of 1-22 inches (30-560 mm).

**Cut Heights & Angle:**



*Cut Height Without Skid Shoes*  
1-2" (30-55 mm)

*Cut Height With Skid Shoes*  
1.5-5.5" (40-140 mm)

*Cut Height With Stabilizer Wheels*  
4.75-22" (120-560 mm)

**E SELF-CONTAINED TRANSPORT**

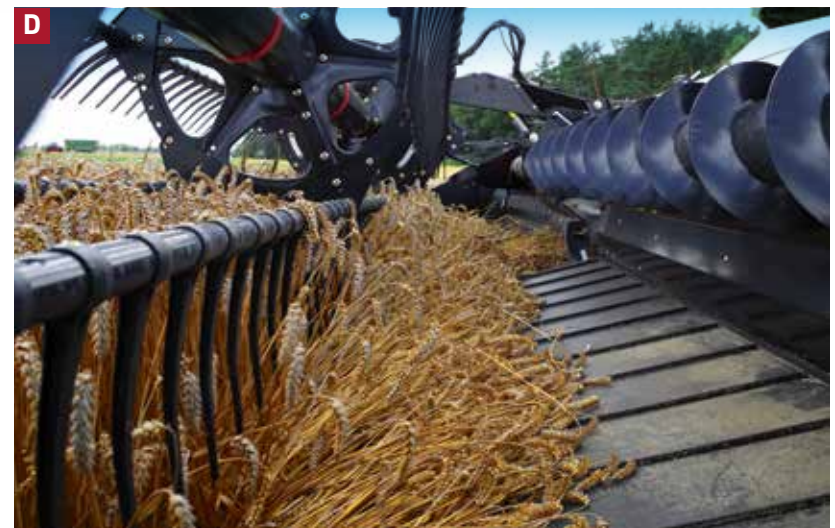
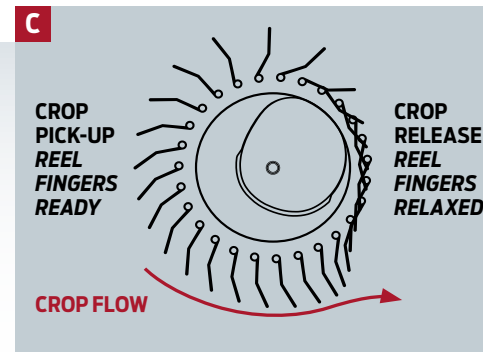
Our Slow Speed Transport package allows you to tow your D Series Header up to 25 mph (40 km/h). This option also adds the advantage of spring-loaded stabilizer wheels for in-field use, which help cushion the ends of the header as it works through the field.

**F MORE PERFORMANCE OPTIONS**

**Upper Cross Auger:** Attached in front of the back tube, the upper cross auger improves feeding of the crop to the center in heavy, bushy, and high-volume crop conditions.

**Cutterbar Wear Plate:** For wet harvesting conditions with soft ground, these poly skids guide the cutterbar over the field, reducing mud build-up.

**Stub Guards:** Stub guards mount directly to the cutterbar to improve cutting performance for tough, stringy grass-type crops and for crops that need to be cut close to the ground.









FD Series FlexDraper® Headers





## Imitated but never duplicated.

The original FlexDraper®, MacDon's FD75 continues to advance harvesting technology. It features a fixed reel-to-cutterbar relationship and the smooth, consistent, heads-first feeding that makes the FlexDraper® a harvesting performance legend. As the ultimate performance modification for your combine, this machine can significantly boost productivity in any crop and any harvesting situation. That's why more top producers and custom harvesters trust the FlexDraper® with their harvest.

### A TRUE MULTI-CROP HEADER

The FlexDraper® switches easily from flex to rigid applications with the quick flip of a lever. Harvesting cereals, oil seeds, beans and just about any crop in any condition makes the MacDon FlexDraper® a true multi-crop header.

### B FLEX-FLOAT TECHNOLOGY®

MacDon's Flex-Float Technology® is what makes the FlexDraper® perform so well. The flex advantage comes from a fixed reel-to-cutter bar relationship, and the float advantage comes from instant float response of the header. See the next page for more details.

