# 1 Series

Sub-Compact Utility Tractors

JOHN DEERE

# One series.
# Endless possibilities.

When you've got a property to maintain, you need a machine that's versatile enough to handle just about any task. That's where the 1 Series comes in. With three models to choose from, and an array of specialty implements and attachments, 1 Series Sub-Compact Utility Tractors are meticulously engineered to get things done.

Tackle everyday chores with the economical, open station 1E 23, navigate tight spaces with the 1M 25 while enjoying the heated-and-cooled comfort of an optional HVAC cab, or take on your most demanding projects with the rugged 1R 25.

With any model you choose, you're getting a year-round workhorse built to conquer whatever you throw its way, so you can spend more time enjoying your property, not just maintaining it.

## ONE STANDOUT FEATURE AFTER ANOTHER

**Ergonomic Fender Console**
Puts all your controls within easy reach for effortless operation.

**Additional LED Work Lights**[1]
Provide better visibility and improved accuracy in low-light conditions.

**Electronic Fuel Gauge**[2]
Makes it easy to see how much fuel you have, so you can stay powered up for your biggest projects.

[1]Front LED work lights standard on 1M 25 HVAC cab and 1R 25 models only. Optional rear work lights available.
[2]1M 25 and 1R 25 models only.

## ⚠ KEEP SAFETY TOP OF MIND

As you explore the 1 Series lineup, remember not all areas are suitable for compact tractors. Understanding your machine's capabilities helps ensure safe, efficient operation. Some implements and attachments require additional ballast weight. Talk to your dealer about how to correctly configure your machine for your specific uses.

Rollover protective structures (ROPS) are standard equipment on 1E 23, 1M 25, and 1R 25 Sub-Compact Utility Tractors.

**Tough Polycarbonate Hood**
One-piece design rotates 77 degrees for easier maintenance and is dent-resistant.

**Deluxe Suspension Seat**
Keeps you comfortable during long hours at work with high back support and adjustable seat settings.

**Smart Connector**[3]
Links your machine to the Equipment Mobile app for maintenance alerts, engine hours, and more.

[3]Standard in base on 1M 25 and 1R 25 models only. Kit available for 1E 23.

# The 1 for everyday tasks

# 1E 23

For rugged performance in a compact package, the 1E 23 delivers. Its open station design is perfect for mild climates and seasonal chores like mowing, tilling, and landscaping. Open sightlines and quick on-and-off give you a clear view of your work while making it easy to start and stop for implement changes. And Twin Touch™ foot pedals, power steering, and mechanical front-wheel drive (MFWD) let you stay in control around delicate landscaping and on uneven terrain, so you can get to work with confidence.

# 1M 25

## The 1 for tight spaces

The 1M 25 takes what you can do a step further. An optional, all-weather HVAC cab keeps you cool in the summer, warm in the winter, and free from dust and debris the whole year through. A compact frame and tight turning radius let you carefully maneuver through narrow gates and around trees, so you can reach every area of your property with ease. When you're done for the day, the 1M 25 can be parked safely in a standard garage or shed, cab included.

# The 1 for heavy-duty lifting

# 1R 25

With a 915-pound (415-kg) rear hitch lift capacity and a generous 63-inch (1,600-mm) wheelbase, the 1R 25 is built to handle your toughest jobs, at home, on the farm, and across commercial landscapes. Transport pavers, stones, and other heavy materials for hardscape projects. Load tall trailers and pickup beds. Move pallets of seed, fertilizer, and firewood. Or haul large loads of gravel, dirt, and sand without breaking a sweat. Add an optional factory-installed all-weather cab, and you've got a machine that works as hard as you do, 365 days of the year.

## But that's just the start. Every M and R comes with:

**Cruise control** for constant speeds at the pull of a lever.

**Tilt steering** for more ergonomic and comfortable operation.

**Position control hitch** for lowering implements to the same position every time.

**Standard 12-volt and USB-C outlets** for convenient charging on-the-go.

**Optional third function hydraulic valve** for additional functionality of implements, from aligning blades to grabbing with grapples.

