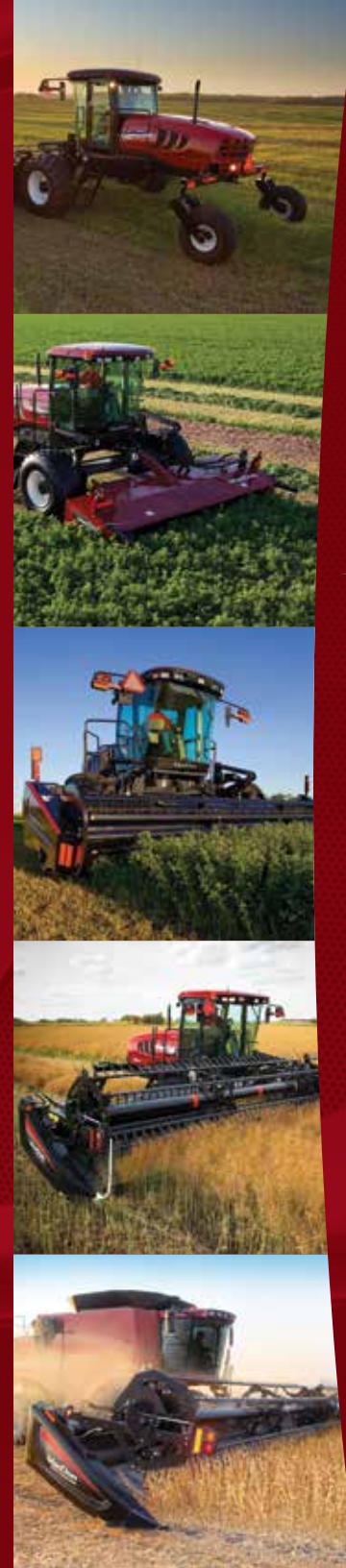


# MacDon

M205

Performance has a name.



**MacDon**

SELF-PROPELLED WINDROWERS AND HEADERS







## PERFORMANCE IS AN EVER-CHANGING BENCHMARK.

Today's fast can quickly become tomorrow's not-fast-enough. Equipment that once was considered "big" on your farm, now seems somehow small compared to today's standards. That's why MacDon's engineers remain focused on the horizon of harvesting technology – what your farm will need tomorrow, not just what it needs today. To do that, they are forever asking themselves "what's next?" and re-imagining what's possible. It is this forward thinking design philosophy that has allowed MacDon to become *the harvesting specialists worldwide*, and resulted in the equipment you see displayed in this brochure: equipment that represents harvesting's state-of-the-art; equipment by which others measure performance; equipment that's always a stride ahead.



M Series SP Windrowers **Page 4**



R Series Rotary Disc Headers **Page 10**



A Series Auger Headers **Page 14**



D Series Draper Headers **Page 16**



Draper Headers for Combines **Page 20**



**MacDon**

SELF-PROPELLED WINDROWERS AND HEADERS

a stride ahead.



# M SERIES

M SERIES SP WINDROWERS



Windrowing technology takes



**HOW DO YOU IMPROVE** a machine that has set industry benchmarks for speed and productivity? The answer is you focus on pushing the boundaries even further; things like giving every model a horsepower boost, improving operator comfort with an all-new suspension system and boosting infield performance with

an upgraded header drive. What you won't find changed are the things operators love, such as intuitive controls, easier maintenance and the exclusive Dual Direction® technology that permits faster travel to and from the field at road speeds up to 23 MPH (37 km/h).

**UP-POWERED WITH CUMMINS ENGINES**

All M Series Windrowers have received a significant horsepower boost thanks to the addition of Cummins engines across the board. At the top of the scale is the M205, which takes on all challenges thanks to its high powered Cummins turbo diesel engine (220 HP/164 kW at a rated 2,200 RPM) that can automatically power boost to 230 HP (172 kW) when in extreme conditions. Powerful enough to run draper headers up to 40' (12.2 m), this tier 3 engine is fuel efficient and environment friendly. Equipped with Intermediate Speed Control (ISC) all header functions operate at full power with reduced engine RPM for increased fuel savings. Both the M155 and M105 also enjoy upgraded power with new tier 3 Cummins engines of their own.



M SERIES ENGINE SPECIFICATIONS			
	M105	M155	M205
Rated	110 HP (81 kW)	148 HP (110 kW)	220 HP (164 kW)
Boosted	115 HP (86 kW)	156 HP (116 kW)	230 HP (172 kW)
Refer to specifications for RPM details.			



