

5M Series

48 - 78 Kilowatt (65 - 105 hp) Utility Tractors



A New Class of Utility Tractor

Introducing the 5M Series from John Deere: a line of utility tractors designed from the ground up for high-hour users and heavy-duty applications. Operator environments built for all-day comfort. Hydraulic capacity to handle big implements. Frames designed to absorb constant lifting and loading force. And the support of the strongest name in heavy equipment.

The 5M Series from John Deere: more than just a utility tractor. It's a new class of utility tractor.





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The 5M Series

Model	Engine kW (hp)	PTO kW (hp)
5065M	48 (65)	37 (50)
5075M	56 (75)	44 (60)
5085M	63 (85)	52 (70)
5095M	71 (95)	59 (80)
5105M	78 (105)	67 (90)

Versatility begins with the operator station itself. The 5M Series gives you a choice of three different operator stations, each with features designed to make big jobs smaller, tough jobs easier, and long days shorter.

Two Available Open Stations

Choose the 5M Series from John Deere, and the choices have only just begun. Each 5M configuration is available with one of two open operator stations. The fixed open station is base equipment on every 5M and features a level of design that puts it well beyond “basic.” The plush, hydraulically dampened seat helps smooth out rough ground while keeping jarring forces away from the operator’s back and neck. Major controls are found to the right of the operator, out of the way but within easy reach. The steering wheel tilts and telescopes, allowing operators of all sizes to find a comfortable stance.



Comfort and convenience are standard on every 5M Series Tractor, regardless of which operator station you choose. Platform-mounted shift levers, suspended pedals, and well-placed controls make for a clean, uncluttered work environment. 5075M Tractor shown with deluxe open operator station, optional canopy and 553 Loader.

Settle Into The Deluxe Open Station

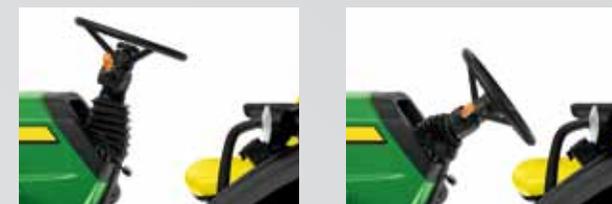
Choose the deluxe open station, and you're riding in an operating environment that's fully loaded with comfort and convenience features. The swivel seat makes it easy to check rear implements, and improves accessibility. Fender extensions provide additional protection for the operator, while the added handrail features tough acrylic shielding for further

protection. Fender-mounted work lights help illuminate early-morning and evening jobs. Plus, open-station operators with height-sensitive jobs can relax ... the base and deluxe open stations are within 25 mm (1-in.) of the same height. (5075M Tractor shown below with 553 Loader)



DESIGNED WITH THE OPERATOR IN MIND

- 1** Major controls are on the operator's right, putting everything within easy reach, but well out of the way.
- 2** No humps to hop over ... both the fixed and deluxe open stations feature flat floors. And because the transmission has been relocated, heat buildup inside the operator environment is minimized.
- 3** Choose the fixed open station or the deluxe open station ... both can sneak under low shop doors or crop canopies.



- 4** All 5M Tractors feature a tilting and telescoping steering wheel. Operators can easily find the perfect driving position.

Winter snow removal. Summer mowing. Cleaning stables, any time of year. There are some operations that simply demand a closed cab. So we made the 5M Series available with one of the most comfortable, well-designed, and useful cab environments of any utility tractor on the market.

Two Luxurious Cabs

See what we mean by “a new class of utility tractor” when you step into the 5M Series. Whether you choose the regular or deluxe cab (not for 5065M), you’ll get a powerful climate-control system, tilting and telescoping steering wheel, left and right-side doors, a convenient power outlet, and a full complement of exterior lights. Operators are fully insulated against noise, thanks to the generous application of sound-absorbing insulation, while both side and rear windows open wide for ventilation or increased visibility to implements.



No matter what the conditions, we have the operator station to fit. Both our standard and deluxe cabs offer plenty of glass for a clear view to all sides of the tractor, a powerful climate-control system, and right- and left-side doors. 5105M Tractor shown with deluxe cab and 563 Loader.

