

Front Mowers

1500 Series TerrainCut™

Wide-Area Mowers

1600 Turbo Series III



JOHN DEERE

Every season is our season.



Get more mower. And get more done.

John Deere Front Mowers and Wide-Area Mowers are designed for one thing: to help you take care of everything in your path.

If that means handling a workload that covers every hour in the day – and every day of the year – you'll want to employ the 1500 Series TerrainCut™ Mowers, a breed of powerful, versatile all-season performers. With powerful diesel engines, a wide assortment of implements and a factory-installed sealed cab that keeps the heat, wind, cold and rain at bay, they keep you going all year long.

And if it means an endless swath of grass just waiting to be cut down to size, the 1600 Series II Turbo Wide-Area Mower is always ready to roll on and on. And always considerate of the operators along for the ride, with everything from an adjustable air ride seat to an ergonomic control cluster.

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- ✓ These **Front Mowers** and **Wide-Area Mowers** come with something you can't get with any other equipment: NeverStop® Services and Support. This unparalleled array of support, service, parts, financing and more makes it a snap to get the most out of your fleet. Get all the details starting on page 20.
- ✓ And just about the most important piece of your John Deere experience is your authorized John Deere dealer. That's where you'll find the authentic parts, certified technicians and knowledgeable people who can help keep you up and running.

1500 Series TerrainCut™ Mowers

Meet your anytime, anywhere mower.

They say there's a mower for every job. We say there's a mower that can handle just about any job you throw at it. It's called the 1500 Series TerrainCut.

The most capable year-round front mount mowers we've ever made, this lineup delivers unsurpassed performance. With an available factory-installed ComfortCab, powerful diesel engines that meet US EPA T4 requirements, and 7-Iron™ PRO decks, the 1500 TerrainCut Series Mowers are more than up to the task.

Make that tasks – because the 1500 Series is also the most versatile front mower we've ever made. When you combine the full array of available attachments and implements with that heated, cooled, sealed, sit-back-and-get-to-work-in-any-weather cab, you've got a machine that pretty much stops at nothing. Mowing and sweeping, pushing and plowing? It's all in a day's work. Every day of the year.



24.2 hp (17.8 kW) and 37.4 hp (27.5 kW) Tier 4 diesel engines give you the power to cut wet grass, throw packed snow and sweep up leaves.

Key Features of the new 1500 Series TerrainCut Mowers

1550	1570	1575	1580	1585
<ul style="list-style-type: none"> • 2WD or 4WD • 24.2 hp (17.8 kW)¹ • 0-12 mph (0-19.3 km/h) • Biodiesel kit available • 24-month Warranty 	<ul style="list-style-type: none"> • 2WD or 4WD • 37.4 hp (27.5 kW)¹ • 0-12 mph (0-19.3 km/h) • B20 Biodiesel compatible • 24-month Warranty 	<ul style="list-style-type: none"> • 4WD • 37.4 hp (27.5 kW)¹ • Factory-Installed ComfortCab • 0-12 mph (0-19.3 km/h) • B20 Biodiesel compatible • 24-month Warranty 	<ul style="list-style-type: none"> • 4WD • 37.4 hp (27.5 kW)¹ • 0-15 mph (0-24 km/h) • B20 Biodiesel compatible • 24-month Warranty 	<ul style="list-style-type: none"> • 4WD • 37.4 hp (27.5 kW)¹ • Factory-Installed ComfortCab • 0-15 mph (0-24 km/h) • B20 Biodiesel compatible • 24-month Warranty

Sit tall in the saddle.

At the center is the factory-installed Air Ride Seat, complete with pushbutton suspension adjustment. At your fingertips is an ergonomically designed control station, with everything placed to enhance comfort. And out in front of you is a great view of everything in your path, thanks to a sleek design that improves sightlines.



Tilted in your favor.
Built-in tilt steering lets operators get even more comfortable behind the wheel.

Folded for flexibility.
The standard 2-post Roll-Gard ROPS folds down to allow additional clearance through tight spaces.



Deluxe Comfort Seat with Armrests

All of our open station 1500s come standard with a high-quality seat that includes a high back and adjustable armrests.