#### PRODUCT HIGHLIGHTS:

- MacDon's Active Float System allows the header to conform to the ground with minimal ground pressure for an even cut every time.
- On-the-go control of ground pressure, cutting height and fore-aft header tilt.
- The patented flip-over action of our reel promotes smooth crop flow.
- Tight draper seals help prevent debris build-up and downtime.
- The proven durability of MacDon's Wobble Box knife drive.
- Adjustable sickle speed, knife reverser, and precise draper speed controls keep you cutting.
- MacDon Draper Headers are designed to fit on all major brand combines. This multi-brand compatibility, along with MacDon's performance reputation, means your investment will hold its value until it's time to upgrade your header.



SPECIFICATIONS PAGE 38

# FFT FLEX-FLOAT TECHNOLOGY®

Featuring MacDon Flex-Float Technology®, our FD75 FlexDraper® continues to advance harvesting innovation. Our flex advantage comes from a fixed reel-to-cutter bar relationship, which maintains a small gap between the reel fingers and cutterbar, while our float advantage allows for instant lateral and vertical float response over rolling and uneven terrain. The result of our Flex-Float Technology® is smooth, consistent, heads-first feeding that significantly boosts combine productivity. Here's how MacDon Flex-Float Technology® works:

## 1 REEL TO CUTTERBAR RELATIONSHIP

The MacDon FD75 FlexDraper® features a fixed reel-to-cutterbar relationship. A small critical gap between the reel fingers and the cutter bar is maintained at all times, even at extreme flex. This small gap ensures smooth, consistent, heads-first feeding of the crop over the entire width of the FlexDraper®.

## 2 ACTIVE FLOAT SYSTEM

Two sets of coil springs on the CA25 support up to 97% of the header weight, which allows for instant float response of the header over rolling and uneven terrain. In addition to the already amazing flex action of the FlexDraper®, the Active Float provides 4.8° of lateral float and 7" (178 mm) of vertical float independent of the combine feeder house. This prevents the header from getting caught up in bumpy fields, which leads to uneven cutting and unnecessary dirt ingestion. MacDon's Active Float System keeps our headers true to the ground for a nice, even cut and ensures smooth, consistent, heads-first feeding to the combine.





### 3 REEL PERFORMANCE

MacDon's patented pick-up reel has been engineered to deliver outstanding performance. The unique movement of this reel and the reel fingers confidently picks up and gently places crops onto the draper. Along with 4 cam positions, header tilt control, and fore-aft reel positioning, this reel can be adjusted to meet the toughest harvesting challenges and helps to deliver smooth, consistent, heads-first feeding of the crop to the combine.

### 4 TRUE GROUND FOLLOWING

The MacDon FD75 is a floating, three-section flexible header with a split reel. This allows the entire header frame, cutterbar, and reel to follow ground contours as a unit, flexing up to 10" (245 mm) on either end while maintaining a close reel-to-cutterbar relationship. This unique three-section design lets the FD75 FlexDraper® deliver smooth, consistent, heads-first feeding to the combine, even at extreme flex.



*See the FD75 FlexDraper® in action or watch set-up videos at [MacDon.com/Videos](https://www.macdon.com/videos)*



**PW8 Pick-Up Headers**





## Set it and forget it.

Our engineers worked hard to make the PW8 as user-friendly as possible. From easy installation to time saving innovations, it all adds up to harvesting performance you can count on. MacDon PW8 Pick-Up Headers are the smartest choice on the market.

### **A** SERIOUS PICK-UP CAPACITY IN ANY CROP CONDITION

A strengthened auger tube and robust chain drive allow the PW8 to easily handle high capacity loads. Both draper decks are run independently by hydraulic motors. The drapers are kept on track by MacDon's patented V-guide roller groove tracking system. Together, these systems allow the PW8 to process the heaviest swaths with ease.

### **ON-THE-GO CONTROL**

The PW8 works with the combine's Automatic Header Height and Lateral Tilt System.

### **B** SIMPLE ADJUSTMENTS

A simple draper tensioning system, easy-to-see draper tension indicators, and common all-metric hardware allow adjustments to be made in a flash.

### **DROP-AND-GO FLOAT PERFORMANCE**

Our simple and effective spring-over-shock floatation system provides a ground following 18" (45.7 cm) of wheel float, and requires no adjustment during operation or lockout during transport. Float indicator numbers are clearly visible on both sides of the machine, letting you know the PW8 is operating at an optimum float position.