Ride On Air in the Deluxe Cab

Choose the deluxe cab, and you get one of the most comfortable pilot's seats in the business. Our deluxe air-suspension seat absorbs the roughest rides you can imagine, and helps keep you in place and in control when the going gets tough. Full fore-aft and tilt adjustment lets you find just the right position for all-day comfort, while the lumbar support holds your back perfectly in place.



All the critical information is within plain sight. Plus, the PowrReverser™ tilts and telescopes with the steering wheel, so it's always within easy reach, no matter where you put the wheel.



If you spend long hours on your tractor, this is the cab you want. A host of premium features like the tilt-and-telescope steering wheel, swivelling, hydraulically dampened seat (deluxe cab), and a climate-control system tough enough for the harshest weather help the 5M Series set the standard for operator comfort.

From the steady speeds of highway or roadside mowing to the fast and frequent direction changes of snow removal or loader work, the 5M Series offers a transmission to suit the operation ... and the operator.

Economical Options for Basic Chores

If “basic operation and cost-effective price” are what you need most from your transmission, the 5M Series gives you a great option.

The proven SyncShuttle™ Plus transmission gives you 12 forward and 4 reverse speeds, plus synchronised, inline shuttle shifting between forward and reverse. Perfect for a basic mix of chores, the 12/4 SyncShuttle™ Plus can shift on the go between any of the four speeds; shifts between ranges are not synchronised.



PowrReverser™: The Ultimate in Ease

Move up to the PowrReverser™ transmission and you get 16/16 versatility, plus the added convenience of the no-clutch, electro-hydraulic PowrReverser™ shuttle shifter. Perfect for jobs like blading and bale-stacking that involve frequent directional changes, the 16/16 PowrReverser™ offers synchronised shifts between speeds, and is available with a factory-installed two-speed creeper.

And for the ultimate in versatility and convenience, choose the 32/16 PowrReverser™ Plus transmission (not for 5065M). Along with the easy-engaging shuttle-shift capability of the PowrReverser™, the 32/16 offers the most precise field speed ranges, plus a transport speed of up to 38 km/h. Operators can also vary their speed by as much as 20 percent with the hi/lo selector; move into shorter grass or hay, for example, and you can speed through with a touch of the button.

Whatever the job, whatever the skill level of the operator ... we have the transmission to fit. 5095M Tractor shown (left) with 563 Loader and 458 Round Baler.



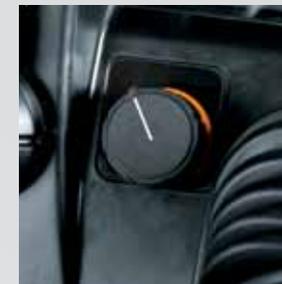
Vary speed by as much as 20 percent with the hi/lo selector, conveniently located on the transmission speed lever. With one touch, you and your operators can speed through shorter grass or over smoother ground; dial back the speed for tougher terrain or conditions.



The 16/16 transmission gives you top transport speeds of nearly 32 km/h, plus a wide range of available working speeds.



Get smooth, no-clutch shuttle shifts with the column-mounted PowrReverser™. Perfect for loading, rear blading, or any other operation that requires frequent direction changes, the PowrReverser™ transmission is available in 16/16 and 32/16 configuration.



The PowrReverser™ modulation control (standard on 32/16 transmission) means your operators can control how quickly the transmission shuttle-shifts from forward to reverse. Adjust for a smooth, easy transition during wet or slick conditions, for example, or for faster direction changes in dry, grippy terrain.

Standard push-pull couplers. Colour-coded controls. Up to six available SCVs, plus a tandem gear pump for independent assist to steering and implements. If your jobs are dependent on your tractor's ability to lift, load, or provide hydraulic power to a variety of implements, look to the 5M Series.

Capacity with Control: Hydraulics and the 5M Series.

Everything about the hydraulic system on the 5M Series says "easy to use." First, take a look at the SCV controls. Conveniently located to the operator's right, each SCV lever is colour-coded to correspond to the valve it controls ... no more guessing, no more sticky notes on the console. ISO-standard push-pull couplers allow implements to be connected or disconnected under pressure.

