

New Frontier Grooming Mowers



Economy • Standard-duty • Medium-duty • Flex-wing



When it comes to quality, durability, and performance,

one brand of mower is a cut above. And that's Frontier, the ideal grooming mowers for lawns, sports fields, or anywhere else you need a wide cut.

Frontier grooming mowers feature a reinforced steel deck that's one tough unit. A highly engineered and rugged gearbox delivers strength and quiet operation. And rubber swivel-bearing tires maintain a perfectly level cut, pass after pass.

Frontier grooming mowers also feature standards that add up to unbeatable performance. Stamped wheel yokes with air tires keep the mower in line with the tractor over the most uneven terrain. Wheel caster spacers can be easily adjusted to raise or lower the cutting height. Heat-treated alloy steel blades deliver maximum performance in a variety of conditions. And a high blade-tip speed and precise blade overlap provide a cleaner overall cut.

Best of all, Frontier grooming mowers are backed with a one year warranty and by John Deere, the most trusted name in farm, ranch, and lawn equipment. To help you choose the right Frontier grooming mower, talk to your local John Deere dealer, your exclusive source of Frontier Equipment.

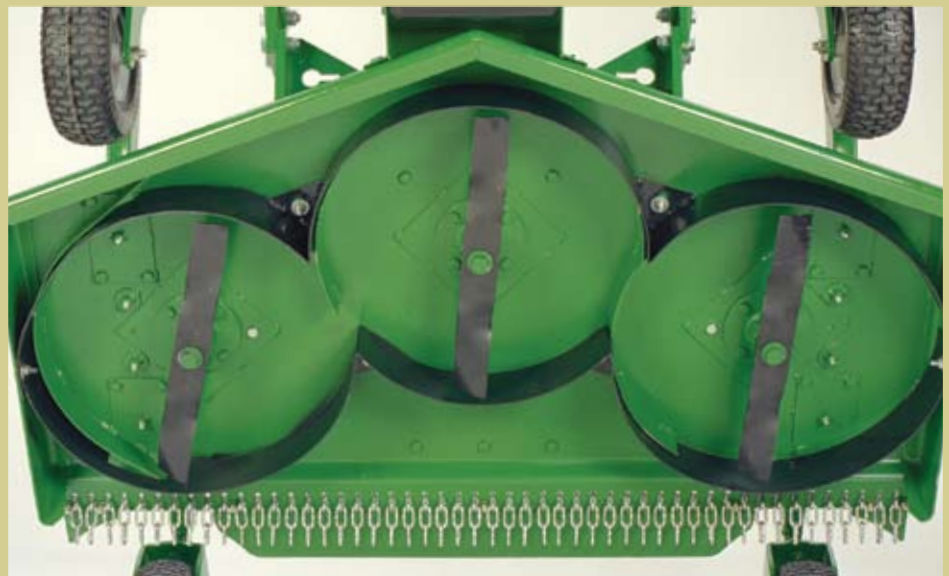
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STANDARD-DUTY 20 SERIES GROOMING MOWERS

GM2060R, GM2072R, GM2084R



The standard-duty 20 Series is a rear-discharge, three-spindle mower. Each model can be front or rear mounted and is adjustable to cutting heights of 1 to 5 inches. A floating 3-point linkage (Category 1) and heavy-duty shielded PTO shaft make connections a breeze.



Frontier 20 and 21 Series grooming mowers feature standard cutting blades. Ask your dealer about after-market blades, such as Mulching, High-Lift, and Gator for more aggressive and finer cutting.

economical prices

MOWERS

MEDIUM-DUTY 21 SERIES GROOMING MOWERS

GM2190R, GM2109R



The medium-duty 21 Series is the wider and heavier version of our rear-discharge, three-spindle mowers. Front or rear mounted, it's adjustable to cutting heights of 1.3 to 5.3 inches. A front anti-scalping roller prevents scalping problems, while six free-swinging kickback blades make the medium-duty 21 Series ideal for commercial use.



Frontier 20 and 21 Series grooming mowers can be fitted with the John Deere iMatch™ quick-hitch system. iMatch converts your tractor's 3-point hitch to fixed hooks and attaching points for a super-quick connection. (iMatch hitch and implement A-frame kit sold separately.)