**EXCEPTIONAL CROP CLEARANCE**

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

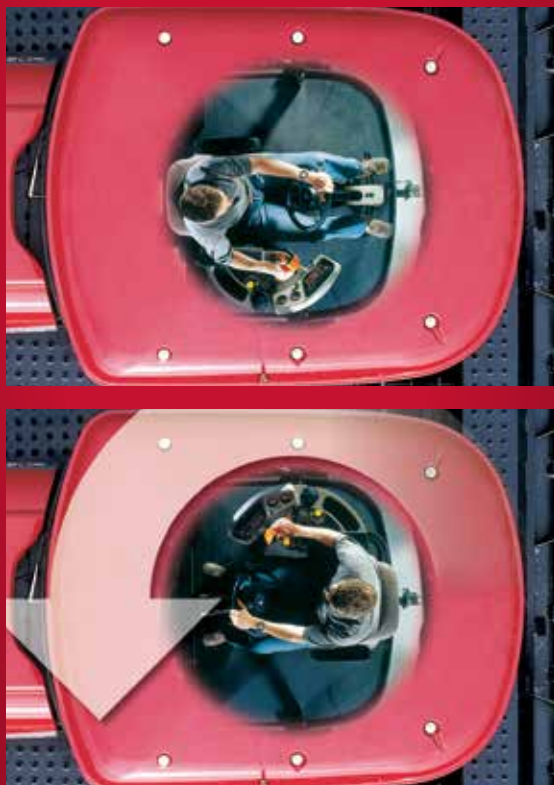
**NEW MORE EFFICIENT HEADER DRIVE**

To ensure that every ounce of power being generated is effectively delivered to the header drive motor, the M205 Windrowers feature a completely new header drive with a load-sensing circuit. The result is a simpler – more efficient – design with fewer working components that promises to be more constant and more dependable in tough cutting conditions. The header lift speed has even been increased thanks to a larger hydraulic pump. Add draper or auger headers with ease with a simple valve block.

another leap forward.

## MAKING YOU FASTER IN THE FIELD, FASTER BETWEEN FIELDS AND FASTER HOME

MacDon's patented Dual Direction® technology (models M205 and M155) allows you to switch to road travel mode in seconds for speeds of up to 23 MPH (37 km/h). Better still, there is no need to detach the header and transport it via flatbed, saving you even more time and labor when moving from field to field. (Limitations may occur due to road width restrictions with larger headers.)



Switching from field to road travel takes only three seconds with MacDon's Dual Direction® technology. (Available on M205 and M155).







MacDon's ergonomic cab, designed specifically for windrowing, ensures operator control and comfort during long harvest days. Its cab forward design and curved glass provide unparalleled visibility of the cutterbar, the stubble and full field conditions.

## NEW ULTRA GLIDE™ SUSPENSION SYSTEM

M Series Windrowers are not just all about muscle and power; they also have a softer side, thanks to MacDon's new Ultra Glide™ Cab suspension system. This four-corner "custom tuned" independent suspension system features suspension stabilization to prevent cab roll and "chop" for what is likely to be the smoothest ride you've ever experienced in a windrower.



## EASY UNPLUGGING FROM THE CAB

MacDon's Hydraulic Header Reverser (optional for M205 and M155 windrowers) allows the operator to quickly unplug the conditioner and other major header components on augers and drapers without leaving the operator's station.

## COMPUTERIZED CUTTING CONTROL WITH HARVEST MANAGER PRO

M Series Windrowers come with a fully computerized monitoring and header control system that provide the operator with real time readout of the header's cutting performance and critical information. Operators will also enjoy easy, intuitive fingertip control of all header functions including MacDon's highly popular "return-to-cut" feature that allows the operator to precisely return the header to the same setting after lifting it. The M105 features the Harvest Manager which includes many of the same monitor read-out display functions.





## NEW ENHANCED AIR INTAKE AND EXHAUST SYSTEM

To accommodate the larger engine, the M205 and M155 feature a completely redesigned air intake and exhaust system which has resulted in a reworking of the windrower's body and hood to allow for greater airflow into the engine. To keep up, the air filter has also been enlarged which has provided the added bonus of longer periods between service intervals.