Each 5M Series Tractor comes equipped with dual rear and optional mid-mount SCVs. For the ultimate in hydraulic performance and versatility, your 5M Series can be ordered with up to six total valves, including the optional triple deluxe rear SCVs. Each of the three deluxe rear SCVs features a selectable detent knob with three available positions: no detent, continuous flow, and auto-kickout.



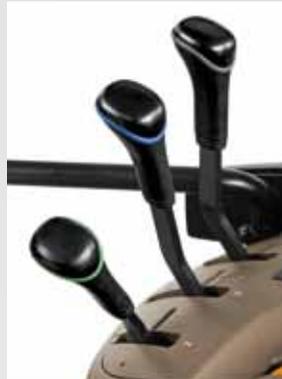
Get into a 5M Series Tractor and get the hydraulic power you need to push, pull, grab, load, or lift. 5095M Tractor shown with 553 Loader.



Order the triple deluxe rear SCVs, and you get three rear SCVs, each with three-position selectable detent. “No detent” allows the hydraulic cylinder to respond precisely according to the movement of the lever in the cab; “continuous flow” is perfect for powering hydraulic motors, or implements such as hydraulic hay rakes or planters; “auto kickout” allows the cylinder to complete its stroke before kick-out, and is perfect for use with implements which are frequently raised and lowered. SCV #1 allows the operator to adjust hydraulic flow to match the implement.



Avoid confusion with the standard colour-coded SCV levers. Each lever in the cab is coloured to correspond to the dust-cap colour of the SCV it controls.



The 5M Series features a tandem-gear hydraulic pump for continuous, independent power to the steering and braking systems, and to hydraulically powered implements.

The 5M Series is also compatible with the 595 Backhoe (left), giving you the tools you need for medium-duty construction work or installing larger landscape plants.

From agriculture to construction to landscaping, the 5M Series Tractors are right at home in nearly any application.



5095M Tractor shown (right) with 553 Loader.



Bales, pallets, or gravel ... whatever material you're handling, there's a John Deere material handling solution to match. A selection of front attachments, plus the design and construction quality to stand up to long days of lifting, make John Deere loaders the easy choice for any handling demand.

The 5M Series: Built to Load, Built to Last.

There's not much harder on the frame of a tractor than the constant lifting, lowering, and rolling forces of heavy-duty loader work. That's why we designed the 5M Series from the ground up to withstand demanding jobs. Tractor and loader frames work together to lift and distribute heavy loads. Sculpted frame members maximise tyre and fender compatibility. Efficient angles allow for positive, aggressive filling and fast, complete emptying. Plus, premium features like the optional hydraulic multi-coupler and easy-to-use parking system help the 5M Series Tractor and John Deere loader fit smoothly into your workday.



The 5M Series Tractors were designed and built from the ground up to handle the constant strain of loader work. Integrated loader and tractor frames, high-capacity hydraulics, and optional features like the hydraulic multi-coupler make the 5M Series the choice for heavy-duty loading and lifting. 5085M Tractor shown with 563 Loader.

Loader Specifications

LOADER	553 NSL*	563 NSL*	563 MSL*
Compatibility	All+ US 5M Series	All+ US 5M Series	All+ US 5M Series
Lift capacity at maximum height**	1326 kg. (2,923 lb.)	1806 kg (3,982 lb.)	1416 kg (3,121 lb.)
Breakout force**	24.6 kN (5,537 lbf.)	29.6 kN (6,654 lbf.)	25.2 kN (5,665 lbf.)
Maximum lift height	3124 mm (123 in.)	3378 mm (133 in.)	3378 mm (133 in.)
Clearance with bucket dumped	2413 mm (95 in.)	2464 mm (97 in.)	2464 mm (97 in.)
Reach at max height	1016 mm (40 in.)	1270 mm (50 in.)	1270 mm (50 in.)
Reach at ground level	1803 mm (71 in.)	2235 mm (88 in.)	2235 mm (88 in.)
Digging depth	-76 mm (-3 in.)	-234 mm(-9.2 in.)	-231 mm (-9.1 in.)
Dump angle	-43 degrees	-72 degrees	-72 degrees
Rollback angle	31 degrees	44 degrees	44 degrees

*NSL is non self-levelling; MSL is (mechanical) self-levelling. **Lift capacity and breakout force measured at pivot. *Excluding 5095MH.
 NOTE: Specifications and compatibility may vary based on tyre options.