### **BRAND COMPATIBILITY**

Switch combine brands with MacDon PW8 completion packages. These packages make it easy to switch between combine brands, which increases the resale value down the road.

### **C** GREAT SEED RETENTION

Tight draper connectors and seals, along with a deep overlap of front and rear draper decks ensure that more seed is making its way into the combine for better yields.

### **EASY MAINTENANCE**

Five 100-hour grease points make for quick and easy maintenance of this machine.



**A**



**B**

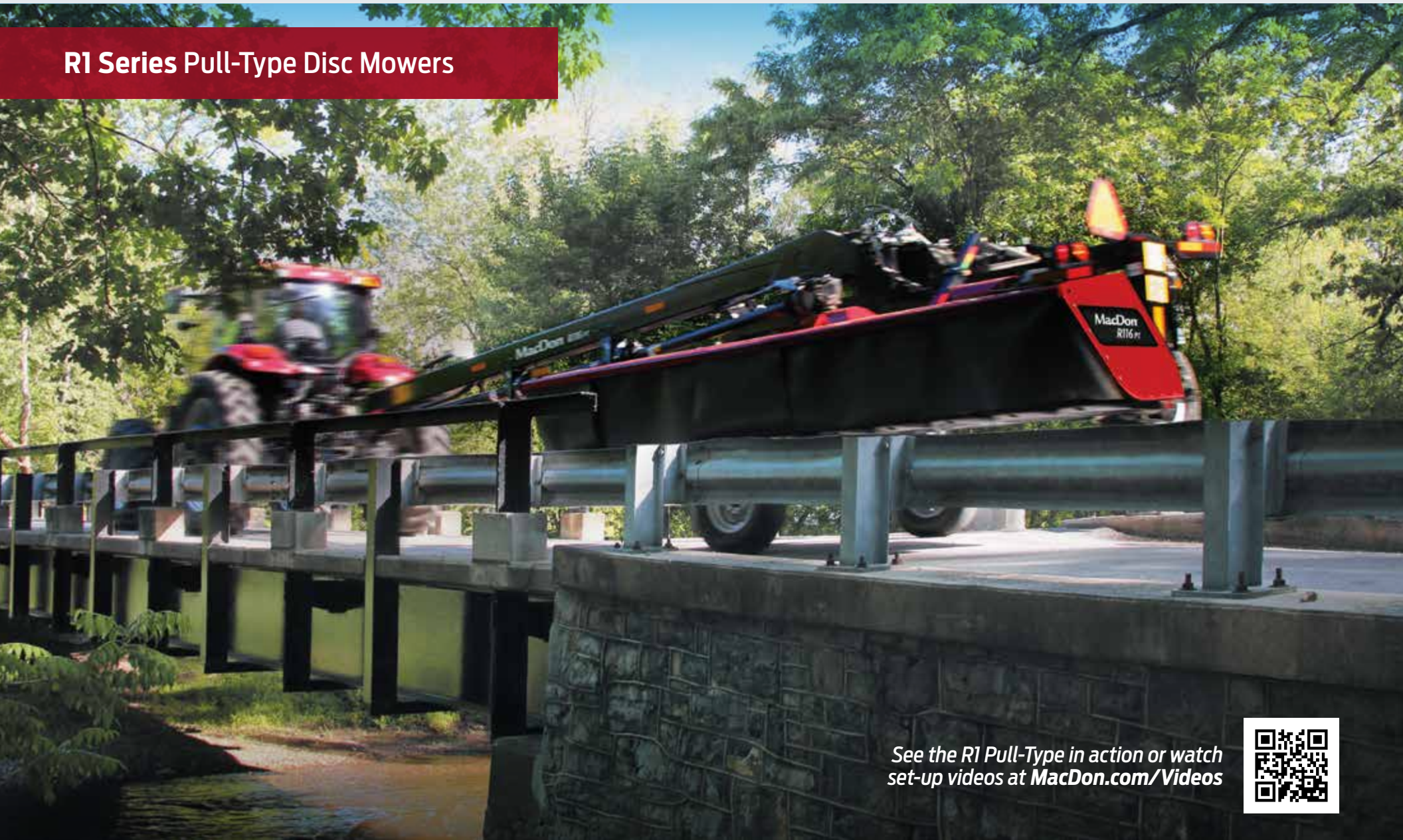


**C**

SPECIFICATIONS PAGE 37



## R1 Series Pull-Type Disc Mowers



See the R1 Pull-Type in action or watch set-up videos at [MacDon.com/Videos](https://www.macdon.com/videos)