The rugged gearbox on the 20 Series features spiral gears to dramatically reduce noise, increase endurance, and transfer more power to the cutting blades.



Anti-scalping rollers can be mounted to the front of each cutting deck (standard on 21 Series and GM2048R).



Stamped wheel yokes with air tires have spacers for quick and easy height adjustments.

Rugged reliability and ultra-smooth per

DETAILS: 20 AND 21 SERIES FLEX-WING GROOMING MOWERS

STANDARD-DUTY 20 SERIES FLEX-WING MOWERS

FM2012R, FM2015R, FM2017R

The 20 Series mowers have a lighter frame, but the same rugged decks as the 21 Series, making the 20 Series ideal for smaller operations. The frame also is shorter and more compact for transporting.



For extra-wide mowing, like on fields, sod farms, and school and municipal grounds, look to a rugged Frontier flex-wing mower with cutting widths up to 20 feet. The 20 and 21 Series flex-wing mowers combine high speeds with superior flexibility for a true professional-quality finish. Telescoping wings allow for adjustable cutting widths to increase or decrease mower overlap for slope applications. Decks are mounted independent of the frame for maximum flotation. High-flotation transport tires put less pressure on the ground.



The 20 and 21 Series flex-wing grooming mowers feature heavy-duty transport frames, high-flotation transport tires, and a single-action hydraulic folding wing system for easy transport and storage. SMV sign, transport safety chain and lights are standard.



Pneumatic tires put less pressure on the ground, making them ideal for use on golf courses and sports fields.

formance for your biggest jobs

MEDIUM-DUTY 21 SERIES FLEX-WING MOWERS

FM2112R, FM2115R, FM2117R, FM2120R

The backbone of the 21 Series mowers is a hefty steel frame making these mowers ideal for daily use in commercial mowing operations or facility maintenance departments.



Spindle shafts grease from the top for quick and easy service.

Decks float freely 4 inches front-to-rear and left-to-right to closely follow ground contours.

Get the cutting width and mowing overlap you need by adjusting the telescoping wings. Just remove the locking pins and roll the wings to the desired position.



The rugged gearbox features spiral gears to dramatically reduce noise, increase endurance, and transfer more power to the blades.



Standard anti-scalping rollers are mounted to the front of each cutting deck.



Stamped wheel yokes with air tires have spacers for quick and easy height adjustments.

Tough mowers with a fine finish, sized

DETAILS: ECONOMY-DUTY GROOMING MOWERS

ECONOMY-DUTY

GM1048E, GM1060E, GM1072E

Get the mowing performance and dependability you need without cutting into your standard of living. These rear-discharge economy-duty mowers tackle your mowing needs at a price you just can't argue with. Choose from 48-, 60-, and 72-inch cutting widths designed for 16 to 30 horsepower tractors.

Two tubular-steel arms strengthen the deck and support the wheels to maintain a consistent cutting height. The steel reinforced deck, quick and easy mowing height adjustment, and floating 3-point linkage (Category 1) are standard features. Additionally, these mowers boast a high blade-tip speed and precise blade overlap. These features work together to ensure exceptional strength, performance, and a quality cut.



A rugged gearbox with cooling fins provides durability and reliability.



Four swiveling wheels follow ground contours for stability and to prevent scalping.



iMatch™

Frontier economy-duty grooming mowers can be fitted with the John Deere iMatch™ quick-hitch system. iMatch™ converts your tractor's 3-point hitch to fixed hooks and attaching points for a super-quick connection. (iMatch hitch and implement A-frame kit sold separately.)



right for your property

SPECIFICATIONS

ECONOMY GROOMING MOWERS

Model Number	GM1048E	GM1060E	GM1072E
Mower deck gearbox hp	30 hp	30 hp	30 hp
Cutting width	48 in.	60 in.	72 in.
Cutting height range	1 to 4 in.	1 to 4 in.	1 to 4 in.
Caster wheels	(4) 8.4X3.2 in. solid	(4) 8.4X3.2 in. solid	(4) 8.4X3.2 in. solid
Blade speed (ft./min.)	13,188 fpm	14,763 fpm	14,566 fpm
Approx. operating wt.	340 lb.	375 lb.	440 lb.
Overall width	51 in.	63 in.	75 in.
Warranty	1 year	1 year	1 year