Comfort Adjust Suspension Seat with Armrests

Move up to an adjustable mechanical spring suspension (along with adjustable armrests, lumbar and seat back) that lets operators dial in for a comfortable ride.



Air Ride Suspension Seat with Armrests

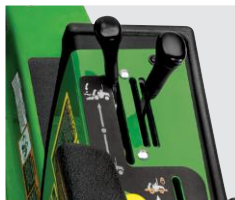
Get an air ride suspension, along with adjustable armrests, lumbar and seat back, with a vinyl cover.

ComfortCab Exclusive



Upholstered Air Ride Suspension Seat with Armrests

This standard feature is the ultimate way to ride in style, with adjustable armrests, lumbar and seat back, and upholstered fabric seat.



Hydraulic Power
Main lift control valve and optional auxiliary hydraulics can be controlled right from the operator platform.



Braking Power
Turning brakes put greater maneuverability right at the operator's feet.



Switching Power
The deck lift system makes changing implements and attachments fast and easy.



Transport Power
The 2-Speed transmission, available on the 1580 and 1585, is easily controlled from the operator seat and provides faster transport speeds to save time between jobs.

Work hard. With ease.

The 1600 Turbo Series III was designed to run hard all day, day after day. What does that mean? First, it's tough as nails. Even the Flat Free caster tires work to keep the machine on the job.

And second, as hard as it is on turf, it's surprisingly easy on operators. We take comfort seriously, from the air-ride seat and pedals to the tilt steering wheel and control cluster, fatigue is minimized and efficiency is maximized.

We've even gone ahead and made things easier for your mechanics. With everything from a 90° hood opening to easy-access daily service points to Service ADVISOR™ that automatically delivers symptoms-based diagnostics, it delivers the reliability, ease of use and serviceability you expect from John Deere.



The air-ride, high-backed seat is comfortable with soft, body-contoured cushions. Seat adjustment controls are color coded for simplicity and the seat's suspension has been reinforced and strengthened. That's one tough and comfortable seat.

Ergonomic control cluster Carefully arranged for efficiency, comfort and safety – and placed to the operator's right.



Designed from your point of view.

Tilt steering adjusts for improved comfort and visibility; electronic cruise control lends a helping hand for transporting or mowing open areas.



Heavy-duty workload? No sweat.

There's nothing wrong with a little power – as long as it doesn't come saddled with a lot of downtime. Fortunately, with the 1600 Turbo Series III our engineers have figured out how to reverse that equation: You get lots of power, with little downtime.

The 1600 is made to run hard, and run long – in either full-time or on-demand 4WD –without running hot. For power, you've got a 60.0 hp (44.0 kW)¹ turbo-charged liquid-cooled diesel engine. To keep it running through even the hottest part of the day, it's got a top-draw air intake, designed to direct air to the radiator and oil cooler without picking up mower debris. And to make sure it runs as efficiently and cleanly as possible, there's a cooled exhaust gas recirculation (EGR) system.