## COMPARE THE 1 SERIES

| | 1E 23 | 1M 25 | 1R 25 |
|---|---|---|---|
| **Engine Horsepower** | 21.5 hp (16 kW) | 23.2 hp (17.3 kW) | 23.2 hp (17.3 kW) |
| **PTO Horsepower** | 16.2 hp (12.1 kW) | 17.8 hp (13.3 kW) | 17.8 hp (13.3 kW) |
| **Rear Hitch Lift Capacity** | 758 lb. (344 kg) | 758 lb. (344 kg) | 915 lb. (415 kg) |
| **120R Loader Lift Capacity**[4] | 704 lb. (320 kg)[4] | 704 lb. (320 kg)[4] | 803 lb. (364 kg)[4] |
| **Wheelbase** | 57.1 in. (1,450 mm) | 57.1 in. (1,450 mm) | 63 in. (1,600 mm) |
| **Open Operator Station** | ✓ | ✓ | ✓ |
| **Factory-Installed Cab Option** | | ✓ | ✓ |

[4]Lift capacity at full height measured at pivot for non-self leveling 120R Loaders.

# Your climate-controlled throne awaits

## True comfort starts in the M and R Models.

A hint of snow in the air doesn't mean it's time to put your compact tractor in storage. The M and R Models are designed to keep you working the whole year through with an all-weather HVAC cab.

Just settle into your cushy, deluxe suspension seat, turn up the heat, and push or blow snow to your heart's content. Then when summer hits, crank the A/C and stay cool during your toughest tasks.

The cab is factory-installed for quality and comfort and features a fully sealed design to limit outside noise and keep you clean during your dirtiest jobs. The exterior mirrors offer excellent visibility and the rear windows open, so you can conveniently access rear implements from comfort of your seat.

# Save time with Quick Connect Solutions

Switching chores shouldn't be a chore. Our Quick Connect Solutions make it easier than ever to swap out implements and attachments on your 1 Series Tractor. Seamlessly go from digging to mowing to trenching and get more done on your time.

**John Deere Quik-Knect™ PTO Receiver**
Click in PTO-driven implements (115 PTO horsepower or less) to the back of your tractor and skip the scraped knuckles and pinched fingers. See your dealer for the complete Quik-Knect system.

**AutoConnect™ Drive-Over Mower Deck**
Cuts grass down to size and is fast to connect: simply drive over the deck ramps, listen for two clicks as the deck and PTO attach, lock the gauge wheels, and you're ready to mow.

**Load-N-Go™ System**
Simplifies transporting and servicing your AutoConnect™ drive-over mower deck. Use your loader to lift the deck for easy maintenance, then stow it quickly and safely out of the way.

**Quik-Park™ Loader System**
Transition to and from loader work fast. An integrated parking stand and secure locking system let you attach and detach your loader quickly and safely, no tools required.

**Quik-Park™ Backhoe**
With the same tool-free attachment and removal as the Quik-Park loader, you can transform your tractor into a powerful digging and trenching machine. Includes stabilizer arms for balance, cushioned boom cylinders for smooth operation, and an optional thumb kit for handling rocks and logs.

**iMatch™ Quick-Hitch**
Provides easy hookup of Category 1 implements and attachments,[5] so you can save time while taking the guesswork out of attaching and changing implements. Built with tubular, box-welded steel and heat-treated bushings and pins for durable, long-lasting performance.

**Single Point Hydraulic Connector**
Connects the front hydraulics of your 1 Series Tractor to your Quik-Park loader with the pull of a single lever. It's that easy.

[5]Designed to meet the ASAE Category 1 Standard S278.6 for quick-attach hitches.

# Implements

## Get the job done right with the rugged and reliable performance of John Deere and Frontier™ implements.

**Loaders**
Pallet forks, grapple, and bucket available.

**1. The 120R Loader**
Non-self leveling (NSL) loader lift capacity is 803 lb. (364 kg).[6] Max lift height is 72 inches (1,828 mm). Integrated Quik-Park mounting system included. Mechanical self leveling (MSL) loader available.