Efficient angles and solid components give you the muscle you need for fast filling and dumping, along with the reach to lift up and over high shelves and into tall bins.



The comfortable, easy grip of the joystick gives you precise control for working with tight spaces or sensitive loads. Third-function controls, if equipped, are under the right thumb.



The 5M Series is built to handle intense loader work. Tractor and loader frames fit together to more efficiently handle heavy-duty lifting while easing the load on the tractor itself.



Your drivers will appreciate premium features like the hydraulic multi-coupler (optional on NSL models). Hook-up is fast, easy, and positive.



There's a reason we say, "Nothing runs like a Deere." We design our PowerTech™ engines to run strong, hour after hour and season after season, our drive trains to withstand the punishment of a seven-day work week, and our clutches to provide years of slip-free performance, even under the toughest conditions.

PowerTech™: The Last Word in Engines.

What does reliability look like? Lift the one-piece tilting hood on the 5M Series and see for yourself. Both the 3.0L 5-cylinder engine (5065M and 5075M) and the 4.5L 4-cylinder (5085M, 5095M, 5105M) feature a full-pressure lubrication system to coat the undersides of the pistons with cooled, filtered oil. Precision-balanced crankshafts minimise noise and vibration, helping your operators stay alert and responsive. All the while, your 5M Series Tractor gladly runs on biodiesel blends up to B20.

The smooth torque of the PowerTech™ engine pulls you up, over, and through tough conditions, while the heavy-duty drives and wet-disk inboard brakes keep you comfortable and in control. 5085M Tractor shown with 553 Loader.

Reliability Features Built In

But the “go” of the 5M Series doesn’t stop with the engine. No matter which transmission or drive configuration you choose, you’ll get the same self-adjusting wet traction clutch. Perfect for high-hour, high-load operations, and for operators of different experience levels, our clutches are designed to extend replacement intervals, saving you costly shop time.

Drives Designed Deere-Tough

At the rear, inboard planetary drives evenly distribute the rear axle forces, saving wear on individual components. The inboard design also allows a wide range of tread adjustment ... and helps make the 5M Series one of the most versatile tractor lines available.



You’ll get easy access to routine service and fill points underneath the rear-tilting one-piece hood.



Choose the 5M Series, and you’ll transport at road speeds of up to 38 km/h (32/16 transmission). Constant-mesh helical gears make for smooth, quiet running, while the rigid, fully-enclosed linkages give you crisp, positive shifts. When the day’s done, the integrated park position keeps the tractor in place, and eliminates the need for a handbrake. 5075M Tractor shown with 553 Loader.



Choose the 5M Series, and there's virtually no limit to what you can attach. High lift capacities, a greater range of hitch adjustment, plus pinpoint control over height and depth handle nearly any tool or task. And for PTO-powered implements, you can choose standard, Economy, or optional 1,000-RPM operation ... just the versatility you'd expect from the 5M Series.

Adjustable, Usable Lift Capacity

No other line of utility tractors gives you this much control over rear-mounted implements. Just look at the hitch itself. 1,631 kilograms of standard lift capacity (excluding 5105M) provides the muscle for big mowers or tillage tools. And if you still need more, the heavy-duty hitch option (heavy-duty hitch standard on 5105M) includes larger lift cylinders and a heavy-duty drawbar, giving you 2,041 kilograms of lift. No matter which option you choose, you'll get telescoping draft links for easier hookup, plus adjustable side-sway.

For agricultural or landscaping uses that require a higher degree of precision, choose the electrohydraulic 3-point hitch. Operators have complete fingertip control over rear implement height and depth limits, rate of drop, and draft sensing, and get remote, fender-mounted hitch controls.

With 2,041 kilograms of available rear hitch lift capacity, you have the muscle to handle heavy flex-wing rotary cutters, loaded planters or drills, or big disk gangs. And with the Economy PTO, you can run many of your rotary implements at lower engine RPM, reducing noise, wear, and fuel consumption.