## Quick in the field, quick on the road.

Don't be limited by transport width. In just 30 seconds, our Road Friendly Transport™ option transforms both our 13' (4 m) and 16' (4.9 m) R1 Pull-Types to a narrow 9' (2.75 m) wide transport. This allows for quick, safe travel to, from, and between fields. The all-new, forward-mounted cutterbar design provides a cleaner, smoother cut than ever before, and it's backed by a 3 year cutterbar warranty. No matter what the harvest situation or conditioning need, the R1 Series lays down well-formed, well-conditioned windrows with the industry's widest rolls of 129" (328 cm), and four interchangeable conditioning options. Don't limit your harvesting possibilities; find out why more top producers trust MacDon for their harvest.

### **A** 9' WIDE ROAD FRIENDLY TRANSPORT (OPTIONAL)

Our Road-Friendly Transport™ option is available on both models and transforms the R1 into a road-friendly 9' (2.75 m) wide transport. Switch from field to transport in 30 seconds, for quick, safe travel to, from, and between fields. Moving from a 10' to a 16' mower can increase productivity by 60%, making this option ideal for operations in which width restrictions are a limiting factor.

### **B** CLEAN CUT

Our low-profile, forward-mounted cutting discs provide a flat header angle, resulting in a cleaner, smoother cut.

### **3 YEAR CUTTERBAR WARRANTY**

Our new cutterbar design is backed by MacDon's 3-Year cutterbar warranty. That's just our way of ensuring worry-free harvesting performance.

### **OVERLOAD PROTECTION**

Each of the discs on the R1 Series cutterbar features a shear pin. These pins are designed to shear if the disc comes into contact with any object that is large enough to stop its movement. The disc then moves up and out of the path of the obstruction, preventing any serious damage to the cutterbar. The shear pin can be replaced in-field, allowing operators to quickly get back to cutting.



### **AE50 AWARD WINNER!**

*The R1 Series Pull-Type Disc Mowers received a 2016 AE50 Outstanding Innovation Award for the revolutionary Road-Friendly Transport™ package.*



Switch from field to transport in 30 seconds



**C SERIOUS CONDITIONING**

Featuring the industry’s widest conditioning roll of 129” (328 cm), and 4 interchangeable conditioning options, you can choose from Steel Inter-Meshing, Polyurethane Inter-Meshing, Finger Conditioner, or No Conditioner options. The RI lays down well-formed, well-conditioned wide to narrow windrows to suit a variety of conditioning needs.

**Steel Inter-Meshing Rolls:**

This crimp style is especially effective for stiff or solid plant stem material. It produces well-conditioned windrows over a wide range of widths and is ideal for high-volume crops that require aggressive feeding through the header is required. In smooth stemmed crops, the steel inter-meshing roll action promotes even plant dry-down by creating uniform crimps on the plant stem without bruising the delicate leaves. Steel rolls are extremely durable and require minimal maintenance.

**Polyurethane Inter-Meshing Rolls:**

Polyurethane delivers a combination crimp and crush action but is gentle on plant leaves. The crushing action of the 129” (328 cm) wide polyurethane rolls produce a windrow that promotes quick and even dry-down of crops like alfalfa and alfalfa grass mixes. The polyurethane is also very effective on fine-stemmed plants with solid stems, like native hay, timothy, and Bermuda grass.

**Finger Conditioner:**

The Finger Conditioner is ideal for wiping stem wax from plant stems. It creates a fluffy windrow best suited to promote dry-down of crops, like coastal grass and other mixed forages. The finger conditioner requires the least amount of horsepower of our conditioning options.

**No Conditioner:**

Not using a conditioner is ideal in crop conditions where laying out a wide, loose windrow is enough to reduce moisture levels for baling or chopping.