**2. AV20F Root Grapple**
Save time picking up tree branches and other debris with this quick-connecting grapple. Features a 945 pound-force (4,203.5 N) clamping force.

**3. Box Blade (3 Point)**
Level out soil, rip up dirt, and backfill areas. 3-point rear blade also available.

**4. Rotary Cutter**
Cut heavy grass, thick brush, and weeds down to size.

**5. Rotary Tiller**
Heavy-duty tines dig in to prepare gardens and loosen even the most packed-down soil.

**6. Post Hole Digger and Augers**
Bore holes from 6 inches (15.2 cm) to 12 inches (30.5 cm) in diameter.

**7. Backhoe**
Provides precise control and extra torque when backfilling, with superior visibility to the trench and powerful digging force.

**8. Snowblower**
Makes snow removal easier and more accurate with a chute deflector and adjustable chute rotation. Rotary broom also available.

**9. Land Plane**
The perfect tool for leveling gravel and dirt to a fine finish.

## Additional Implements

**Front Blade**
Clear snow and move dirt or gravel. Angle right or left to make the job easier. Snow pushes also available.

**Spin Spreader**
Seed a new lawn or overseed your existing lawn to re-establish growth and restore bare spots.

**Rear Mount Grooming Mower**
For a well-manicured lawn.

**Frontier One-Row Cultivator**
Keep weeds in check. Adjustable row widths make this a valuable tool for both gardeners and small farmers.

**Core Aerator**
Keep your lawn healthy. Penetrates below heavy thatch and compacted soil for better air, water, and nutrient circulation.

**Explore all the John Deere and Frontier implements available for the 1 Series.**

US: BuyFrontier.com

CA: BuyFrontier.ca

[6]Lift capacity values have been verified according to a testing process standard set by the American Society of Agricultural and Biological Engineers (ASABE). The lift value is measured at the point where the loader is 19.7 inches (500 mm) ahead of the pivot. The increase in 120R lift capacity was measured at 24%. Results may vary based on testing criteria and usage.

# Attachments

**Whether it's enhanced productivity, stability, visibility, or hours in the field, these attachments will help you get the most out of your 1 Series Tractor.**

**1. Ballast Box and Optional Extensions**
Enhance loader performance in all conditions with correct ballasting with this heavy-duty box.

**2. Front and Rear Work Light Kits**
Enjoy increased visibility when working in low-light conditions. Lights mount to ROPS for 1M and 1R models. Brush guard required for work lights on 1E models.

**3. Rear Wheel Weights**
Weight for ballast to improve performance and safety.

**4. Quik-Tatch™ Weights**
Add some extra weight to the front of your tractor easily and securely with Quik-Tatch weights.

**5. Beacon Light Kit**
Increase your tractor's visibility to traffic or other vehicles. For 1M and 1R cabs only.

**6. Mirror Kits**
For greater visibility of what's behind you while focusing on what's ahead.

## Additional Attachments

**Lighting Brush Guard Kits (Two Guards)**
Available for warning lights, work lights, and LED lighting options.

**Large Seat Cover**
Protect your seat when it's not in use for long-lasting comfort.

**Front Weight Bracket**
For additional stability and safety.

**Power Beyond Kits**
For the extra power to run backhoes and log splitters.

**Tire Chains**
For better traction in snow, ice, and tough conditions.

**Canopy**
Provides ample protection from sun and inclement weather on open station models. Add an optional ShadePro™ fan kit for extra cooling comfort on the hottest days.

**Control Valves**
Provide additional hydraulic outlets at the front, middle, and back of your tractor to allow for multiple functions of various implements. Third function hydraulic valves and single rear selective control valves available.

**Stereo**
AM/FM, Weatherband, and Bluetooth.

**Tractor Cover**
Protect your tractor from the elements.

**Trailer Mover**
Ideal for gooseneck trailers or bumper pulls when towing heavy equipment and firewood. Lifts up to 3,000 pounds (1,360.8 kg).