All regular engine and hydraulic maintenance points are within easy reach thanks to MacDon's patented movable rail platform. The cooling system's cores are easily slid or swung out for fast cleaning.



Sliding platforms.

Large and easy access toolbox.





## M SERIES SELF-PROPELLED WINDROWERS SPECIFICATIONS

Model	M205	M155	M105
Engine	Cummins, 6.7 L, (409 cu in), 6 cylinder, turbo	Cummins 4.5 L (275 cu in), 4 cylinder, turbo	Cummins, 4.5 L (275 cu in), 4 cylinder, turbo
Horsepower	Rated 220 HP (164 kW) @ 2200 RPM, power boost to 230 HP (172 kW) @ 2000 RPM	Rated 148 HP (110 kW) @2300 RPM, power boost to 156 HP (116 kW) @ 2000 RPM	Rated 110 HP (81 kW) @ 2500 RPM, power boost to 115 HP (86 kW) @ 2300 RPM
Weight <sup>1</sup>	9920 lb (4500 kg)	9610 lb (4360 kg)	8820 lb (4000 kg)
Batteries/Alternator	2, 12-volt/130 AMP		
Fuel Tank	97 U.S. gal (367 L)		
Front Tread Width	134.25 in (3410 mm)		
Rear Tread Width	Adjustable from 96.4 in (2448 mm) to 135.7 in (3448 mm)		
Wheel Base	158.3 in (4020 mm) field position		
Crop Clearance	45.7 in (1160 mm)		
Drive Wheels	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		
Transmission	Hydrostatic, 3-speed electric shift motors		Hydrostatic, 2-speed electric shift motors
Field Speed	0-16 mph (26 km/h)		0-11 mph (18 km/h)
Road Speed	0-23 mph (37 km/h)		0-16 mph (26 km/h)
Final Drive	Planetary gearbox		
Cab Equipment	Dual Direction® operator station, Ultra Glide™ cab suspension		Single direction operator station
Operator Station	Deluxe multi-adjustable air ride seat, fold away trainer seat (optional on the M105), windshield wipers, air conditioner/heater, tilt steering, egress lighting on cab <sup>2</sup>		
Instrumentation and Monitor System	Harvest Manager Pro: ground speed, engine speed, header height, header angle, header float, knife SPM or disc RPM, reel speed, conveyor speed, hydraulic oil temperature, reel and conveyor index		Harvest Manager: ground speed, engine speed, header height, conveyor speed, optional header angle, optional knife SPM, optional reel speed
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. Hydraulic header tilt. Compatible with most GPS systems. <b>Not all options are available for all models.</b>		

<sup>1</sup> Add approximately 1150 lb (522 kg) to weight for tire package for M205, M155 and M105. <sup>2</sup> Egress lighting on cab not available on the M105.

## SP WINDROWER HEADER COMPATIBILITY

HEADER <sup>1</sup>	M105	M155	M205
R Series Rotary Disc Headers		■ <sup>2</sup>	■
A Series Auger Headers	■	■	■
D Series Draper Headers	■ <sup>3</sup>	■	■

<sup>1</sup> Booster spring kits may be required to float heavier headers equipped with options

<sup>2</sup> On 13 ft (4 m) size only

<sup>3</sup> Up to 35 ft (10.6 m) size

## TIRE OPTION PACKAGES



18.4 x 26  
Turf-Tread



18.4 x 26  
Bar-Tread



23.1 x 26  
Turf-Tread



600-65 R28  
Bar-Tread



7.5 - 16 SL  
Formed



10 x 16  
Formed



10 x 16  
Forked



16.5L - 16.1  
Forked



# R85

R SERIES ROTARY DISC HEADERS



Setting a higher bar for



**IF YOU'VE BEEN LOOKING** for a header that cuts alfalfa at speeds up to 16 MPH (26 km/h) and powers through 12' (3.6 m) of cane or a heavy winter forage crop – MacDon's R85 Rotary Disc provides all this and more. This next generation rotary disc machine has been significantly improved in almost every important area including frame strength, cutting angle, disc pattern, header flotation and

conditioning. There's even MacDon's new Double Windrow Attachment that 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. The result is a machine that delivers greatly improved cutting, crop handling and windrow formation, especially in tough, heavy or wet crop conditions.