**D UNIQUE RESPONSIVE FLOAT**

Using minimal ground pressure, our Responsive Float System moves the RI “Up and Back” as it encounters bumps in the field. This unique movement results in true, even ground following and helps ensure a clean, smooth cut.

**LOW HORSE POWER REQUIREMENTS**

It requires only 100 HP for 13’ and 125 HP for 16’ model and is available with either 1000 pto 1.375” (35mm), 21 spline or 1.75” (45mm), 20 spline pto drive shaft options. The less horsepower you use, the lower fuel consumption.







## SPECIFICATIONS

### M SERIES SPECIFICATIONS (PAGE 4)

Model	M155E4	M205
Engine	Cummins 4.5L (275 cu in), Tier 4 Final, 4 cylinder, turbo	Cummins, 6.7L, (409 cu in), 6 cylinder, turbo
Horsepower	Rated 155 HP (116 kW) @2200 rpm	Rated 220 HP (164 kW) @ 2200 rpm, power boost to 230 HP (172 kW) @ 2000 rpm
Weight*	9810 lb (4450 kg)	9920 lb (4500 kg)
Batteries / Alternator	2, 12-volt / 160 AMP	2, 12-volt / 130 AMP
Fuel Tank / DEF Tank	97 U.S. gal (367 L) / 7.5 U.S. gal (28 L)	97 U.S. gal (367 L)
Front Tread Width	134.25" (3410 mm)	134.25" (3410 mm)
Rear Tread Width	Adjustable from 96.4" (2448 mm) to 135.7" (3448 mm)	Adjustable from 96.4" (2448 mm) to 135.7" (3448 mm)
Wheel Base	158.3" (4020 mm) field position	158.3" (4020 mm) field position
Crop Clearance	45.7" (1160 mm)	45.7" (1160 mm)
Drive Wheels	18.4 x 26 bar or turf, 23.1 x 26 turf or 600/65 R28 radial bar	18.4 x 26 bar or turf, 23.1 x 26 turf or 600/65 R28 radial bar
Tail Wheels	7.5 - 16 SL or 10 x 16 formed casters, 10 x 16 or 16.5L - 16.1 forked casters	7.5 - 16 SL or 10 x 16 formed casters, 10 x 16 or 16.5L - 16.1 forked casters
Transmission	Hydrostatic, 3-speed electric shift motors	Hydrostatic, 3-speed electric shift motors
Field Speed	0-16 mph (26 km/h)	0-16 mph (26 km/h)
Road Speed	0-23 mph (37 km/h)	0-23 mph (37 km/h)
Final Drive	Planetary gearbox	Planetary gearbox
Cab Equipment	Dual Direction® operator station, Ultra Glide® cab suspension	
Operator Station	Deluxe multi-adjustable air ride seat, fold away trainer seat, windshield wipers, air conditioner/heater, tilt steering, egress lighting on cab	
Instrumentation and Monitor System	Harvest Manager Pro: Ground speed, engine speed, header height, header angle, header float, knife SPM or disc rpm, reel speed, conveyer speed, hydraulic oil temperature, reel and conveyor index	
Options	Windshield shades (front and rear), weight box for towing header (required), lighting and marking kit for cab forward travel (required), reverser valve and plumbing, double windrow attachment, pressure sensor kit (for enhanced monitoring of header), booster springs. Compatible with most GPS systems	

\*Add approximately 1150 lb (522 kg) to weight for tire package.

### R SERIES ROTARY DISC HEADER SPECIFICATIONS (PAGE 14)

Size	13' (4 m)	16' (4.9 m)
Weight	3000 lb (1360 kg)	4300 lb (1955 kg)
Drive (Maximum Hydraulic Power)	130 HP (97 kW)	231 HP (174 kW)
Cutting Speed / Knife Tip Speed	1800 to 2600 rpm / 131 mph (210.8 km/h) to 189 mph (304 km/h)	
Cutting Angle Range	0-8° below horizontal	0-8° below horizontal
Number of Cutting Discs / Blades	8 / 2	10 / 2
Hay Conditioner Roll: Type / Length	Inter-meshing steel / 118" (3000 mm)	
Gear Train Protection	Shear key in each spindle	
Options	Tall crop divider, gauge roller (only available for 16' (4.9 m) model), adjustable skid shoes, double windrow attachment, hydraulic couplers for quick attachment	