Deck impact-absorbing system

Flat Free caster tires

Top-draw air intake



Specifications

TERRAINCUT MOWERS

	1550	1570	1575
Engine			
Engine Model	3TNV80F	3TNV88C	3TNV88C
Horsepower, Gross SAE J1995, PS	24.2 HP (17.8 kW) ¹ , @ 3000 rpm, PS	37.4 HP (27.5 kW) ¹ , @ 3000 rpm, PS	37.4 HP (27.5 kW) ¹ , @ 3000 rpm, PS
Cylinders	3-cylinder Diesel	3-cylinder Diesel	3-cylinder Diesel
Displacement	77 cu. in. (1.27 L)	100.2 cu. in. (1.64 L)	100.2 cu. in. (1.64 L)
Lubrication	Full Pressure	Full Pressure	Full Pressure
Oil Filter	Spin-on	Spin-on	Spin-on
Cooling	Liquid	Liquid	Liquid
Air Cleaner	Dual element, dry	Dual element, dry	Dual element, dry
Fuel System			
Fuel Type	Diesel	Diesel	Diesel
Fuel Capacity	16 U.S. gal. (61 L)	16 U.S. gal. (61 L)	16 U.S. gal. (61 L)
Electrical			
Charging system	Automotive type	Automotive type	Automotive type
Alternator, AMP	75	75	95
Battery Voltage	12	12	12
Cold Cranking amps @ 0 deg. F	480	480	480
Power Train			
Type	Hydrostatic	Hydrostatic	Hydrostatic
Speed and Direction Control	Two-pedal foot	Two-pedal foot	Two-pedal foot
Cruise Control	Optional	Optional	Optional
Hi/Lo Range	No, single speed transmission	No, single speed transmission	No, single speed transmission
4-Wheel Drive	Optional	Optional	Standard
Differential Lock	Yes	Yes	Yes
Travel Speed Forward	0-12 mph (0-19.3 km/h)	0-12 mph (0-19.3 km/h)	0-12 mph (0-19.3 km/h)
Travel Speed Reverse	0-5 mph (0-8 km/h)	0-5 mph (0-8 km/h)	0-5 mph (0-8 km/h)
Power Take-off			
PTO	Front	Front	Front
PTO Clutch	Wet multi-disk, modulated	Wet multi-disk, modulated	Wet multi-disk, modulated
PTO Drive Output	2000 rpm	2000rpm	2000 rpm
Hydraulics			
Type	Open center	Open center	Open center
Pump Capacity	5.1 U.S. gpm (19.3 L/m)	5.1 U.S. gpm (19.3 L/m)	5.1 U.S. gpm (19.3 L/m)
Spool Valve	Front lift, std	Front lift, std	Front lift, std
Brakes			
Type	Internal wet disk	Internal wet disk	Internal wet disk
Individual Turn Brakes	Standard	Standard	Standard
Tire Size			
Drive	23x10.5-12, Optional: 23x8.5-12	23x10.5-12, Optional: 23x8.5-12	23x10.5-12
Ply Rating	4	4	4
Dimensions			
Wheelbase	49.2 in. (125 cm)	49.2 in. (125 cm)	49.2 in. (125 cm)
Ground Clearance	6.5 in. (16.5 cm)	6.5 in. (16.5 cm)	6.5 in. (16.5 cm)
Overall Width	51.7 in. (131.3 cm), (23x10.5 tires)	51.7 in. (131.3 cm), (23x10.5 tires)	58 in. (147.3 cm), (23x10.5 tires, wide stance)
Overall Length (less mower deck)	86.7 in. (220.2 cm)	86.7 in. (220.2 cm)	86.7 in. (220.2 cm)
ROPS			
Roll Over Protective Structure	Standard	Standard	CAB
ROPS Certification	ISO 21299:2009	ISO 21299:2009	ISO 21299:2009
Overall Height with ROPS	82.7 in. (210 cm)	82.7 in. (210 cm)	N/A
Overall Height with ROPS Folded	58 in. (147.3 cm)	58 in. (147.3 cm)	N/A
Overall Height with CAB	N/A	N/A	83.9 in. (213.1 cm)
Machine Weight	2WD: 1675 lb. (760 kg), 4WD: 1835 lb (832 kg)	2WD: 1850 lb. (816 kg), 4WD: 1960 lb. (889 kg) 4WD	2436 lb. (1105 kg)
Warranty²			
Duration	24 months	24 months	24 months

1580

3TNV88C
 37.4 HP (27.5 kW)¹, @ 3000 rpm, PS
 3-cylinder Diesel
 100.2 cu. in. (1.64 L)
 Full Pressure
 Spin-on
 Liquid
 Dual element, dry

Diesel
 16 U.S. gal. (61 L)

Automotive type
 75
 12
 480

Hydrostatic
 Two-pedal foot
 Optional
 Yes, dual speed trans.
 Standard
 Yes
 High 0-15 mph/Low 0-8 mph (High 0-24 km/h / Low 0-13 km/h)
 High 0-5 mph / Low 0-5 mph (High 0-8 km/h / Low 0-8km/h)

