

5M Series Tractors

55 to 85 kW (75 to 115 hp) 97/68 EC



Work with the best

Only tractors with the best of John Deere deserve the name John Deere. This was our motto in making the new 5M tractor Series. The new 5Ms build on the success of their predecessors with improvements in many important areas – all in the interest of meeting your needs.

The 5M Series ranges from 55 kW (75 hp) to 85 kW (115 hp). Efficiency, manoeuvrability, compact dimensions and outstanding visibility are at the heart of these new machines. You are unlikely to find a more efficient tractor in this class.

M – as in **Made** by a premium brand





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Meet the family

The new 5M Series offers the right tractor for every need. Just as you would expect in a good family, each individual has its own unique strengths, combined with special family traits common to them all.

The 5M Series tractors offer more choices than ever before. Choose between extra large comfort cab, open station or the comfortable low-roof cab for work in low stables or barns – its low centre of gravity gives this tractor extra stability in hilly terrain. Fruit and vine growers will find the narrow-track option particularly useful.



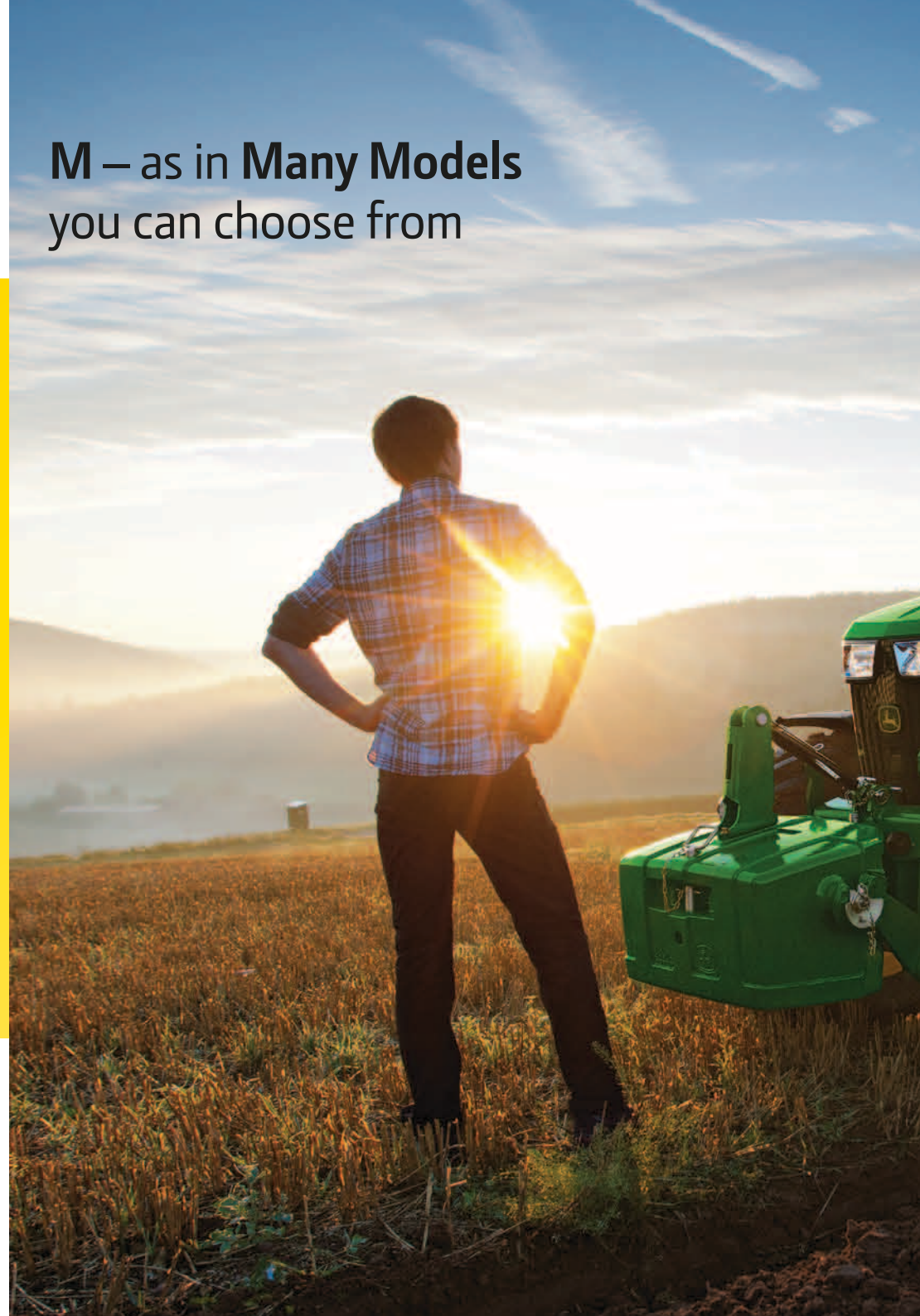
5M CAB

With its ample comfort and space, optimised ergonomics and excellent all-round visibility, the generous 5M cab sets a new standard in its class.