GROOMING MOWERS

Model Number	GM2060R	GM2072R	GM2084R	GM2190R	GM2109R
Tractor horsepower	20 to 50 hp	20 to 50 hp	25 to 50 hp	30 to 70 hp	30 to 70 hp
Type	Rear discharge	Rear discharge	Rear discharge	Rear discharge	Rear discharge
Tractor PTO speed	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm
Mower deck gearbox hp	50 hp	50 hp	50 hp	70 hp	70 hp
Hitch	Category 1	Category 1	Category 1	Category 1	Category 1
Gearbox ratio	1:3:09 (spiral gears)	1:3:09 (spiral gears)	1:3:09 (spiral gears)	1:2:08	1:2:08
Driveline	1-3/8 in. ASAE Cat. 3	1-3/8 in. ASAE Cat. 3	1-3/8 in. ASAE Cat. 3	1-3/8 in. ASAE Cat. 4	1-3/8 in. ASAE Cat. 4
Drive type	Category 3	Category 3	Category 3	Category 4	Category 4
Deck thickness	8-ga. reinforced deck	8-ga. reinforced deck	8-ga. reinforced deck	8-ga. reinforced deck	8-ga. reinforced deck
Cutting width	60 in.	72 in.	84 in.	90 in.	110 in.
Cutting height range	1 to 5 in.	1 to 5 in.	1 to 5 in.	1.3 to 5.3 in.	1.3 to 5.3 in.
Cutting height adj.	Spacer on caster	Spacer on caster	Spacer on caster	Spacer on caster	Spacer on caster
Caster wheels	(4) 10x3.2 in. solid or 11x4 in. (4 ply, with tubes) pneumatic	(4) 10x3.2 in. solid or 11x4 in. (4 ply, with tubes) pneumatic	(4) 10x3.2 in. solid or 11x4 in. (4 ply, with tubes) pneumatic	(4) 12x4 in. solid or 13x6.5 in. (4 ply, with tubes) pneumatic	(4) 12x4 in. solid or 13x6.5 in. (4 ply, with tubes) pneumatic
Caster wheel bearings	Caged roller needle bearings	Caged roller needle bearings	Caged roller needle bearings	Caged roller needle bearings	Caged roller needle bearings
Blade speed (ft./min.)	16,929 fpm	16,732 fpm	16,338 fpm	14,106 fpm (7.5 ft.)	14,954 fpm (9 ft.)
Blade spindles	3 cast iron	3 cast iron	3 cast iron	3 cast iron	3 cast iron
Blade spindle bearings	Shielded ball bearings (2) per spindle	Shielded ball bearings (2) per spindle	Shielded ball bearings (2) per spindle	Shielded ball bearings (2) per spindle	Shielded ball bearings (2) per spindle
Blade composition	Heat-treated alloy steel	Heat-treated alloy steel	Heat-treated alloy steel	Heat-treated alloy steel	Heat-treated alloy steel
Blade overlap	1-1/8 in.	1-1/8 in.	1-1/2 in.	1-3/8 in.	1-1/8 in.
Blade dimensions	(3) 20-3/16x2x1/4 in.	(3) 24-1/2x2-1/4x1/4 in.	(3) 28-1/2x2-1/4 in.	(6) 13x2-3/4x1/4 in.	(6) 15-7/8x2-3/4x1/4 in.
Belts	B-section, polyester/cogged	B-section, polyester/cogged	B-section, polyester/cogged	5VX, polyester/cogged	5VX, polyester/cogged
Belt adjustment	Single point, slotted track adjustment - no idlers	Single point, slotted track adjustment - no idlers	Single point, slotted track adjustment - no idlers	Single point, slotted track adjustment - no idlers	Single point, slotted track adjustment - no idlers
Mulching kit available	Optional	Optional	Optional	N/A	N/A
Approx. operating wt.	550 lb.	600 lb.	690 lb.	1,102 lb.	1,490 lb.
Front roller kit	Optional	Optional	Standard	Standard	Standard
Warranty	1 year	1 year	1 year	1 year	1 year

Frontier Grooming Mowers:

Rugged. Reliable. Ready ... that's Frontier.