**FEATURES** ▪ *Hydraulically driven header with high capacity* ▪ *Lower daily and annual maintenance requirements due to fewer moving parts than some competitive disc mowers* ▪ *Improved header float with fine-tune hydraulic adjustment on-the-go* ▪ *Heat treated cutting and wear components* ▪ *Separate replaceable guards to protect cutterbar between discs*

**SIZES** ▪ 13 ft. (4 m) ▪ 16 ft. (4.9 m)

**SPECIFICATIONS** *page 22, performance enhancement options page 21*



### **STRONGER, LESS MAINTENANCE**

MacDon's engineers have substantially strengthened the R85's header frame by making sure that the top link, lower lift arms and all header parts are anchored or bolted into sturdy frame members. Operators will also appreciate the R85's lower maintenance requirements thanks to its fewer moving parts than mechanical drive designs, and greasing intervals of 25 and 50 hours.

The replaceable inner skin on cutterbar access hoods helps to reduce possible damage to outer cover for improved resale value.

### **CUT LOWER, CUT CLEANER, CUT FASTER**

To help you cut lower and at a flatter angle we've both lowered the profile of the cutterbar and strengthened the design of the cutterbar cradle. These improvements combined with the R85's sturdy frame design and excellent spring flotation system allow you to run the machine faster over rough terrain and still maintain a consistently clean cut.



# rotary disc performance.



## IMPROVED CAPACITY AND CROP HANDLING

The R85 boasts a number of new features that improve capacity and crop handling. These include an optimized disc rotation pattern to reduce the amount of debris thrown across the cutterbar, and newly added accelerators on each disc to promote better crop flow in thick and tangled crop. Together, these improvements add up to significantly increased cutting capacity, reduced crop stripping and improved windrow formation.



We've given the 16' (4.9 m) R85 an overshot auger to more efficiently transfer crop from the discs to the wide conditioner rolls and improve cutting performance in tougher conditions.





## WIDEST CONDITIONING ROLLS ON THE MARKET

To improve conditioning performance, the R85 Rotary Disc has been equipped with the widest steel on steel rolls on the market (118"/3000 mm). Wider rolls increase the amount of crop contact, improving crimping performance and ensuring thorough conditioning of the plant stem. These conditioning rolls also feature a design which more aggressively pulls crop away from the cutting discs, for reduced power requirements and improved performance.

## NEW OVERLOAD PROTECTION

R85 cutterbars feature a single removable key on the outside hubs that will shear if the disc comes in contact with an object that stops its movement. The hub can then be removed and the key replaced, allowing the operator to quickly get back to cutting.



## DOUBLE WINDROW ATTACHMENT\*

MacDon's optional Double Windrow Attachment allows you to place up to 48' (14.6 m) of conditioned crop with the R85 into a single windrow. Refer to page 21 for more details.

*\*HC10 option is not for use with the M205 or M105 SP Windrower.*

*\*Double Windrow Attachment option is not compatible with the M105 SP Windrower.*

MacDon R Series Rotary Discs are also available in pull-type models for hay and forage harvesting. Please see the *MacDon Pull-Types for Hay* brochure.





# A30 & A40

A SERIES AUGER HEADERS



A giant step forward in speed, reliability



**THE MACHINE THAT'S REDEFINED AUGER WINDROWING** capacity, reliability, conditioning and windrow formation: these are the hallmarks of a great auger windrower. They are also exactly what you get with MacDon's A Series Augers thanks to the single-minded efforts of MacDon's engineers to produce the best auger windrower possible. They started their design journey by examining every contact point with the crop and enhancing each one so that crop flow and handling remain optimized under a wide range of conditions. The result is significantly increased capacity in just about all hay and forage crops.

But they didn't stop with just increasing capacity. They've also added a number of other features to make your harvesting experience better than ever. Top among these is their up-powered all-hydraulic design with on-the-go hydraulic reversing capability of reel, sickle, auger and conditioner on the A40-D models. This allows the operator to be in full control of all harvesting adjustments from the comfort of the operator's seat – a real time saver when adjusting to challenging crop conditions.

**FEATURES** ▪ *On-the-go hydraulic drive of 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 (header drive reversing requires valve on SP tractor and is only available on M205 and M155 models)* ▪ *Cam-forward reel tine control reduces loading on bearings and cam-track for quieter operation and longer life* ▪ *Highly durable poly auger pans for improved crop flow and reduced dirt build-up and rock damage* ▪ *N-bar non-contact steel conditioner rolls for optimum conditioning action* ▪ *Optional double windrower attachment*

**SIZES** ▪ 14 ft. (4.3 m) ▪ 16 ft. (4.9 m)  
▪ 18 ft. (5.5 m)

**SPECIFICATIONS** page 22, performance  
enhancement options page 21

#### AVAILABLE IN TWO MODELS

**A30-D** A full-featured double knife drive unit designed to provide optimum performance under tough crop and terrain conditions.