5M 100S

The open station version of the 5M still offers the same level of comfort and ergonomic perfection.

M – as in Many Models you can choose from





From good to great

Greatness grows from attention to detail. This was the secret to the success of the previous 5M Series and this is why we continually work on improving all those details that we know matter to you.

For example, the new 5M Series tractors sport a large comfort cab that really deserves its name: more space, better visibility and many other comfort details. Another frequent customer request has been addressed by extending the range of engine sizes at the top end – while improving fuel efficiency at the same time – and by introducing an attractively priced 3-cylinder entry-level model.

Our 5M Series tractors offer many more exciting innovations for you. **Take a look around.**



5M LowProfile

The 5M with low-roof cab and 480/70R28 tyres has an overall height of just 2.48 metres. The cab floor is level (without transmission tunnel) to give plenty of legroom.



5M Narrow

With a hub-to-hub track width of 182 cm at the front, and 172 cm (tyre to tyre) at the back, this 5M is ideal for vineyards or fruit growing and other situations where a narrow track is essential.

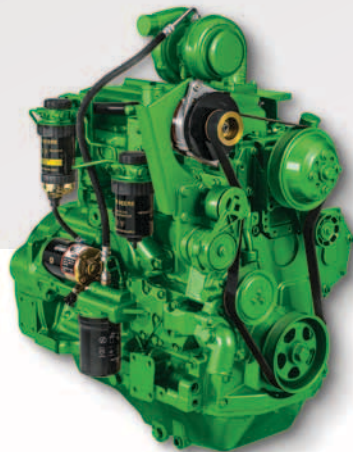
More power, more fuel economy

It's not just versatility that our customers expect from a 5M tractor but also strength. Heavy ploughing work is as much on the agenda for this machine as is the use of power-hungry PTO-shaft-driven implements.

The 4.5 litre common rail engines of the 5M tractors demonstrate how the combination of high pressure fuel injection, active charge air cooler and electronic control can lead to a torque increase of 30% – without any increase in average fuel consumption.

Attractively priced entry-level model

For price-conscious customers we have included the 3-litre PowerTechE engine model with 55 kW (75 hp) performance. Apart from the different capacity, this engine comes with exactly the same technical features as its bigger cousins, such as the common rail high pressure fuel injection and is just as efficient.



M – as in **Maximum** power included



Speedy road travel

Moving heavy loads on the road is easy for the 5M.

Full strength

The high traction force and close gear ratio are ideal for heavy tillage.



Choose the transmission that's right for you

The different gearbox options for the 5M tractors, from 16/16 SyncReverser to 32/16 PowrReverserPlus, are designed to be consistent with the engine's performance and longevity. The new modulation control kit lets you precisely adjust the speed of the PowrReverser transmission to match ground conditions and type of job.

Vegetable fields? In that case the creeper gear option makes it easy for you to work at speeds of just 300 m/h. An integrated parking lock mechanism comes as standard, securely locking the tractor in position and offering more safety.

Fast and easy maintenance

To make regular maintenance less of a chore, all maintenance points on the 5M tractors are easy to access without tools, because you've got more important things to do.



Personalise your gearbox

The 5M Series offers a range of different transmission options for every need.



M – as in **Miraculously** convenient





Comfortable, spacious cab

Your tractor cab is where you spend a large part of your working day. It needs to be designed so you can do your job as comfortably and efficiently as possible.

When working long hours, a comfortable workspace makes all the difference. With this in mind we have designed the cab of the 5M Series to set new standards in terms of comfort and space.

A new driving experience

The cab with the feel-good factor. You have to experience the generous size and premium feel of these spacious and comfortable cabs to really appreciate the difference they will make.

The comfort and high quality design of the 5M Series cab is sure to lift your spirits and make a long day's work so much more manageable.

Deceptively spacious

You may be forgiven for thinking you're driving a much bigger tractor: the size of the 5M cab can easily give that impression. You probably won't find a cab as spacious as this in any other tractor of this size!