Three Powerful PTO Modes

Get the power you paid for with the 5M Series. The 5M gives you full PTO speed and kilowatts at 2,100 engine RPM (standard PTO mode), so you can tackle any PTO application with ease. If your jobs include lighter-duty PTO work like rotary cutting or baling, choose the 540 RPM PTO with Economy mode; you get full PTO speeds at less than 1,700 engine RPM, saving you fuel while reducing engine noise, vibration, and wear.

For maximum versatility, choose the 540/540E/1000 RPM kit, which gives you all three PTO modes: standard 540 RPM, economy 540 RPM, and 1,000 RPM. However you equip your 5M Tractor, you'll save maintenance and repair costs with the standard wet PTO clutch.



1. The optional electrohydraulic hitch offers all the functionality of the mechanical hitch, but with more precise control over the hitch and implements. The rear remote allows the hitch to be raised and lowered in 6 mm (¼ in.) increments.

2. Easy on, easy off, and easy to operate: your drivers will appreciate features like the telescoping draft links and adjustable side-sway. The draft-sensing system monitors engine load and automatically adjusts the height of the implement – perfect for uneven terrain or mixed soil conditions.

3. The Economy PTO mode delivers full PTO RPM at reduced engine speeds, saving you fuel while sparing your operators from excessive noise and vibration, and your tractor from unnecessary wear. Choose the 1,000 RPM kit, and you have all three PTO modes available: standard 540, Economy 540, and 1,000 RPM.



No one cares more about you and your equipment.

Nobody cares more about keeping your equipment in solid working order than your John Deere dealer. With a complete inventory of genuine John Deere parts, highly trained service technicians, and a thorough understanding of your business, your John Deere dealer knows how to keep you and your equipment up and running.

The strongest name in equipment, and the strongest dealership network in the business: get it all with John Deere.

Protect your investment with genuine John Deere parts and service.

Keep the sun off your back with the optional canopy.



Protect your radiator, battery and other components with the optional front hood guard.



The standard tool box holds everything you need for quick adjustments in the field.



Order the optional front weight bracket for added ballast when operating heavy rear implements.



Governmental and council customers ... stay safe and visible with the optional rotating beacon lights.

Buy with confidence and peace of mind

Now you can purchase a new John Deere tractor with more confidence than ever. The PowerGard Protection Plan™ offers valuable extended coverage to protect you from unforeseen future repair bills and the costly downtime that a breakdown can cause. PowerGard offers flexible coverage options for new John Deere tractors.

- Choose your terms

Select from a variety of flexible term lengths, in total months and total hours. Choose the terms that fit your individual needs, depending on how long you plan to own your tractor and your estimated annual usage hours.

- Flexible coverage options

Coverage length options vary from 1 year - 0 hours to 3 years - 3000 hours on top of standard factory warranty.

- Repaired with genuine John Deere parts

We'll fix it right, with exactly the right John Deere parts to fit your machine.

- Increase the value of your tractor when you sell or trade

Any remaining PowerGard coverage is fully transferable to a new owner, with no transfer fee.