SPECIFICATIONS

FLEX-WING, REAR-DISCHARGE GROOMING MOWERS

Model number	FM2012R	FM2015R	FM2017R	FM2112R	FM2115R	FM2117R	FM2120R
Transport width	7 ft. 7 in.	8 ft. 1 in.	8 ft. 4 in.	7 ft. 7 in.	8 ft. 1 in.	8 ft. 4 in.	8 ft. 9 in.
Cutting width	12 ft.	15 ft.	17 ft.	12 ft.	15 ft.	17 ft.	20 ft.
Transport tongue wt.	774 lb.	807 lb.	953 lb.	945 lb.	986 lb.	1,170 lb.	1,220 lb.
Transport tires	(2) 20.5x8x10 in.	(2) 20.5x8x10 in.	(2) 20.5x8x10 in.	(2) 23x10.5x12 in.	(2) 23x10.5x12 in.	(2) 23x10.5x12 in.	(2) 23x10.5x12 in.
Transport length	11 ft. 10 in.	12 ft. 2 in.	12 ft. 7 in.	11 ft. 10 in.	12 ft. 2 in.	12 ft. 4 in.	15 ft.
Transport height	6 ft. 2 in.	7 ft. 8 in.	8 ft. 7 in.	6 ft. 2 in.	7 ft. 8 in.	8 ft. 7 in.	9 ft. 8 in.
Tractor PTO speed	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm
Tractor horsepower	25 to 80 hp	30 to 80 hp	35 to 80 hp	35 to 80 hp	35 to 80 hp	35 to 80 hp	35 to 80 hp
Splitter gearbox hp	80 hp	80 hp	80 hp	80 hp	80 hp	80 hp	80 hp
Overall width	12 ft. 2 in.	15 ft. 2 in.	17 ft. 2 in.	12 ft. 2 in.	15 ft. 2 in.	17 ft. 2 in.	20 ft. 2 in.
Operating tongue wt.	374 lb.	381 lb.	389 lb.	456 lb.	466 lb.	477 lb.	489 lb.
Maximum overall length	12 ft. 8 in.	13 ft.	13 ft.	13 ft. 10 in.	14 ft. 7 in.	15 ft. 5 in.	16 ft. 3 in.
Mainframe construction	3.5 in. tubing	3.5 in. tubing	3.5 in. tubing	4 in. tubing	4 in. tubing	4 in. tubing	4 in. tubing
Input driveline	Category 6 CV w/slip clutch	Category 6 CV w/slip clutch	Category 6 CV w/slip clutch	Category 6 CV w/slip clutch	Category 6 CV w/slip clutch	Category 6 CV w/slip clutch	Category 6 CV w/slip clutch
Hitch	Category 1 or 2 drawbar	Category 1 or 2 drawbar	Category 1 or 2 drawbar	Category 1 or 2 drawbar	Category 1 or 2 drawbar	Category 1 or 2 drawbar	Category 1 or 2 drawbar
Hitch adjustment	4 position	4 position	4 position	4 position	4 position	4 position	4 position
Ground pressure	9.1 psi	9.6 psi	10 psi	6.5 psi	7.2 psi	8.0 psi	8.7 psi
Gearbox ratio	1:3:09 (spiral gears)	1:3:09 (spiral gears)	1:3:09 (spiral gears)	1:3:09 (spiral gears)	1:3:09 (spiral gears)	1:3:09 (spiral gears)	1:3:09 (spiral gears)
Driveline	Category 3	Category 3	Category 3	Category 3	Category 3	Category 3	Category 3
Drive type	Gearbox over V-belts (2)	Gearbox over V-belts (2)	Gearbox over V-belts (2)	Gearbox over V-belts (2)	Gearbox over V-belts (2)	Gearbox over V-belts (2)	Gearbox over V-belts (2)
Deck thickness	8-gauge steel plate	8-gauge steel plate	8-gauge steel plate	8-gauge steel plate	8-gauge steel plate	8-gauge steel plate	8-gauge steel plate
Deck overlap	6 in. (adj. to 9 in.)	6 in. (adj. to 9 in.)	6 in. (adj. to 9 in.)	6 in. (adj. to 9 in.)	6 in. (adj. to 9 in.)	6 in. (adj. to 9 in.)	6 in. (adj. to 9 in.)