# Your one-stop maintenance shop

When it's time to change your oil, filters, and more, **Shop.Deere.com** and **Shop.Deere.ca** have you covered.[7] Order maintenance essentials from your dealer online, pickup in-store, or ship to your home.

**Filter Pak**
The key to easy, do-it-yourself filter changes on your tractor.

**Plus-50™ II Oil**
The only engine oil you need on the farm, in the field, and on the highway. Compatible with gas and diesel engines.

**John Deere StrongBox™ Batteries**
Reliable, high-performance batteries to keep you running. Economy options available.

[7]Coverage varies across Canada. Consult your John Deere dealer for details.

# Keep your equipment running

**The free Equipment Mobile app makes it easy to setup, operate, and maintain your equipment.**

Prepare for work, access key information from your Operator's Manual, find replacement parts quickly, and track routine maintenance all from the palm of your hand.

Use the John Deere Smart Connector to link your 1 Series Tractor to the Equipment Mobile app via Bluetooth for insights on engine hours, fuel level, maintenance alerts, and more. Comes standard on 1M 25 and 1R 25 models, and available as a dealer-installed option on 1E 23 models.

# Financing to fit your budget

Put the strength of John Deere Financial behind your purchase and get the equipment you need to maintain your property or grow your business. We know the landscape you work in and are committed to helping you get what you need with flexible financing options that fit your budget. You can bank on it.