This sense of space is further enhanced by the cab's generous glazed area: the large windscreen gives you a clear view onto your extended front loader and the rooflight allows you to keep an eye on its full reach without having to stretch or get off your seat. The low-cut windows near the bottom of the cab also give you a full view of any front attachments.

Look behind you – easily

When working with rear attachments you may be used to having to twist and turn in order to see what you're doing. Not so with the 5M: the curved rear window affords you a full and comfortable view of the widest attachments.

M – as in **More** view for you





Admire the view

The extra large cab of the 5M tractor offers excellent visibility.

Come and take a seat

You can choose between mechanical and air suspension seat. Whichever one you go for, you are guaranteed to sit comfortably. This also applies to the foldable passenger seat situated next to you which also has the benefit of plenty of legroom.

The fully adjustable fresh air fan of the heating system keeps comfort levels high. If you go for the optional air conditioning you can keep cool even on the hottest days.

To make full use of the cab's excellent all-round visibility at any time of the day or night, the 5M Series models optionally come with up to four work lights at the front and the rear, so you can keep full control even in the dark.

Open-minded

If you're looking for an open station tractor that still offers all the comfort, performance and complete reliability of a 5M Series model, then the 5M IOOS is the right choice for you. These machines have exactly the same amount of space and the same ergonomically designed controls as the closed-cab versions but give you the extra range and access, as well as the openness and 360° visibility of an open station tractor.



Heavy lifting is light work

You will be impressed with the 5M Series' powerful open centre hydraulics. All machines come with a 94 l/m tandem pump for all your hydraulically driven implements. This pump performance gives you enough power for two hydraulic controls at the front and up to three at the rear.

The 5M Series tractors are powerful weight lifters. An integrated front PTO shaft and front hitch extend the applications of your 5M tractor further. Front and rear mowers in combination or heavy duty cultivators – the strong three-point hydraulic hitch takes it all in its stride.

To give you even more flexibility in the use of your tractor, there are three different PTO options to choose from: 540/540E or 540/540E/1000 for heavy duty work or 540/540E with ground drive PTO, for example for pulling trailers with driven axles in hilly terrain.

At your fingertips

All your hydraulic controls are ergonomically placed and within easy reach.



M – as in **Mighty** lifters





For all terrains
Powerful PTO makes your 5M even
more versatile.

Front loader work made easy

The front loader is your extended arm when it comes to shifting heavy loads. With a John Deere front loader this works especially well as they are built for our tractors and both are optimised to work in perfect unison. You'll notice the difference immediately when handling large bales or stacking pallets. However challenging the task, you are completely in control with our new ergonomically designed joystick.

There's no longer any need to put off front loader jobs either: the front loader now mounts so quickly and easily, you can do those little shifting and stacking jobs straight away and in no time at all. The optimised design means that tractor and front loader work together as one. Additional features such as a powerful front linkage, front PTO, PowrReverser, a high performance hydraulic pump and a maintenance free multi-disc wet clutch complete the set.

M – as in **M**atches perfectly



The perfect match for the 5M: the John Deere H Series front loaders

Integrated suspension button allows the operator to toggle between suspension on and off directly from the operator's seat.





A strong framework

The sturdy mid-frame design of the 5M tractors is ideal for heavy front loader lifting or any other work with heavy front attachments. Its solid build gives the 5M exceptional stability and enables a generous maximum load of 6500 kg on cab tractors.

The engine rests on rubber mounts to protect the drive train from shocks and vibration.

For frequent changes of direction

The optional electro-hydraulic PowrReverser allows you to change direction at the flick of a switch without the need to use the floor clutch: perfect for loading work.

High comfort in low stables

Exceptional space and comfort is still guaranteed in the low-roof model, 5M LowProfile, which at just 2.48 m height (with 480/70 R28 tyres), offers the full performance of the 5M models for work in low stables or barns, without compromising on comfort.



**Ideal for working in confined spaces:
The 5M LowProfile.**

M – as in **Manoeuvrability** without limits





Nimble and efficient

Loading and unloading round bales, mucking out, reversing in tight and awkward spaces – the nimble and agile 5M tractors are made for this sort of work.

With a narrow wheelbase and a turning circle of just 4.6 metres, the 5M really shines when working in tight stables or in small fields with the frequent need for turns. The responsiveness and manoeuvrability of these compact tractors make your every day work even easier.



Outstanding manoeuvrability

Their agility is another key strength of the compact 5M tractor models.