**A40-D** A robust and dependable double knife drive unit suitable for high acreage commercial operations.



#### WIDE CONDITIONER ROLLS

A full 102" (2590 mm) wide, the A Series conditioner rolls provide extra width and increase the amount of crop in contact with the rolls. This improves crimping performance and ensures thorough conditioning of the plant stem. The use of steel on steel intermeshing roll design ensures that leaves are retained for high protein value providing high quality hay, forage and alfalfa crops.

MacDon A30 augers are also available in pull-type models for hay and forage harvesting. Please see the *MacDon Pull-Types for Hay* brochure.



and crop handling.



# D65

D SERIES DRAPER HEADERS



Do it all, do it better,



**A SIGNIFICANT LEAP FORWARD** in draper header technology, MacDon D Series Drapers offer improved capacity and provide the operator with unparalleled productivity. Better still, D Series Drapers are true multi-crop harvesting solutions letting you cut just about any crop without having to swap headers. Not only are

they perfect for harvesting cereals, oil seeds, grass seeds and edible beans, they will also outperform most auger headers in hay and forage applications. If you are looking for the ultimate combination of swath formation and productivity, you can't do better than MacDon's D Series Draper Headers for your operation.

**FEATURES** ▪ *Extra large 76.7" (1948 mm) windrow opening coupled with a step back design on the rear header panel allows for more volume of tall bushy crops resulting in improved crop flow and windrow formation* ▪ *PR15 pick-up reel which features MacDon's flip-over finger action and cam-leading finger control* ▪ *Hydraulic knife drive for maximum power transfer and increased ground speed in most conditions* ▪ *Mechanical and hydraulic deck shift (center or end delivery on SP only)*

**D65 SIZES** ▪ 15 ft. (4.6 m) ▪ 20 ft. (6.1 m) ▪ 25 ft. (7.6 m) ▪ 30 ft. (9.1 m) ▪ 35 ft. (10.6 m) ▪ 40 ft. (12.2 m) ▪ 45 ft. (13.7 m)<sup>1</sup>

**SPECIFICATIONS** page 23, performance enhancement options page 21

<sup>1</sup> 45' (13.7 m) D65 available for combine application only.

## ADVANCED DRAPER TECHNOLOGY

MacDon's draper system features larger capacity motors and heavy duty double row sealed roller bearings for increased power and reduced maintenance. MacDon's puncture and tear resistant V-guide drapers are designed for positive tracking. The double V-guide draper can be reversed if the leading edge becomes damaged or worn, effectively doubling draper life. Combined with MacDon's draper protecting patented C-shaped cutterbar, these features make them MacDon's most durable and reliable drapers ever.



## HEAVY DUTY DRAPER DRIVE

Components in the draper drive have been strengthened for improved handling of the heaviest crop loads across the 42" (1057 mm) wide rubber coated polyester drapers. Tungsten carbide ribs have been added to the steel drive rollers and the draper guides have been lengthened on the header legs. The result is reduced slippage and longer overall draper life.

do it sooner.



## **BOOST YOUR PRODUCTIVITY INSTANTLY WITH D SERIES DRAPER HEADERS**

Designed to be excellent all-purpose headers for cereals, canola, hay, forage and specialty crops, MacDon's D Series Drapers allow you to cut at significantly higher speeds and achieve greater capacity, while still delivering exceptionally uniform and fluffy windrows. This is possible thanks to their extra-wide 76.7" (1948 mm) swath opening, increased draper depth, better angling on the back sheet and the higher crop clearance of the M Series Windrower.

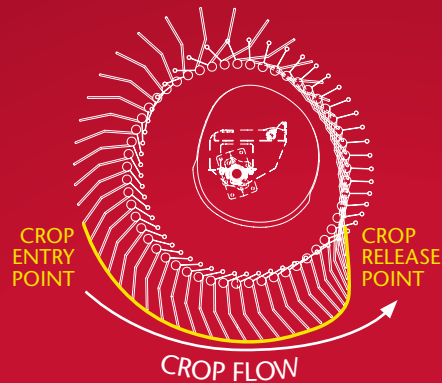
On your combine the D65 Draper is designed to deliver outstanding straight cut performance, especially when faced with tough harvesting conditions. Low podding, downed, tangled, or even lodged crops; whatever the harvesting situation the MacDon D65 Draper Header excels.





