

# Grooming Mowers



Standard-Duty • Medium-Duty • Flex-wing



# Frontier has your cutting needs covered

When you have demanding mowing projects in store, why settle for anything less than equipment that's rugged, reliable, and ready to go when you are?

With Frontier grooming mowers, you don't have to settle. Whether you choose the versatile flex-wing mowers, or powerful rear discharge mowers, you get proven strength, performance, and dependability with every pass. These Frontier grooming mowers come with standard features like spring-loaded idlers for increased belt life, saving you downtime. All blades are made from heat-treated alloy steel for maximum performance in a variety of conditions. Plus, pivoting hitches come standard on all flex-wing mowers. They flex to allow the mower to better follow the terrain with less stress and wear to the tractor drawbar. Now you can equip your Frontier grooming mower with optional pneumatic tires. They flex to absorb weight; providing less ground pressure and less vibration.

All these benefits and more add up to the kind of mowing capacity you want. Why settle for anything less?

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## Grooming Mowers Specifications and Details

Model Number	GM1060	GM1072	GM1084	GM1190	GM3054	GM3060	GM3072
Type	Rear discharge	Rear discharge	Rear discharge	Rear discharge	Rear discharge	Rear discharge	Rear discharge
Cutting width	60 in. (1.52 m)	72 in. (1.83 m)	84 in. (2.13 m)	90 in. (2.29 m)	54 in. (1.37 m)	60 in. (1.52 m)	72 in. (1.83 m)
Cutting height range	1-5.5 in. (2.5-14 cm)	1-5.5 in. (2.5-14 cm)	1-4.25 in. (2.5-10.8 cm)	1.5-7 in. (2.5-17.8 cm)	1-4.5 in. (2.5-11.4 cm)	1-4.5 in. (2.5-11.4 cm)	1-4.5 in. (2.5-11.4 cm)
Tractor horsepower	15-40 hp (11-30 kW)	20-40 hp (15-30 kW)	25-40 hp (19-30 kW)	45-75 hp (34-56 kW)	15-25 hp (11-19 kW)	15-35 hp (11-26 kW)	20-35 hp (15-26 kW)
Tractor PTO speed	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm	540 rpm
Hitch	Cat. 1	Cat. 1	Cat. 1	Cat. 1 and 2	Limited	Cat. 1	Cat. 1
iMatch compatible	With optional kit	With optional kit	With optional kit	With optional kit	No	With optional kit	With optional kit
Mower deck gearbox hp	60 hp (45 kW)	60 hp (45 kW)	60 hp (45 kW)	75 hp (56 kW)	25 hp (19 kW)	35 hp (26 kW)	35 hp (26 kW)
Operating weight	653 lb. (296 kg)	719 lb. (326 kg)	830 lb. (376 kg)	1,333 lb. (605 kg)	401 lb. (182 kg)	503 lb. (228 kg)	603 lb. (274 kg)
Drive type	Gearbox over v-belt	Gearbox over v-belt	Gearbox over v-belt	Gearbox over 2 v-belts	Gearbox over v-belt	Gearbox over v-belt	Gearbox over v-belt
Driveline	Category 3	Category 3	Category 3	Category 4	Category 3	Category 3	Category 3
Blade dimensions	(3) .25 x 2.5 in. (.6 x 6.4 cm)	(3) .25 x 2.5 in. (.6 x 6.4 cm)	(3) 5/16 x 2.5 in. (.8 cm x 6.4 cm)	(6) .25 x 2.5 in. (.63 x 6.4 cm)	(3) .25 x 2.5 in. (.6 x 6.4 cm)	(3) .25 x 2.5 in. (.6 x 6.4 cm)	(3) .25 x 2.5 in. (.6 x 6.4 cm)
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
Blade spindles	(3) cast iron	(3) cast iron	(3) cast iron	(3) cast iron	(3) cast iron	(3) cast iron	(3) cast iron
Blade spindle bearings	Tapered roller	Tapered roller	Tapered roller	Tapered roller	Ball	Ball	Ball
Blade tip speed	18,100 fpm	18,000 fpm	17,900 fpm	17,000 fpm	16,200fpm	18,030 fpm	18,000 fpm
Blade overlap	1.5 in. (3.8 cm)	1.5 in. (3.8 cm)	2 in. (5.1 cm)	2 in. (5.1 cm)	1 in. (2.5 cm)	1.5 in. (3.8 cm)	1.5 in. (3.8 cm)
Cutting height adjustment	Spacer on caster	Spacer on caster	Spacer on caster	Spacer on caster	Spacer on caster	Spacer on caster	Spacer on caster
Deck thickness	8-gauge steel plate	8-gauge steel plate	8-gauge steel plate	7-gauge steel plate	10-gauge steel plate	8-gauge steel plate	8-gauge steel plate
Belts	B section, Kevlar® with clutching cover	B section, Kevlar® with clutching cover	B section, Kevlar® with clutching cover	Power band, B section, Kevlar®	B section, Kevlar®	B section, Kevlar®	B section, Kevlar®
Belt adjustment	Spring-loaded idler	Spring-loaded idler	Spring-loaded idler	Spring-loaded idler	Spring-loaded idler	Spring-loaded idler	Spring-loaded idler
Caster wheels	(4) 10 x 4 in. solid (25.4 x 10.2 cm)	(4) 10 x 4 in. solid (25.4 x 10.2 cm)	(4) 10 x 4 in. solid (25.4 x 10.2 cm)	(4) 13 x 5 in. solid (33 x 12.7 cm)	(4) 10 x 3.25 in. solid (25.4 x 8.3 cm)	(4) 10 x 3.25 in. solid (25.4 x 8.3 cm)	(4) 10 x 3.25 in. solid (25.4 x 8.3 cm)
Caster wheel bearings	Roller bearings	Roller bearings	Roller bearings	Tapered roller bearings	Sintered iron	Sintered iron	Sintered iron
Pnuematic tires	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Warranty <sup>1</sup>	3 year blade spindle 6 year gear box	3 year blade spindle 6 year gear box	3 year blade spindle 6 year gear box	3 year blade spindle 6 year gear box	1 year machine 3 year gear box	1 year machine 3 year gear box	1 year machine 3 year gear box