Technical data

	5075M	5085M, 5100M, 5115M
ENGINE		
Manufacturer	John Deere PowerTech E	John Deere PowerTech E
No of. Cylinders / aspiration	3/TC	4/TC
T = Turbo, C = Intercooler		
Displacement (cm ³)	2900	4500
Valves per cylinder	2	4
Fuel tank capacity (l)	177 (Cab)	153 (OOS), 177 (Cab)
Biofuel capabilities	Yes	Yes
Cooling method	Water	Water
Emissions level	Stage III B	Stage III B
Service intervals (hours)	500	500
PERFORMANCE		
Rated Power (97/68 EC), kW (hp)	55 (75)	63 (85) / 74 (100) / 85 (115)
Rated Power (ECE-R24)	N/A	60 (82) / 72 (98) / 84 (114)
Rated Speed (rpm)	2200	2200
Max. torque (Nm)	304	356/418/480
Max. torque @ engine speed (rpm)	1600	1600
Torque reverse in %	27	30
TRANSMISSION		
Std. transmission	16F / 16R or 32F / 16R PowrReverser	16F / 16R or 32F / 16R PowrReverser
Clutch	Wet clutch	Wet clutch
Max. transport speed (km/h)	40	40
Brakes type	Hydraulic Wet Disc	Hydraulic Wet Disc
Differential lock	Electro-hydraulically operated	Electro-hydraulically operated
PTO		
Clutch	Electro-hydraulic	Electro-hydraulic
Standard	540/540E or 540/540E/1000	540/540E or 540/540E/1000
HYDRAULICS		
System type	Open Centre	Open Centre
SCV control	Lever	Lever
Pump rated output		
steering (l/min)	24	24
standard (l/min)	70	70
Total (l/min)	94	94
Hydraulic pressure (bar)	200	200
Hitch lift capacity max. 610 behind..	2900 kg	2900 kg
Hitch lift capacity max.	3600 kg at balls	3600 kg at balls
Sensing type	Top link	Top link
SCV		
SCV rear (max)	3	3
SCV mid	2	2

	5075M	5085M, 5100M, 5115M
OPERATOR STATION		
Model availability (i = isolated)	Cab	Cab
Roll over protective structure oos	Yes	Yes
Platform – Flat/Straddle	Flat	Flat
Gearshift location	Left hand reverser with right hand gear shift	Left hand reverser with right hand gear shift
db(A) rating	77	77
Seat suspension system	Mechanical or air suspension	Mechanical or air suspension
Worklight		
rear	2 (4 optional)	2 (4 optional)
Beacon light	optional	optional
Rear wheel weights	optional	optional
one-piece hood	Yes	Yes
DIMENSIONS & WEIGHTS		
2WD availability	Yes	Yes
4WD availability	Yes	Yes
2WD		
Wheelbase (mm)	2300	2300
Front tread setting (mm)	1488–2070	1488–2070
Rear tread setting (mm)	1660–1907	1660–1907
Turning radius (m)	3.8	3.8
Min. overall width (mm)	1723	1723
Ground clearance front (mm)	480	480
Total height (mm)	2550	2550
Total height with folded roll-over frame (mm)	1990	1990
Shipping weight (kg)	3600	3600
Max. permissible weight (kg)	6000	6000
Tyres		
front	11L-15 F3	11L-15 F3
rear	420/85R30	420/85R30
4WD		
Wheelbase (mm)	2300	2300
Front tread setting (mm)	1451–2005	1451–2005
Rear tread setting (mm)	1660–1907	1660–1907
Turning radius without brakes (m)	4.6	4.6
Min. overall width (mm)	1723	1723
Ground clearance front (mm)	435	435
Total height (mm)	2550	2550
Total height with folded roll-over frame (mm)	1990	1990
Shipping weight (kg)	3900	3900
Max. permissible weight (kg)	6500	6500
Tyres		
front	320/85R24	320/85R24
rear	420/85R30	420/85R30

M – as in **Make** a call now!

We have solutions to your challenges! John Deere is committed to keeping you up and running.

That's why our products and technologies are quality-built, state-of-the-art and efficient. We've invested generously in building an effective dealer network so we can be like a good neighbour – there to help when you need us.

That's why all our dealer employees are John Deere trained. They know every nut and bolt on your equipment and they're skilled at diagnosing any potential problems.

Count on John Deere for all your tractor needs. With more than 175 years of experience in the farm equipment business, we can honestly say: Reliability is our Strength.



John Deere Financial – A range of finance options as powerful as our products.
Contact your John Deere dealer for a comprehensive range of finance options to suit the specific needs of your business.
Not available in all countries please consult your local dealer.

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