# Specifications

| 1 SERIES SUB-COMPACT UTILITY TRACTORS | 1E 23 | 1M 25 | 1R 25 |
|---|---|---|---|
| **ENGINE** | | | |
| Type | Yanmar 3TNM74F-NCJT | Yanmar 3TNV80F-NCJT | Yanmar 3TNV80F-NCJT |
| Engine Horespower - Gross | 21.5 hp (16 kW)[8] | 23.2 hp (17.3 kW)[8] | 23.2 hp (17.3 kW)[8] |
| PTO Horsepower - Hydrostatic Transmission | 16.2 hp (12.1 kW) | 17.8 hp (13.3 kW) | 17.8 hp (13.3 kW) |
| Rated Engine Speed | 3,200 rpm | 3,200 rpm | 3,200 rpm |
| Displacement | 60 cu in. (993 cc) | 77 cu in. (1,267 cc) | 77 cu in. (1,267 cc) |
| Battery Power | 500 CCA | 500 CCA | 500 CCA |
| **FUEL SYSTEM** | | | |
| Fuel Type | Diesel | Diesel | Diesel |
| Fuel Tank Capacity | 5.57 U.S. gal. (21.1 L) | 5.57 U.S. gal. (21.1 L) | 5.31 U.S. gal. (20.1 L) |
| **HYDRAULICS** | | | |
| Steering | 3.5 gpm (13.2 L/min) | 3.5 gpm (13.2 L/min) | 3.5 gpm (13.2 L/min) |
| Implement | 3.5 gpm (13.2 L/min) | 3.5 gpm (13.2 L/min) | 3.5 gpm (13.2 L/min) |
| Total Capacity | 7 gpm (26.5 L/min) | 7 gpm (26.5 L/min) | 7 gpm (26.5 L/min) |
| Lift Capacity, 24-in. Behind Link Arms | 758 lb. (344 kg) | 758 lb. (344 kg) | 915 lb. (415 kg) |
| Pump Type | Gear | Gear | Gear |
| **TRANSMISSION** | | | |
| Standard Transmission; Forward/Reverse | Hydrostatic - two range | Hydrostatic - two range | Hydrostatic - two range |
| Forward/Reverse Control | Twin Touch pedals | Twin Touch pedals | Twin Touch pedals |
| Final Drive | Spur gear | Spur gear | Spur gear |
| Brakes | Wet disc, left-hand pedal | Wet disc, left-hand pedal | Wet disc, left-hand pedal |
| Travel Speed at Rated Engine RPM (Forward/Reverse) | 0-9.1 mph (0-14.6 km/h) | 0-9.1 mph (0-14.6 km/h) | 0-12.3 mph (0-19.8 km/h) |
| **POWER TAKE-OFF (PTO)** | | | |
| PTO Type | Independent | Independent | Independent |
| Standard | Rear: 540 rpm;<br>Mid: 2,100 rpm | Rear: 540 rpm;<br>Mid: 2,100 rpm | Rear: 540 rpm;<br>Mid: 2,100 rpm |
| **3-POINT HITCH** | | | |
| Type | Limited Category 1 | Limited Category 1 | Limited Category 1 |
| iMatch Quick-Hitch Compatibility | Yes | Yes | Yes |
| Rockshaft Control Type | Select control | Position control | Position control |
| **DIMENSIONS** | | | |
| Wheelbase | 57.1 in. (1,450 mm) | 57.1 in. (1,450 mm) | 63 in. (1,600 mm) |
| Outside Width Rear Tires | R3: 47.22 in. (1,200 mm);<br>R4: 47.32 in. (1,202 mm) | R3 47.22 in. (1,200 mm);<br>R4 47.32 in. (1,202 mm) | R3: 47.22 in. (1,200 mm);<br>R4: 48.03 in. (1,220 mm) |
| Approx. Shipping Weight (Open Station; Cab) | Open station: 1,475 lb. (669 kg);<br>Cab: not applicable | Open station: 1,602 lb. (727 kg);<br>Cab: 2,019 lb. (916 kg) | Open station: 1,797 lb. (815 kg);<br>Cab: 2,242 lb. (1,017 kg) |
| **TIRES** | | | |
| Front | R3 Turf: 18x8.50-10;<br>R3 Hybrid: 18x8.50-10;<br>R4: 18x8.5-10 | R3 Turf: 18x8.50-10;<br>R3 Hybrid: 18x8.50-10;<br>R4: 18x8.5-10 | R3 Turf: 23x8.50-12;<br>R3 Hybrid: 220/55-R12;<br>R4 Industrial: 23x8.50-12 |
| Rear | R3 Turf: 26x12-12;<br>R3 Hybrid: 26x12-12;<br>R4: 26x12-12 | R3 Turf: 26x12-12;<br>R3 Hybrid: 26x12-12;<br>R4: 26x12-12 | R3 Turf: 12-16.5;<br>R3 Hybrid: 280/70-R16;<br>R4 Industrial: 12-16.5 |
| **OPERATOR'S STATION** | | | |
| Rollover Protective Structure (ROPS) | Foldable | Foldable | Foldable |
| Optional Factory-Installed HVAC Cab | No | Yes | Yes |
| Deluxe Lighting Package | No | HVAC cab only | Yes |
| Deluxe Suspension Seat / Tilt Steering | Yes / No | Yes / Yes | Yes / Yes |
| Toolbox | Yes | Yes | Yes |
| 12V Outlet and USB-C Charging Port | No | Yes | Yes |
| Cruise Control | No | Yes | Yes |

[8]The engine horsepower and torque information are provided by the engine manufacturer to be used for comparison purposes only. Actual operating horsepower and torque will be less. Refer to the engine manufacturer's web site for additional information.

All 1 Series Tractors are **designed, assembled, tested, and distributed** out of Augusta, Georgia, using foreign and domestic parts.

## 6-year / 2,000-hour Powertrain Warranty[9]

All 1 Series Sub-Compact Tractors are backed by a reliable, six-year Powertrain Warranty.[9] It's standard, comes at no cost, and covers both residential AND commercial use. It's just one more reason why Nothing Runs Like a Deere™.

**US: JohnDeere.com/1Series**
**CA: JohnDeere.ca/1Series**
**Visit your John Deere dealer.**

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[9]All Compact Utility Tractors purchased new from an authorized John Deere dealer come standard with a six-year/2,000-hour (whichever comes first) Powertrain Warranty. See the Limited Warranty for new John Deere Turf & Utility Equipment at an authorized John Deere dealer or at JohnDeere.com/TUWarranty or JohnDeere.ca/TUWarranty for details.

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