DC 133 AND 163 CENTER-PIVOT ROTARY DISC MOWER CONDITIONERS

HARVEST SOONER WITH EXCEPTIONAL CONDITIONING.

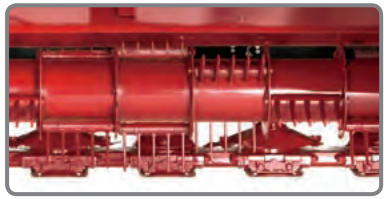
Achieve optimum dry down time in all crop conditions with Case IH rotary disc mower conditioners, designed with consistent, thorough conditioning in mind. With an effective torsion-bar roll-pressure design, the Case IH conditioning system applies equal force to the upper conditioning roll arms for uniform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

EASY ADJUSTMENTS

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

RUBBER-ON-RUBBER

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



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.

STEEL-ON-STEEL

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

LARGER, FEWER DISCS

Cut heights are more consistent, thanks to new, larger diameter discs that cut lower and at a reduced tilt angle. This combination of larger disc diameters and wider conditioning systems allows the crop to move rearward off the cutterbar sooner, improving crop flow and windrow consistency in tall crops. Fewer discs also means less horsepower is needed to run the mower conditioner.

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 — at an industry-leading 125 inch width — 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.

EASY ACCESS

New, durable plastic cutterbar bi-fold doors offer improved quality and reliability, while still maintaining easy access to the cutterbar and its components. The poly, bi-fold upper shielding is lighter, provides easier access and is more damage-resistant. It won't become damaged if a shield is inadvertently left open.

GREATER DURABILITY

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

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 center-pivot disc mower conditioners combine fast cutting with high-quality conditioning. Choose from two new models, the DC133 and DC163, 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.

MODELS	DC133 (roll)	DC133 (flail)	DC163 (roll)	DC163 (flail)
CUTTER BAR				
Cutting Width (m)	4,0		4,9	
Cutting Height (mm)	24 – 81			
Cutting Height w/Optional High-Stubble Shoes (mm)	58 – 115			
Cutterbar Tilt Angle (°)	2 – 10			
Type Cutterbar	Modular			
Number of Discs / Knives per Disc	8/2		10/2	
Disc Speed @ 1.000 rpm PTO Speed (rpm)	3000			
Cutterbar Shear Protection	Standard – Frangible splines in disc drive hub			
Cutterbar Flotation	Vertical and lateral, adjustable springs			
CONDITIONER				
Type	Chevron intermeshing molded rubber, or chevron intermeshing steel rolls	Flail Rotor w/100 tapered flails	Chevron intermeshing molded rubber, or chevron intermeshing steel rolls	Flail Rotor w/100 tapered flails
Length (mm)	3175			
Diameter (mm)	264 rolls	560 flail rotor	264 rolls	560 flail rotor
Conditioner Drive Method	4 HB V-belt & enclosed gears	4 HB V-belt	4 HB V-belt & enclosed gears	4 HB V-belt
Speed—Standard / Optional (rpm)	740 / NA	1011 / 726	740 / NA	1011 / 726
Conditioning Roll Tension Adjustment	Single crank	NA	Single crank	NA
Conditioner Gap Adjustment	Drawbolt stop, each end	Single crank adjustment of rotor hood	Drawbolt stop, each end	Single crank adjustment of rotor hood
Swath Width / Windrow Width (m)	2,4 / 0,9 – 2,4			
DRIVELINE				
Input Speed (rpm)	1000			
Driveline Protection	Slip clutch and overrunning clutch assembly @ rear of PTO shaft			
TRACTOR REQUIREMENTS				
Minimum PTO Power Required (hp/kW)	90 / 67		100 / 75	
PTO Shaft Spline / Size Requirements	21-spline / 1 3/8			
Hydraulic Circuits Required	2			
Minimum Relief Pressure Required (bar)	103			
Electrical	7-pin electrical connector for transport lights			
Drawbar / 3-pt Hitch	ASAE Cat. II or III drawbar or Cat. III 3-pt hitch		ASAE Cat. III drawbar or Cat. III 3-pt hitch	
TIRES				
Tubeless Ag Rib Implement Tires	31 × 13.5 – 15 8PR			
TRANSPORT SPEED				
Maximum (Kph)	32			
DIMENSIONS* AND WEIGHT**				
Width (Transport) (m)	4,0		4,9	
Width (Operating) (m)	5,9 w/standard drawbar hitch; 6,5 w/2-pt swivel hitch; 6,0 w/drawbar swivel hitch		7,6 w/2-pt swivel hitch; 7,1 w/drawbar swivel hitch	
Length (Transport) (m)	7,5 w/standard drawbar hitch; 8,1 w/2-pt swivel hitch; 7,7 w/drawbar swivel hitch	7,6 w/standard drawbar hitch; 8,2 w/2-pt. swivel hitch; 7,9 w/ drawbar swivel hitch	9,3 w/ 2-pt. swivel hitch; 8,7 w/drawbar swivel hitch	9,4 w/ 2-pt. swivel hitch; 9,1 w/drawbar swivel hitch
Length (Operating) (m)	6,1 w/standard drawbar hitch; 6,7 w/2-pt swivel hitch; 6,4 w/drawbar swivel hitch	6,3 w/standard drawbar hitch; 6.9 w/2-pt. swivel hitch; 6,6 w/ drawbar swivel hitch	7,7 w/ 2-pt. swivel hitch; 7,4 w/drawbar swivel hitch	7,8 w/ 2-pt. swivel hitch; 7,5 w/drawbar swivel hitch
Height (Transport / Operating) (m)	2,0 / 1,7			
Ground Clearance (w/Header Fully Raised) (mm)	457			
Shipping Weight (Standard Tongue / 2 pt. or Drawbar Swivel) (kg)	2771 / 2899	2721 / 2849	NA / 3089	NA / 3039
Operating Weight (Standard Tongue / 2 pt or Drawbar Swivel) (kg)	2631 / 2758	2576 / 2703	NA / 2948	NA / 2894

* Flail curtain is down for all height and length measurements. Length with flail curtain up should be reduced by 152 mm. Height with flail curtain up should be increased by 279 mm. Windrow shields fully open for length in both transport and operating positions.

** Weights shown with rubber conditioning rolls. For weight w/steel conditioning rolls add 45 kg.

Case IH recommends Lubricants

SAFETY NEVER HURTS!™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided.

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