The GM10 Series Grooming Mowers come with a rugged 60 hp (45 kW) gearbox.



The Frontier 10, 11, and 30 Series Grooming Mowers and Flex-Wing Mowers offer a wide range of blade styles to match the finish cut you want. Choose from standard lift (GM11), medium lift/high lift (GM10), low lift/high lift (FM10), and high lift (FM30).



A round front, tapered rear deck design enables close mowing along trees, fences, building, and other obstacles.



# FRONTIER Built to meet the challenges you face

## Flex-Wing Grooming Mowers Specifications and Details

Model Number	FM3012	FM1012	FM1015	FM1017
Type	Flex-wing, rear discharge	Flex-wing, rear discharge	Flex-wing, rear discharge	Flex-wing, rear discharge
Cutting width	12.5 ft. (3.81 m)	12 ft. (3.66 m)	15 ft. (4.57 m)	17 ft. (5.18 m)
Cutting height range	1-4.5 in. (2.5-11.4 cm)	1-5 in. (2.5-12.7 cm)	1-5 in. (2.5-12.7 cm)	1-5 in. (2.5-12.7 cm)
Wing deck cutting width	4.5 ft. (1.37 m)	4 ft. (1.2 m)	5 ft. (1.5 m)	6 ft. (1.8 m)
Center deck cutting width	4.5 ft. (1.37 m)	5 ft. (1.5 m)	6 ft. (1.8 m)	6 ft. (1.8 m)
Deck overlap	6 in. (15.2 cm)	6.5 in. (16.5 cm)	6 in. (15.2 cm)	6 in. (15.2 cm)
Overall width	151 in. (3.84 m)	146 in. (3.71 m)	182 in. (4.62 m)	206 in. (5.23 m)
Transport width	93 in. (2.36 m)	96 in. (2.44 m)	100 in. (2.54 m)	114 in. (2.9 m)
Maximum overall length	135 in. (3.43 m)	173 in. (4.4 m)	183 in. (4.7 m)	183 in. (4.7 m)
Transport length	126 in. (3.2 m)	158 in. (4 m)	161 in. (4.1 m)	161 in. (4.1 m)
Transport height	71 in. (1.8 m)	72 in. (1.83 m)	99 in. (2.51 m)	105 in. (2.67 m)
Tractor horsepower	25-60 hp (19-45 kW)	30-80 hp (22-60 kW)	35-80 hp (26-60 kW)	40-80 hp (30-60 kW)
Tractor PTO speed	540 rpm	540 rpm	540 rpm	540 rpm
Hitch	Drawbar	Drawbar	Drawbar	Drawbar
Splitter gearbox horsepower	100 hp (75 kW)	100 hp (75 kW)	100 hp (75 kW)	100 hp (75 kW)
Mower gearbox horsepower	35 hp (26 kW)	75 hp (56 kW)	75 hp (56 kW)	75 hp (56 kW)
Operating weight	2,035 lb. (923 kg)	3,010 lb. (1,365 kg)	3,300 lb. (1,497 kg)	3,450 lb. (1,565 kg)
Transport tongue weight	510 lb. (231 kg)	700 lb. (318 kg)	720 lb. (327 kg)	800 lb. (363 kg)
Operating tongue weight	320 lb. (145 kg)	310 lb. (141 kg)	330 lb. (150 kg)	400 lb. (181 kg)
Ground pressure	5 lb. psi (35 kpa)	9 lb. psi (62 kpa)	9.7 lb. psi (67 kpa)	16 lb. psi (110.3 kpa)
Drive type	Gear box over v-belt	Gear box over v-belt	Gear box over v-belt	Gear box over v-belt
Gearbox ratio	1:2.5	1:1.92	1:1.92	1:1.92
Wing driveline	Category 3	Category 3	Category 3	Category 3
Blade dimensions	(7) .25 x 2.5 in. (.6 x 6.3 cm)	(7) .25 x 2.5 in. (.6 x 6.3 cm)	(9) .25 x 2.5 in. (.6 x 6.3 cm)	(9) .25 x 2.5 in. (.6 x 6.3 cm)