## EXTRAORDINARY REEL DESIGN FOR OUTSTANDING PERFORMANCE

MacDon's patented PR15 pick-up reel has been engineered to deliver optimal performance. The remarkable movement of this reel provides aggressive yet gentle finger action, resulting in the best pick-up action and crop recovery in the industry. Along with 4 cam positions, header tilt control, and fore-aft reel positioning, this reel can be specifically adjusted to meet your harvest conditions.

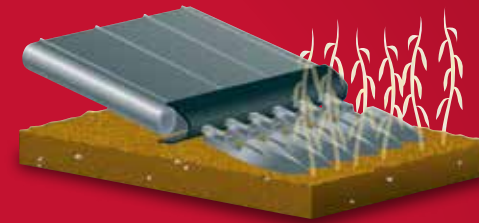


## EXCELLENT FOR HAY AND FORAGE

With the addition of MacDon's HC10 Hay Conditioner\*, D65 headers become high performance hay and forage harvesting machines. If you're cutting for one of today's large forage harvesters, MacDon's optional Double Windrow Attachment\* (available for double knife units) lets you lay up to 50' (15.2 m) of conditioned crop in a single windrow.

## CONSISTENTLY CLOSE SHAVE

MacDon's unique patented C-shaped cutterbar, permits cutting at ground level for the most consistently clean shave of your fields. This close cutting ability combined with the reel's ability to maintain a consistent relationship with the sickle (allowing it to gently lift the crop like a comb) means improved recovery in crop that is downed, lodged or tangled.



*\*HC10 option is not for use with the M205 or M105 SP Windrower.*

*\*Double Windrow Attachment option is not compatible with the M105 SP Windrower.*



# FD75 & D65

FD FLEXDRAPER® AND D SERIES RIGID DRAPER HEADERS FOR COMBINES



Supercharge your combine's capacity.

## THE ULTIMATE PERFORMANCE UPGRADE FOR YOUR COMBINE

Available for combine application only, MacDon's FD75 FlexDraper® can significantly boost your combine's productivity, especially in low podding crops such as soybeans, edible beans and lentils.

## CA25 COMBINE ADAPTER FOR D AND FD SERIES DRAPER HEADERS

With the addition of MacDon's CA25 Combine Adapter, MacDon D Series Rigid Headers (yes the same one mounted on your windrower) can be mounted on most current model combines. With widths up to 45' (13.7 m) they have become the header of choice for many custom cutters and high acreage producers the world over because of their ability to deliver the same dramatic productivity and performance boosts as they do when used for SP windrowing. The same is true of MacDon's FD75 FlexDraper® (also available in widths up to 45'/13.7 m), which producers claim is boosting combine productivity up to 40% in crops like soybeans and lentils. For more information please refer to the *MacDon Flex and Rigid Drapers for Combines* brochure.





## MACDON HEADER PERFORMANCE ENHANCEMENT OPTIONS



### CUTTER BAR PLASTIC WEAR STRIPS

For muddy harvesting conditions, or crops like soybeans, rice, lentils, and edible beans, poly skids guide the cutter bar over the ground, and reduces the likelihood of mud build-up. *Optional on D Series, standard on FD Series.*



### SKID SHOES

Improves the placement of the cutterbar in relation to the ground, thereby reducing wear on the cutterbar and enhancing the in-field performance of the header. *Optional for some A, D and FD Series headers as well as the 16' R Series.*



### HAY CONDITIONER

MacDon's HC10 Hay Conditioner, available for double knife drives up to 30' (9.1 m), turns a D65 header into a high performance hay and forage harvester. *Optional for D65 Headers\*.*

### UPPER CROSS AUGER

Attached in front of the back tube, the upper cross auger improves feeding of crop to the center in heavy crop conditions. Ideal for high volume harvesting of forages, oats, canola, mustard and other tall, hard to feed crops. *Optional for D Series and the FD Series.*



