

Front- and Rear-Mounted Mower-Conditioners

F310R, F350R, R870R, R950R, R990R



Turn 10-hour days
into 460-acre days.

The new John Deere Front and Rear Mower-Conditioner can cut up to 32.5 feet (9.9-m) in one pass. That's up to 46 acres an hour. And with two new models for the Front-Mounted MoCo, the F310R and F350R, and three new Twin Rear-Mounted MoCos, the R870R, R950R and R990R, cutting is faster and better than ever.





Paired with a tractor with a minimum of 210 horsepower, a front hitch and PTO, you can enjoy a comfortable cab environment while being able to change

cutterbar angle without leaving the tractor seat. The convenience of quick-change knives allows you to change a knife in less than 15 seconds.



Not only can you cut wide, with up to a 32.5-foot (9.9m) cutting width, but you can transport narrow — at just over 11 feet. The rear-mount mower-conditioners fold up without leaving the cab, making transport fast and easy.



Plus, if your tractor has AutoTrac™ you can add the benefits of John Deere guidance, reducing operator fatigue and ensuring your cutterbar is cutting a full width in every pass.



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	Front-mounted		Rear-mounted		
Models	F310R	F350R	R870R	R950R	R990R
Recommended tractor PTO power					
Power* hp (kW)	100 (75)	120 (91)	210 (155)	230 (170)	250 (185)
Cutterbar					
Number of discs	7	8	2 x 7	2 x8	2 x 8
Number of knives	14 (2/disc)	16 (2/disc)	28 (2/disc)	32 (2/disc)	32 (2/disc)
Disc speed	2986 rpm	2986 rpm	2986 rpm	2986 rpm	2986 rpm
Bolted knives	Not available				
Quick Knives Change	Reversible and retractable				
Cutting width ft. (m)	10.2 (3.1)	11.5 (3.5)	27.2-28.5 (8.30 to 8.70)	29.9-31.2 (9.1 to 9.5)	31.2-32 (9.5 to 9.9)
Front/rear cutting overlap ft. (m)	NA		1-1.6 (0.30 to 0.50)		
Cutting height in. (mm)	1.37-3.35 (35 to 85)				
Conditioner (Impeller)					
Tines	L-shaped steel				
Number of tines	80	104	2 x 80	2 x 104	2 x 104
Orbit diameter in. (mm)	21.3 (540)				
Rotor speed	755 or 1000 rpm				
Drive	Gearbox				
Conditioning hood opening in. (mm)	0.4-2 (10-50)				
Windrowing					
Windrow width ft. (m)	3.9-7.9 (1.20 to 2.4)		4.3 -10.5 (1.3 to 3.2)		
Wide spread					
Availability	Not available	Not available	Standard	Standard	Standard
Suspension					
Type	Adjustable hydro-pneumatic				
Dimensions					
Transport width ft. (m)	9.8 (3)	11.4 (3.5)	9.8 (3)	9.8 (3)	11.4 (3.5)
Weight lbs. (kg)	2800 (1270)	2976 (1350)	6680 (3030)	7079 (3211)	7187 (3260)
Powerline					
PTO speed	1000 rpm				
PTO drive	Clockwise & counter-clockwise			Clockwise	
Protection	Slip clutch + free wheel				
Hydraulic and electrical connections					
	1 SCV	1 SCV	2 SCV + 1 - electrical 7 pin connector + 1 - 3 pin convenience outlet		
Tractor hook up	Front hitch Cat.2		Cat 3 or 4N Quick hitch		

*The tractor requirements listed above are recommendations. Power requirement and windrows width may vary from crop and field conditions. Power indicated for rear wide cut, R870R, R950R, R990R & 488 include front moco.