5M Series



Models	5065M	5075M	5085M	5095M	5105M
Rated Engine kW (ISO) 97/68/EC	48 (65 hp)	56 (75 hp)	63 (85 hp)	71 (95 hp)	78 (105hp)
at Engine RPM	2,200	2,200	2,200	2,200	2,100
PTO kW	37.3 (50 hp)	44.7 (60 hp)	52.2 (70 hp)	59.7 (80 hp)	67.1 (90 hp)
at Rated Speed, RPM	2,100	2,100	2,100	2,100	2,100
Configurations Available Key: Standard = ● Option = ■					
2WD	■	■	■	■	---
MFWD	●	●	●	●	●
Open Station	●	●	●	●	●
Deluxe Open Station	■	■	■	■	■
Cab	■	■	■	■	---
Deluxe Cab	---	■	■	■	■
Engine					
Make	PowerTech™ 5030	PowerTech™ 5030	PowerTech™ M 4045	PowerTech™ M 4045	PowerTech™ E 4045
Aspiration	Turbocharged/Air-to-Air Aftercooled – All Models				
Cylinders	5	5	4	4	4
Displacement, cu. in/L	186/3.0	186/3.0	276/4.5	276/4.5	276/4.5
Cylinder Liners	---	---	Wet sleeved	Wet sleeved	Wet sleeved
Transmission					
Base Equipment	16F/16R PowrReverser™	16F/16R PowrReverser™	16F/16R PowrReverser™	16F/16R PowrReverser™	16F/16R PowrReverser™
Optional transmissions	12F/4R SyncShuttle™ Plus 32F/16R PowrReverser™ Plus	32F/16R PowrReverser™ Plus			
Fuel tank capacity, standard.					
Open/Cab, (opt) Litres	80/114 (110/144)	80/114 (110/144)	110/144	110/144	110/144
PTO					
Standard	Independent 540/540E	Independent 540/540E	Independent 540/540E	Independent 540/540E	Independent 540/540E
Optional	540/540E/1000	540/540E/1000	540/540E/1000	540/540E/1000	540/540E/1000
PTO Actuation	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic
Hydraulics					
Type	Open centre	Open centre	Open centre	Open centre	Open centre
Steering L/min	23.8	23.8	23.8	23.8	23.8
Implement L/min	55.4	55.4	69.9	69.9	69.9
Total L/min, Rated Output	79.1	79.1	93.6	93.6	93.6

Models	5065M	5075M	5085M	5095M	5105M
Traction Clutch					
	Wet	Wet	Wet	Wet	Wet
Final Drive					
Type	Inboard Planetary	Inboard Planetary	Inboard Planetary	Inboard Planetary	Inboard Planetary
Differential Controls	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic
Engage on the go rear differential lock	Yes	Yes	Yes	Yes	Yes
3 PT Hitch					
Hitch Lift Capacity, OECD/24" behind lift point, std kgs (opt kgs)	1631 (2041)	1631 (2041)	1631 (2041)	1631 (2041)	2041
Hitch Category	2, convertible to 1	2, convertible to 1	2, convertible to 1	2, convertible to 1	2, convertible to 1
Draft Sensing Type	Lower-link draft sensing	Lower-link draft sensing	Lower-link draft sensing	Lower-link draft sensing	Lower-link draft sensing
Standard Tyres					
Front, 2WD (MFWD)	7.5-16 6PR F2 (11.2-24 8PR R1)	7.5-16 6PR F2 (11.2-24 8PR R1)	7.5-16 6PR F2 (11.2-24 8PR R1)	11L-15 8PR F2 (12.4R24 R1)	(12.4R24 R1)
Rear, 2WD (MFWD)	16.9-30 6PR R1 (16.9-30 6PR R1)	16.9-30 6PR R1 (16.9-30 6PR R1)	16.9-30 6PR R1 (16.9-30 6PR R1)	480/80R30 R1W (480/80R30 R1W)	(480/80R30 R1W)
Dimensions					
Wheelbase, 2WD/MFWD, cm (in.)	217.4 (85.6)	217.4 (85.6)	217.4 (85.6)	217.4 (85.6)	217.4 (85.6)
Length, including draft links, cm (in.)	381 (150)	381 (150)	381 (150)	381 (150)	381 (150)
Height, ground to top of Cab/ROPS, cm (in.)	253/245.1 (99.6/96.5)	253/245.1 (99.6/96.5)	253/245.1 (99.6/96.5)	255/246 (100.4/97.0)	255/246 (100.4/97.0)
Weight <i>Approx. Ship Weight (less weights)</i>					
2WD Standard Open Station, kg	2729	2729	2900	2990	---
2WD Deluxe Open Station, kg	2858	2858	3107	3175	---
2WD CAB, kg	3357	3357	3447	3515	---
MFWD Standard Open Station, kg	2903	2903	3084	3175	3311
MFWD Deluxe Open Station, kg	3039	3039	3289	3357	3493
MFWD CAB, kg	3538	3538	3629	3697	3810





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and the equipment you need.

**At John Deere Credit™, our goal
is to help you succeed with
top-quality John Deere™ equipment.**

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