### A SERIES AUGER HEADER SPECIFICATIONS (PAGE 18)

Size	14' (4.3 m)	16' (4.9 m)	18' (5.5 m)
Weight	4868 lb (2209 kg)	5058 lb (2295 kg)	5248 lb (2381 kg)
Sickle: Type / Drive / Speed / Stroke / Guards / Sickle Sections	Double knife / Hydraulic, dual MacDon Wobble Boxes / Variable 1450 to 1900 SPM / 3" (76 mm) / Pointed DHT (double heat-treated) / 3" (76 mm) over-serrated, bolt-on		
Reel: Type / Drive / Speed (optional sprockets) / Fingers	6 bat, oval closed bats with end caps, sectioned bar with greaseable ball bearings / Hydraulic, motor to enclosed gearbox / Variable from cab 51 to 85 rpm / Steel		
Conveyor (Auger): Type / Drive / Speed (optional sprockets) / Delivery Width	20" (508 mm) undershot, center-feed auger over replaceable, high-density polyethylene auger pans, rubber feed fingers / Hydraulic, direct-mounted motor / Variable from cab 230 to 320 rpm / 95.7" (2430 mm)		
Conditioner: Type / Roll Length / Outside Dimension / Drive / Speed	Non-contact, steel N-bar, intermeshing crimping rolls, header-mounted rolls and forming shields / 102" (2590 mm) / 9.17" (233 mm) / Hydraulic motor to enclosed gearbox / Variable 601 to 790 rpm		

### PW8 PICK-UP HEADER SPECIFICATIONS (PAGE 30)

Weight	3200 lbs (1452 kg)
Overall Width	18' 6" (566 cm)
Effective Picking Width	14' 8" (452 cm) between divider lugs
Overall Depth	96.9" (246 cm)
Auger Diameter	24" (61 cm)
Auger Fingers	Factory set for 18, qty to match specific combine feeder house
Auger Speed	0-200 rpm (Depending on combine model)
Auger Drive Chain	Endless # 80 chain
Drive Shaft	Heavy duty, 1.375" diameter, fully shielded with built-in clutch
Draper Belts	Each deck consists of (4) 44.3" (1125 mm) wide drapers joined and equipped with patented tracking V-guide on right end
Draper Speed	0-35 ft/min (10.7 m/min), depending on combine model
Draper Fingers	5" Plastic
Draper Rollers	Large 5" (127 mm) drive and 4" (102 mm) idler roller (same on both decks) with V-Groove on the right-hand side to ensure proper draper tracking and reduced slippage
Draper Drive	Two, 5.9 CID (97 cc) hydraulic motors
Gauge Wheels	18.5/8.50-8, adjustable height
Header Float	Spring-Over-Shock System requires no adjustment or lock-out for transport and provides 18 inches of wheel float

### R1 SERIES PULL-TYPE DISC MOWER SPECIFICATIONS (PAGE 32)

Size	13' (4 m)	16' (4.9 m)
Number of Cutting Discs / Blades	8 / 2	10 / 2
Horse Power Requirements	100 HP	125 HP
PTO	1000 RPM PTO 1 3/8" (35 mm) / 21 spline or 1 3/4" (45 mm) / 20 spline	
Weight (Steel Conditioner)	5300 lb (2404 kg)	6040 lb (2740 kg)
Weight (Steel Conditioner with Road Friendly Transport)	6800 lb (3085 kg)	7540 lb (3421 kg)
Length (without Road Friendly Transport)	280" (711 cm)	338" (858 cm)
Length (with Road Friendly Transport)	328" (833 cm)	386" (985 cm)
Transport Width (without Road Friendly Transport)	160" (406 cm)	198" (502 cm)
Transport Width (with Road Friendly Transport)	106" (269 cm)	106" (269 cm)
Tractor Hydraulic Capacity (psi)	2000 psi	
Tractor Hydraulic Remotes	Requires 2 remotes, 3 with hydraulic header angle adjustment option.	
Gear Train Protection (Cutter Bar)	Shear pin in each spindle	
Hay Conditioner Options: Type / Length	Inter-meshing steel and Polyurethane rolls and Finger Type / 129" (328 cm) / No Conditioner	
Hitch Type	Drawbar or Category II, 2-point hitch (Quick hitch adaptable)	
Header Angle Adjustment	Manual standard, hydraulic optional.	
Mower Configuration	Center Pivot	
Field Tires	31-13.5 R15 8ply	
Transport Tires (optional)	235-80 R16	
Options	Tall crop divider, and Hydraulic header angle adjustment, Road Friendly Transport	