Deck lift cylinders	2.5x10 in. single acting	2.5x10 in. single acting	2.5x10 in. single acting	2.5x10 in. single acting	2.5x10 in. single acting	2.5x10 in. single acting	2.5x10 in. single acting
Cutting height range	1 to 5 in.	1 to 5 in.	1 to 5 in.	1 to 5 in.	1 to 5 in.	1 to 5 in.	1 to 5 in.
Cutting height adj.	Spacer on caster	Spacer on caster	Spacer on caster	Spacer on caster	Spacer on caster	Spacer on caster	Spacer on caster
Ctr. deck cutting width	5 ft.	6 ft.	6 ft.	5 ft.	6 ft.	6 ft.	7 ft.
Wing deck cutting width	4 ft.	5 ft.	6 ft.	4 ft.	5 ft.	6 ft.	7 ft.
Caster wheels	(12) 11x4 in. pneumatic	(12) 11x4 in. pneumatic	(12) 11x4 in. pneumatic	(12) 13x6.5 in. pneumatic	(12) 13x6.5 in. pneumatic	(12) 13x6.5 in. pneumatic	(12) 13x6.5 in. pneumatic
Caster wheel bearings	Caged roller needle bearings	Caged roller needle bearings	Caged roller needle bearings	Caged roller needle bearings	Caged roller needle bearings	Caged roller needle bearings	Caged roller needle bearings
Blade tip speed	15,747 fpm average	16,863 fpm average	16,732 fpm average	15,747 fpm average	16,863 fpm average	16,732 fpm average	16,338 fpm average
Blade spindles	(9) cast iron	(9) cast iron	(9) cast iron	(9) cast iron	(9) cast iron	(9) cast iron	(9) cast iron
Blade spindle bearings (2 per spindle)	Shielded ball bearings	Shielded ball bearings	Shielded ball bearings	Shielded ball bearings	Shielded ball bearings	Shielded ball bearings	Shielded ball bearings
Blade composition	Heat-treated alloy steel	Heat-treated alloy steel	Heat-treated alloy steel	Heat-treated alloy steel	Heat-treated alloy steel	Heat-treated alloy steel	Heat-treated alloy steel
Belts	B-section, polyester/cogged	B-section, polyester/cogged	B-section, polyester/cogged	B-section, polyester/cogged	B-section, polyester/cogged	B-section, polyester/cogged	B-section, polyester/cogged
Belt adjustment	Single-point, slotted track adjustment, no idlers	Single-point, slotted track adjustment, no idlers	Single-point, slotted track adjustment, no idlers	Single point, slotted track adjustment, no idlers	Single point, slotted track adjustment, no idlers	Single point, slotted track adjustment, no idlers	Single point, slotted track adjustment, no idlers
Blade overlap	1-1/8 in.	1-1/8 in.	1-1/8 in.	1-1/8 in.	1-1/8 in.	1-1/8 in.	1-1/8 in.
Blade dimensions	(6) 16.63x2x.25 in. (3) 20.19x2x.25 in.	(6) 20.19x2x.25 in. (3) 24.5x2x.25 in.	(9) 24.5x2x.25 in.	(6) 16.63x2x.25 in. (3) 20.19x2x.25 in.	(6) 20.19x2x.25 in. (3) 24.5x2x.25 in.	(9) 24.5x2x.25 in.	(9) 28.5x2.25x.25 in.
Approx. operating wt.	2,465 lb.	2,595 lb.	2,720 lb.	2,821 lb.	3,130 lb.	3,438 lb.	3,747 lb.
Warranty	1 year	1 year	1 year	1 year	1 year	1 year	1 year

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