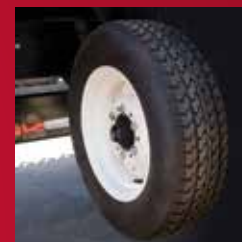
### STUB GUARDS

Stub guards mount directly to the cutterbar to improve cutting performance in tough, stringy grass type crops, and crops that need to be cut close to the ground (such as grass seed and edible beans). *Optional for A and D Series (not available for all sizes).*



### STABILIZER WHEELS

Spring loaded wheels help cushion the ends of Draper Headers when moving over field obstacles. *Optional for 30' (9.1 m) and larger D Series and the FD Series.*



### DOUBLE WINDROW ATTACHMENT

MacDon's double windrow attachment feature lets you lay up to 48' (14.6 m) of crop in a single windrow. This is ideal for today's large forage harvesters, and can translate into significant time and fuel savings for producers who employ this feature. When mounting to D65 Double Knife headers an HC10 Conditioner is required\*. *Optional for A, D and R Series.*



### GAUGE ROLLERS

Attached behind the cutterbar to reduce wear on the cutterbar wear plate and improve the movement of the header over uneven terrain, as well as in sand or firm soil conditions. *Optional for A and 16' R Series.*



### SLOW SPEED TRANSPORT

Spring loaded wheels help cushion and guide the ends of larger Draper Headers, plus enables transportation at road speeds less than 25 MPH (40 km/h) for 30' (9.1m) and larger headers. *For D Series and the FD Series.*

### DOUBLE WINDROW ATTACHMENT WINDROW SIZE PLACEMENT

	R Series	A Series	D Series
Double Placement	32 ft (9.8 m)	36 ft (11.0 m)	50 ft (15.2 m)
Triple Placement <sup>1</sup>	48 ft (14.6 m)	54 ft (16.5 m)	60 ft (18.3 m) <sup>2</sup>

All Double Windrow Attachments\* must be used in conjunction with Hay Conditioner\* on the D Series Headers. <sup>1</sup>Triple placement is possible with installation of GPS Auto Steer on your Windrower. <sup>2</sup>The 60' (18.2m) is accomplished with the use of the 20' (6.1 m) D65-D

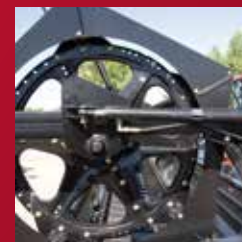
### HYDRAULIC HEADER TILT (for M Series)

Adjust header and guard angles on-the-go from the cab, enabling you to get the knife and guards closer to the ground for recovery of downed crops and improved performance in crops such as peas, lentils, edible beans and soybeans. *Optional for M105 and M155. Standard on M205.*



### HYDRAULIC FORE-AFT REEL POSITIONER

Adjust the reel position to changing crop and field conditions on-the-go from the cab. *Now standard for D Series and FD Series.*



\*HC10 option is not for use with the M205 or M105 SP Windrower.  
\*Double Windrow Attachment option is not compatible with the M105 SP Windrower.

FOR DETAILS ON THESE AND OTHER OPTIONS VISIT [MACDON.COM](http://MACDON.COM) OR SEE YOUR MACDON DEALER



### R85 ROTARY DISC HEADER SPECIFICATIONS (see page 10)

Size	13 ft (4 m)	16 ft (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	
Number of Cutting Discs / Blades	8 / 2	10 / 2
Hay Conditioner Roll: Type / Length	Intermeshing steel bars / 118 in (3000 mm)	Intermeshing steel N-bars / 118 in (3000 mm)
Gear Train Protection	Shearable key in each spindle	
Options	Tall crop divider, gauge roller (only available for 16 ft/4.9 m model), adjustable skid shoes, double windrow attachment, hydraulic couplers for quick attachment	

### A40-D AUGER HEADER SPECIFICATIONS (see page 14)

Size	14 ft (4.3 m)	16 ft (4.9 m)	18 ft (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 in (76 mm) / Pointed DHT (double heat-treated) / 3 in (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 76 RPM / Steel		
Conveyor (Auger): Type / Drive / Speed (optional sprockets) / Delivery Width	20 in (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 in (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 in (2590 mm) / 9.17 in (233 mm) / Hydraulic motor to enclosed gearbox / Variable 601 to 790 RPM		

