

DC103 DISC MOWER CONDITIONERS

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CASE IH

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With every rotary disc mower conditioner, you get the proven reliability of a large-disc cutterbar system engineered for long-lasting performance and durability in the field. Built with strength and dependability in mind, it's designed to deliver consistent results season after season—so you can operate with confidence and focus on the job at hand.

HARVEST SOONER WITH EXCEPTIONAL CONDITIONING.

Achieve optimum dry down time in all crop conditions with Case IH rotary disc mower conditioners, designed with consistent, thorough conditioning in mind. With an effective torsion-bar roll-pressure design, the Case IH conditioning system applies equal force to the upper conditioning roll arms for uniform conditioning, regardless of crop thickness. Achieve a new level of conditioning performance with the user-friendly and simple “fine tuning” of Case IH conditioning systems.



EASY ADJUSTMENTS.

Fine-tuning the conditioning roll pressure is quick and easy, with no tools required.

FLAIL CONDITIONING ROLLS.

Provide a scuffing action to the plant stems, removing the waxy outer layer for faster dry down, particularly in grassy crops. They are available on all Case IH disc mower conditioners.

RUBBER-ON-RUBBER.

Spiral rubber-on-rubber conditioning rolls provide thorough crimping and crushing for fast dry down.

STEEL-ON-STEEL.

Spiral steel-on-steel conditioning rolls offer longer life and provide thorough conditioning, particularly in high-volume or abrasive applications.

HIGH SPEED, HIGH QUALITY.

Glide through lush stands of alfalfa, acres of dense grass and even tough cane crops, at high ground speeds. Case IH DC3 series disc mower conditioners combine fast cutting with high-quality conditioning. Choose from two new models, the DC103, built to handle a variety of crops and designed for easy, uninterrupted use. Both let you move quickly and easily from field to field, offer intuitive operation with fewer, simpler adjustments and allow you to pick up speed while maintaining consistent cutting when bad weather is on the horizon.



HYDRAULIC HEADER TILT.

Quickly make cutting height changes without the need of tools by simply pulling a pin. The tilt system is built into the header lift system so no additional remotes are needed. Once the header is lowered the tilt can then be adjusted. Hydraulic header tilt is standard on the DC103 and optional on the DC93.



SIMPLIFIED DRIVELINES.

Case IH DC3 series mower conditioners are driven from the left side of the machine, delivering consistent power across all key functions. The swivel gearbox does not require a steering link, so the PTO shaft maintains perfect alignment.



FASTER DRY DOWN.

Both the roll and flail conditioning systems provide a best-in-class conditioning-to-cut width ratio. The result is a thinner crop mat passing through the system for consistently thorough crop conditioning. This wider system also allows for wider swaths, so more crop is exposed to the sun for better natural dry down.

FINE TUNE YOUR CUT.

Crop conditions will change from cutting to cutting and even from field to field. The ability to quickly and easily fine tune your equipment to these changes is crucial to continue to produce high quality hay. All Case IH DC3 mower-conditioner deliver this ability. No tools are needed to adjust:

- Windrow forming shields
- Swathgate
- Cutting height
- Conditioning roll pressure or flail hood
- Other adjustments are also quick and easy
 - Fast knife change with the quick-change system
 - only one 15/16" wrench is needed to adjust roll gap and header flotation

SWIVEL HITCH OPTIONS*.

Choose either the drawbar swivel hitch or two-point swivel hitch and get maximum turning performance with zero driveline wrap-up. PTO power is transferred from the front swivel gearbox to a second swivel gearbox at the rear of the tongue that maintains perfect alignment of the output driveshaft to the cutterbar- and conditioner-drive gearbox on the left side of the unit.

DESIGNED FOR FASTER CUTTING AND EVEN FASTER REPAIRS.

Maintenance is minimised thanks to fewer discs and a simplified drive system. The Shock Protection system is designed to protect the cutterbar from time-robbing, expensive field failures when an obstruction is encountered. Replacement can be performed in minutes keeping your downtime to a minimum.



QUICK AND EASY IN-FIELD REPAIRS.

Heavy-duty, quick-change knives cut change time in half and are reversible for twice the cutting life. Simply use the provided tool, no wrenches necessary.