## SPECIFICATIONS

### D65 DRAPER HEADER SPECIFICATIONS (DRAPER PAGE 10 / COMBINE PAGE 20)

Size	15' (4.6 m)	20' (6.1 m)	25' (7.6 m)	30' (9.1 m)	35' (10.7 m)	40' (12.2 m)	45' (13.7 m)
Weight* Single-Knife Drive	2780 lb (1258 kg)	3265 lb (1484 kg)	3667 lb (1660 kg)	4370 lb (1981 kg)	4808 lb (2181 kg)	5197 lb (2352 kg)	-
Weight* Single-Knife Drive with CA25	-	-	5717 lb (2590 kg)	6420 lb (2911 kg)	6858 lb (3111 kg)	7247 lb (3282 kg)	-
Weight* Double-Knife Drive	-	-	3872 lb (1753 kg)	4812 lb (2178 kg)	5019 lb (2277 kg)	5704 lb (2593 kg)	5990 lb (2711 kg)
Weight* Double-Knife Drive with CA25	-	-	5922 lb (2683 kg)	6862 lb (3108 kg)	7069 lb (3207 kg)	7754 lb (3523 kg)	8040 lb (3641 kg)
Knife: Type / Drive / Speed	Single- or double-knife, depending on size and application / Hydraulic, MacDon design-enclosed oil bath Wobble Box(es) / Single-knife windrower 1300 to 1500 spm, double-knife windrower 1500 to 1900 spm, single-knife combine 1050 to 1400 spm, double-knife combine 1100 to 1700 spm (speed varies depending on header size, faster knife speed on smaller headers, or double knife-headers)						
Guard Types Available	Pointed DHT (double heat-treated), pointed CH (case-hardened), stub sheet metal hold-down, forged bottom guard, stub, forged top and bottom						
Reel: Type / Drive / Speed / Fingers	Model pick-up reel, 5 or 6 bat, 2-piece (double) or single, flip-over design, cam-leading finger control / Hydraulic / SP windrower, 0 to 85 rpm, combine, 0 to 67 rpm (varies depending on combine model) / HD plastic, 6" (152 mm) spacing, 11" (279 mm) length						
Conveyor: Type / Drive / Speed / Delivery	41.6" (1057 mm) wide 24 oz (680.4 g) rubber skim-coated drapers, reversible, double V-guide with tracking, integral seal on leading edge / Hydraulic / Windrower, 0 to 742 ft/min, combine 0 to 464 ft/min / Mechanical or hydraulic deck shift (SP windrower only), opening width 60.6" (1539 mm) to 76.7" (1948 mm)						
Field-Installed Options	Upper cross auger, stabilizer wheels, slow-speed transport with stabilizer wheels and other specialty option kits						

\*All listed weights are approximations and will vary depending on header configuration. Check with your dealer for combine ratings.

### FD75 FLEXDRAPER® SPECIFICATIONS (PAGE 26)

Size	30' (9.1 m)	35' (10.7 m)	40' (12.2 m)	45' (13.7 m)
Weight* Single-Knife Drive	6746 lb (3060 kg)	7167 lb (3251 kg)	7589 lb (3442 kg)	-
Weight* Double-Knife Drive	-	-	7789 lb (3533 kg)	8218 lb (3728 kg)
Knife: Type / Drive / Speed / Guards	Single- or double-knife / Hydraulic, MacDon design-enclosed oil bath Wobble Box(es) / 1050 to 1400 spm, varies depending on header size / Pointed DHT (double heat-treated), strong, mud-resistant profile			
Reel: Type / Drive / Speed / Fingers	Model pick-up reel, 2-piece (double), flip-over design, cam-leading finger control / Hydraulic / 0 to 67 rpm, varies depending on combine model / 11" (279 mm) length, wear-resistant HD plastic, 6" (152 mm) spacing			
Conveyor: Type / Drive / Speed	41.6" (1057 mm) width, reversible 24 oz (680.4 g) rubber, skim-coated drapers, double V-guide with tracking, integral seal on leading edge / Hydraulic / 0 to 464 ft/min, depending on combine model			
Standard Features	Adapters for most current model combines, hydraulic fore-aft reel positioner, hydraulic header tilt, cutterbar poly wear plates, auto-header height with header angle and ground pressure indicators			
Field-Installed Options	Upper cross auger, stabilizer wheels, slow-speed transport with stabilizer wheels and other specialty option kits			

\*All listed weights are approximations and will vary depending on header configuration. Check with your dealer for combine ratings.