Front
 Wet multi-disk, modulated
 2000 rpm

Open center
 6.3 U.S. gpm (23.8 L/m)
 Front lift, std

Internal wet disk
 Standard

26x12-12
 6

49.2 in. (125 cm)
 7 in. (17.8 cm)
 55.5 in. (140.9 cm)
 86.7 in. (220.2 cm)

Standard
 ISO 21299:2009
 83.7 in. (212.6 cm)
 59 in. (149.9 cm)
 N/A
 2120 lb. (962 kg)

24 months

1585

3TNV88C
 37.4 HP (27.5 kW)¹, @ 3000 rpm, PS
 3-cylinder Diesel
 100.2 cu. in. (1.64 L)
 Full Pressure
 Spin-on
 Liquid
 Dual element, dry

Diesel
 16 U.S. gal. (61 L)

Automotive type
 95
 12
 480

Hydrostatic
 Two-pedal foot
 Optional
 Yes, dual speed trans.
 Standard
 Yes
 High 0-15 mph/Low 0-8 mph (High 0-24 km/h / Low 0-13 km/h)
 High 0-5 mph / Low 0-5 mph (High 0-8 km/h / Low 0-8km/h)

Front
 Wet multi-disk, modulated
 2000 rpm

Open center
 6.3 U.S. gpm (23.8 L/m)
 Front lift, std

Internal wet disk
 Standard

26x12-12
 6

49.2 in. (125 cm)
 7 in. (17.8 cm)
 58 in. (147.3 cm), (26x12 tires, wide stance)
 86.7 in. (220.2 cm)

CAB
 ISO 21299:2009
 N/A
 N/A
 85.2 in. (216.4 cm)
 2593 lb. (1176 kg)

24 months

Specifications

WIDE-AREA MOWER

1600 Turbo Series III**Engine**

Certified Horsepower
 Engine Model
 Displacement
 Cylinders
 Oil Filter
 Lubrication
 Cooling
 Air Cleaner

Fuel System

Fuel Type
 Fuel Tank Capacity

Electrical System

Charge System
 Battery Voltage
 Hour Meter
 Operator Presence Starting System

Drive Train

Hydraulic Pumps
 Wheel Motors
 Hydraulic Capacity
 Travel Speed Forward
 Travel Speed Reverse

PTO

Type
 Drive

Brakes

Park Brake
 Park Brake Actuation

Mower Decks

Available Widths / Type
 Deck construction
 Deck thickness
 Height-of-Cut Range / Increment

Blades

Tip Speed
 Number

Wheels and Tires

Drive (Rear) Tires
 Caster Wheel Type
 Caster Wheel Size

Dimensions

Overall Length
 Overall Width (chute down)
 Height
 Weight (with Fluids)

Warranty²

Duration
 Type

60 HP (44 KW)¹ @ 3000 RPM, PS
 4TNV84T-ZDJWM (T4)
 127.6 cu in 2.091 L (2091 CC)
 4
 Spin-On
 Pressurized by lobe-style pump
 Liquid-cooled water centrifugal
 Dual-element dry type

Diesel
 22 US gallons (83.3 L)

75 amp
 12 Volt
 Standard
 Standard

Closed Loop Hydrostatic
 2 cu. in. displacement axial piston motor
 14.0 U.S. gal. (53.0 L)
 High 0-15 mph (0-24 km/h) / Low 0-9 mph (0-14.5 km/h)
 High 0-7.5 mph (0-12 km/h) / Low 0-4.5 mph (0-7.2 km/h)

Hydraulic, Independent
 Electric solenoid

Internal wet disk
 Hand brake

62, 94, 128 in. (157, 239, 325 cm)
 Fabricated Steel
 7 gauge (.177 in)
 1.0 - 5.5 in (2.5 - 14 cm)

13,000 f/m
 7 - 3 center, 2 left, 2 right

26x12-12
 Flat Free
 11x4.0-5

132 in (335 cm)
 134 in (340 cm)
 ROPS up, 98 in. (249 cm) ROPS down, 74 in. (188 cm)
 With four-post canopy ROPS, 82 in. (208 cm)
 4,173 lbs. (1893 kg)

24 months
 Single Source Commercial