### A30-D AUGER HEADER SPECIFICATIONS (see page 14)

Size	16 ft (4.9 m)	18 ft (5.5 m)
Weight	4977 lb (2258 kg)	5164 lb (2343 kg)
Conveyor (Auger): Type / Drive / Speed	20 in (508 mm) undershot, center-feed auger over replaceable high density polyethylene auger pans plus enhanced feeding with rubber feed fingers / Mechanical two "B" belts / 282 RPM, 22T sprocket	
Sickle: Drive / Speed	MacDon design enclosed oil WOBBLE BOX / Variable 1450 to 1900 SPM	
Reel: Type / Drive / Speed / Fingers	5 bat, oval closed bats with steel finger / Mechanical two "B" belts from auger / 72 RPM (optional sprockets) to slow down reel / Steel	
Adjustable Swath / Windrow Shields	36 in to 100 in (915 mm to 2540 mm) / Adjustable	
Conditioner: Type / Roll Length / Outside Dimension / Drive / Speed	Non-contact steel N-bar intermeshing crimping rolls, header mounted rolls and forming shields / 102 in (2590 mm) / 9.17 in (233 mm) / Hydraulic, motor to enclosed gearbox / Variable 601 to 790 RPM	

### A SERIES AUGER HEADER OPTIONS

Tall crop divider, stub guards, additional skid shoes, gauge rollers, hydraulic angle header kit (check with dealer for tractor specifications required), double windrow attachment



## D65 DRAPER HEADER SPECIFICATIONS (see page 16)

Size	15 ft (4.6 m)	20 ft (6.1 m)	25 ft (7.6 m)	30 ft (9.1 m)	35 ft (10.7 m)	40 ft (12.2 m)	45 ft (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 w/CA25 Combine Adapter	-	-	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 w/CA25 Combine Adapter	-	-	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 WOBBLER BOX(es) / Single knife windrower 1050 to 1400 SPM, double knife windrower 1100 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 SM (sheet metal hold-down, forged bottom guard), stub F (forged top and bottom)						
Reel: Type / Drive / Speed / Fingers	Model PR15 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 in (152 mm) spacing, 11 in (279 mm) length						
Conveyor: Type / Drive / Speed / Delivery	41.6 in (1057 mm) wide 24 oz (680.4 g) rubber skim-coated drapers, reversible double V-guide with tracking, integral seal on leading edge / Hydraulic / SP windrower 0 to 742 ft/min, combine 0 to 464 ft/min / Mechanical or hydraulic deck shift (SP windrower only), opening width 60.6 in (1539 mm) to 76.7 in (1948 mm)						
Field Installed Options	Customized kits for crop, land, road and harvesting requirements: stabilizer wheels, transport package, upper cross auger, hydraulic header tilt (standard on combine configurations), cutter bar poly						

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

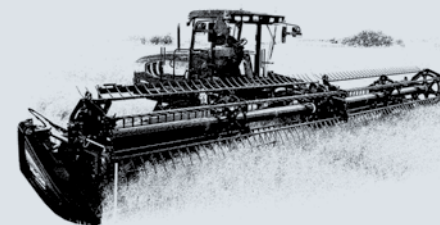
## FD75 FLEXDRAPER® COMBINE APPLICATIONS SPECIFICATIONS (see page 20)

Size	30 ft (9.1 m)	35 ft (10.7 m)	40 ft (12.2 m)	45 ft (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 WOBBLER 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 PR15 pick-up reel, 2-piece (double), flip-over design, cam-leading finger control / Hydraulic / 0 to 67 RPM varies depending on combine model / 11 in (279 mm) length, wear-resistant HD plastic, 6 in (152 mm) spacing			
Conveyor: Type / Drive / Speed	41.6 in (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			
Standard Features	Adapters for most current model combines, hydraulic fore-aft reel positioner, hydraulic header tilt, cutter bar poly wear plates, auto-header height with header angle and ground pressure indicators			
Field Installed Options	Upper cross auger recommended for tall bushy crops, stabilizer wheels, slow-speed transport with stabilizer wheels and other specialty option kits			

\* Please note: 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 (see page 20)

	Center Draper	Feed Auger
Size	78.7 in (2000 mm) width	65.3 in (1660 mm) width
Weight	Approximately 2050 lb (930 kg), varies by combine model	
Type	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
Speed	350 to 400 ft/min (107-122 m/min)	150 RPM, varies with combine model
Header Flotation: Type / Vertical Range / Lateral Range (tilt)	2 pairs coil springs, independent adjustment (single point at either side of adapter), transport lock-out / 7 in (178 mm) / 4.8 degrees	
Available for most current model combines.		



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