Blade composition	Heat-treated alloy steel	Heat-treated alloy steel	Heat-treated alloy steel	Heat-treated alloy steel
Blade spindles	(7) Cast iron	(7) Cast iron	(9) Cast iron	(9) Cast iron
Blade spindle bearings	Ball	Tapered Roller	Tapered Roller	Tapered Roller
Blade tip speed	16,200 fpm	18,000 fpm	18,000 fpm	18,000 fpm
Blade overlap	1 in. (3 cm)	1.5 in. (3.8 cm)	1.5 in. (3.8 cm)	1.5 in. (3.8 cm)
Cutting height adjustment	Spacer on caster	Spacer on caster	Spacer on caster	Spacer on caster
Hitch adjustment	Self-leveling, multi-position	Self-leveling, multi-position	Self-leveling, multi-position	Self-leveling, multi-position
Input driveline	Category 3 CV	Category 4 CV	Category 4 CV	Category 4 CV
Deck thickness	10-gauge steel plate	8-gauge steel plate	8-gauge steel plate	8-gauge steel plate
Deck lift cylinders	3 x 10 in. (7.62 x 25.4 cm) single acting	3.5 x 10 in. (9 x 25.4 cm) single acting	3.5 x 10 in. (9 x 25.4 cm) single acting	3.5 x 10 in. (9 x 25.4 cm) single acting
Mainframe construction	4 in. (10.16 cm) square tubing	3 in. (7.62 cm) square tubing	3 in. (7.62 cm) square tubing	3 in. (7.62 cm) square tubing
Belts	B section, Kevlar®	B section, Kevlar®	B section, Kevlar®	B section, Kevlar®
Belt adjustment	Spring-loaded idler	Spring-loaded idler	Spring-loaded idler	Spring-loaded idler
Caster wheels	(10) 4 x 10 x 6 in. (10.16 x 25.4 x 15.2 cm) pneumatic	(10) 15 x 6 x 6 in. (38.1 x 15.2 x 15.2 cm) pneumatic	(10) 18 x 9.5 x 8 in. (45.7 x 24.1 x 20.3 cm) pneumatic	(10) 18 x 9.5 x 8 in. (45.7 x 24.1 x 20.3 cm) pneumatic
Caster wheel bearings	Sintered iron	Roller bearings	Roller bearings	Roller bearings
Transport tires	(2) 20 x 8 x 10 in. (50.8 x 20.3 x 25.4 cm)	(2) 20.5 x 8 x 10 in. (52.1 x 20.3 x 25.4 cm)	(2) 20.5 x 8 x 10 in. (52.1 x 20.3 x 25.4 cm)	(2) 20.5 x 8 x 10 in. (52.1 x 20.3 x 25.4 cm)
Warranty <sup>1</sup>	1 year blade spindle 3 year gear box	3 year blade spindle 6 year gear box	3 year blade spindle 6 year gear box	3 year blade spindle 6 year gear box

<sup>1</sup> Hour and/or usage limitations may apply. See Warranty for new John Deere Agricultural Products or contact your local dealer for details.

Note: models/items may not be exactly as shown.

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The rugged gearbox on the 10 Series Flex-Wing Grooming Mowers transfer power to the blades.



10 Series Flex-Wing Mower decks are made of 8-gauge reinforced steel and feature a round-tapered-style front deck for a closer trim.



The 10 series Flex-Wing Grooming Mowers offer cutting widths of 12, 15, and 17 feet (3.66, 4.57, and 5.18 m) to meet large turf maintenance needs.

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