Weight includes CA25 Combine Adapter. The CA25 Combine Adapter weighs approximately 2050 lb (930 kg); this number varies by combine model.

### CA25 COMBINE ADAPTER SPECIFICATIONS (PAGE 22)

Size	Center Draper	Feed Auger
Weight	78.7" (2000 mm) width	65.3" (1660 mm) width
Type	Approximately 2050 lb (930 kg), varies by combine model	
Speed	Self tracking rubber coated polyester fabric feed draper with rubber slats, hydraulic drive (reversible)	Floating auger, mechanical drive (reversible), removable retracting fingers with full-retraction when reversing
Header Flotation: Type / Vertical Range / Lateral Range (tilt)	350 to 400 ft/min (107-122 m/min)	150 rpm, varies with combine model
	2 pairs coil springs, independent adjustment, transport lock-out / 7" (178 mm) / 4.8 degrees	

Fits most current model combines.



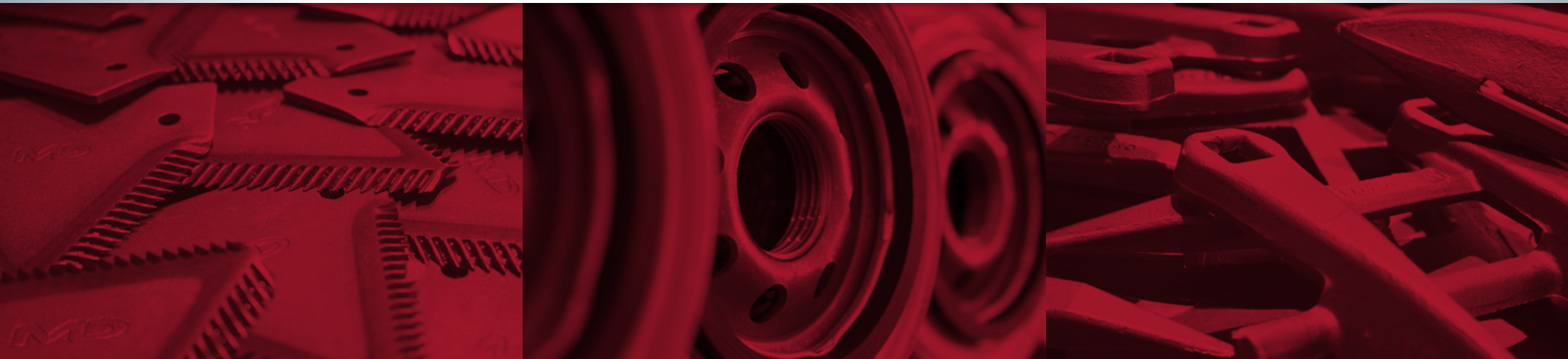
# Keep your MacDon at peak performance with MacDon Performance Parts.

If you own a MacDon, it's probably because you wanted a machine with a high level of performance, reliability, and overall quality. To keep your MacDon running at its peak performance, insist on MacDon Performance Parts. Parts are designed to meet MacDon's demanding performance specifications. They are tested in the toughest real-world conditions, ensuring the worry-free harvesting performance you've come to rely on with MacDon.

**Demand the best for your harvest. Ask for MacDon Performance Parts at your local MacDon Dealer parts counter.**



**MacDon<sup>®</sup> Performance Parts.**





# MacDon®

*The Harvesting Specialists. [MacDon.com](http://MacDon.com)*

Trademarks of products are the marks of their respective manufacturers and/or distributors. Specifications and options subject to change without notice. Products subject to availability. Products featured may include available options. **MD-0111A Full Line Brochure 2016-2017 Part #214006**