A CUTTERBAR LIKE NO OTHER

All DC3 mower conditioners feature a fully-modular cutterbar. Each module is independent from the adjacent cutting disc. Damage from one module will not spread to the next like other fully-welded or sectional cutterbars. This makes service and maintenance quick and convenient to reduce any potential downtime.



GREATER DURABILITY.

The cutterbar system has larger gears, bearings and interconnecting shafts for added durability. Plus the shock protection system protects the cutterbar from timerobbing, expensive field failures if an obstruction is encountered. The individual shock hub “takes the blow”, protecting the internal components of the cutterbar.

MODELS	DC103
CUTTING DIMENSIONS	FPT
Cutting Width	10 ft. 4 in. (3.16 m)
Cutting Height	0.95 in. – 2.4 in. (24 – 60 mm) roll / 1.1 in. – 2.7 in. (29 – 68 mm) flail
Cutting Height w/optional high-stubble shoes	2.25 in. – 4.5 in. (58 – 115 mm)
Cutting Height w/optional adjustable shoes	2.25 in. – 4.5 in. (58 – 115 mm)
Cutterbar	
Number of Discs / Knives	8/2
Disc Speed at 540 PTO	3000 rpm
Module Protection	Shock hub system
Cutterbar Tilt Angle	2° – 10°
Cutterbar Tilt System	4-position hydraulic cylinder
CROP CONDITIONING	
Roll Conditioners	
Type	Chevron rubber or steel rolls
Length / Diameter	102 in. (2591 mm) / 10.4 in. (264 mm)
Roll Drive	4 HB V-belt and enclosed gear
Roll Speed	647 rpm
Roll Tension Adjustment	Hand crank; No tools required
Flail	
Type	Rotor with 100 tapered flails
Length / Diameter	102 in. (2591 mm) / 22 in. (560 mm)
Rotor Drive	4 HB V-Belt
Rotor Speed	718 rpm standard / 1000 optional
Conditioner Gap Adjustment	Single point hand crank rotor hood; no tools needed
Swath Width	7 ft. (2.13 m)
Windrow Width	3 – 7 ft. (0.9 – 2.13 m)
DRIVELINE	
Input Speed	540 or 1000 rpm standard hitch / 540 only with swivel hitch option
Driveline Protection	Slip clutch and overrunning clutch assembly at rear of PTO shaft
TONGUE AND HITCH OPTIONS	
Tongue and Hitch Options	Curved tongue
Hitch Options	Clevis, drawbar swivel or 2-pt. swivel
DIMENSIONS*	
Operating Width (Standard)	16 ft. (4.87 m) / 17 ft. 7 in. (5.36 m) with swivel hitch
Operating Length	Flail: 17 ft. 8 in. (5.4 m)*** Roll: 15 ft. 7 in. (4.75 m)***
Operating Height	4 ft. 5 in. (1.35 m)
Transport Length	Flail: 18 ft. 1 in. (5.5 m)*** Roll: 17 ft. 7 in. (5.36 m)***
Transport Width	11 ft. 3 in. (3.42 m)
Transport Height	5 ft. 3 in. (1.6 m)
Ground Clearance When Fully Raised	Flail: 17in. (432 mm) Roll: 18 in. (457 mm)
Operating Weight**	Flail: 4,100 lb. (1864 kg)*** Roll: 4,160 lb. (1891 kg)***
Tyres	Flail: 9.5L x 14L 6PR Roll: 11L x 15L 6PR
TRACTOR REQUIREMENTS	
Minimum PTO HP	80
Hydraulic Remotes Required	1
Minimum Relief Pressure	1500 psi
Drawbar / Swivel Hitch-Drawbar / Swivel Hitch- 2-point	ASAE Cat II / ASAE Cat II or III / ASAE Cat II, III-N or III
Electrical	7-pin electrical connector for transport lights

* Rear curtain down for all height and length measurements on machines with flail. Subtract 2 in. (50.8mm) for flail curtain up. Windrow shields fully open for length in both positions.

** Weights with rubber conditioning rolls. Add 100 lb. (45 kg) for steel rolls.

*** Weights & dimensions are with standard drawbar hitch. Add 150 lb. (68 kg) & 2 ft. (0.6m) for swivel hitches.



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