

DC 133 AND 163 CENTER-PIVOT ROTARY DISC MOWER CONDITIONERS

CASE IH
AGRICULTURE



HIGH SPEED, HIGH QUALITY.

Glide through lush stands of lucerne, 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.





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 3.175m (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.



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.



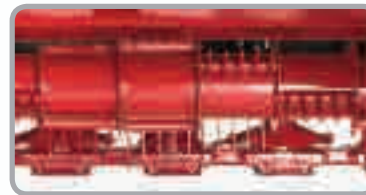
EASY ADJUSTMENTS.

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



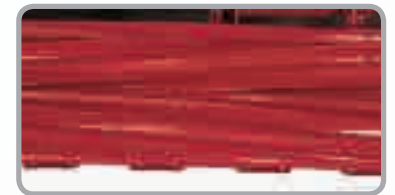
RUBBER-ON-RUBBER.

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.

SPECIFICATIONS	DC133 (roll)	DC133 (flail)	DC163 (roll)	DC163 (flail)
CUTTER BAR				
Cutting Width	156 in. (4.0 m)		192 in. (4.9 m)	
Cutting Height	20–69 mm (0.79–2.7 in.)			
Cutting Height w/Optional High-Stubble Shoes	79–140 mm (3.1–5.5 in.)			
Cutterbar Tilt Angle	2–10°			
Type Cutterbar	Modular			
Number of Discs/Knives per Disc	8/2		10/2	
Disc Speed @ 1000 rpm PTO Speed	2250 rpm			
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	125 in. (3175 mm)			
Diameter	2 × 10.4 in. (264 mm) rolls	1 × 22 in. (560 mm) flail rotor	2 × 10.4 in. (264 mm) rolls	1 × 22 in. (560 mm) 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	740/NA rpm	1011/726 rpm	740/NA rpm	1011/726 rpm
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	DC133 (roll): 3 m (10 ft)/ 0.9–2.4 m (3–8 ft)	DC133 (flail): 3.4 m (11 ft)/ 0.9–2.4 m (3–8 ft)	DC163 (roll): 3.7 m (12 ft)/ 0.9–2.4 m (3–8 ft)	DC163 (flail): 4.0 m (13 ft)/ 0.9–2.4 m (3–8 ft)
DRIVELINE				
Input Speed	1000 rpm			
Driveline Protection	Slip clutch and overrunning clutch assembly @ rear of PTO shaft			
TRACTOR REQUIREMENTS				
Minimum Tractor Power Required	90 hp (67 kW)		100 hp (75 kW)	
PTO Shaft Spline/Size Requirements	21-spline/1 3/8			
Hydraulic Circuits Required	2			
Minimum Relief Pressure Required	1500 psi (103 bar)			
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	
TYRES				
Tubeless Ag Rib Implement Tyres	31 × 13.5 – 15 8PR			
TRANSPORT SPEED				
Maximum	32 km/h (20 mph)			
DIMENSIONS* AND WEIGHT**				
Width (Transport)	4.04 m (160 in.)		5.05 m (199 in.)	
Width (Operating)	255 in. (6.5 m) w/2-pt swivel hitch; 235 in. (6.0 m) w/drawbar swivel hitch		299 in. (7.6 m) w/2-pt swivel hitch; 279 in. (7.1 m) w/drawbar swivel hitch	
Length (Transport)	8.4 m (329 in.) w/2-pt swivel hitch; 8.1 m (317 in.) w/drawbar swivel hitch	8.4 m (329 in.) w/2-pt swivel hitch; 8.1 m (317 in.) w/drawbar swivel hitch	9.7 m (384 in.) w/2-pt swivel hitch; 9.4 m (372 in.) w/drawbar swivel hitch	9.7 m (384 in.) w/2-pt swivel hitch; 9.4 m (372 in.) w/drawbar swivel hitch
Length (Operating)	7.0 m (276 in.) w/2-pt swivel hitch; 6.7 m (264 in.) w/drawbar swivel hitch	7.0 m (276 in.) w/2-pt swivel hitch; 6.7 m (264 in.) w/drawbar swivel hitch	8.1 m (319 in.) w/2-pt swivel hitch; 7.8 m (307 in.) w/drawbar swivel hitch	8.1 m (319 in.) w/2-pt swivel hitch; 7.8 m (307 in.) w/drawbar swivel hitch
Height (Transport/Operating)	2.26 m (89 in.)/2.01 m (79 in.)			
Ground Clearance (w/Header Fully Raised)	411 mm (16.2 in.)			
Shipping Weight (2 pt. or Drawbar Swivel)	2899 kg (6390 lbs.)	2849 kg (6280 lbs.)	3089 kg (6810 lbs.)	3039 kg (6700 lbs.)
Operating Weight (2 pt or Drawbar Swivel)	2758 kg (6080 lbs.)	2703 kg (5960 lbs.)	2948 kg (6500 lbs.)	2894 kg (6380 lbs.)

* Flail curtain is down for all height and length measurements. Length with flail curtain up should be reduced by 6 in. (152 mm). Height with flail curtain up should be increased by 11 in. (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 100 lbs. (45 kg).



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. CNH Industrial Australia Pty Ltd reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions and illustrative material herein are as accurate as known at time of publication, but are subject to change without notice. Availability of some models and equipment builds varies according to the country in which the equipment is used.

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