


For Earth, For Life
Kubota

M

KUBOTA M4003 SERIES

M4-063 - M4-073





**Fresh
thinking is
the answer
to today's
challenges.**

The challenges facing the agricultural sector are becoming increasingly bigger. And when times are tough, only one thing helps: a new way of thinking. Envisaging alternative options and making smart decisions. For your next tractor purchase, this means opting for efficiency instead of image. For a tractor that can do tough work with top performance whilst under constant strain. And all that at a reasonable price. A Kubota tractor is exactly the right alternative at times like these.

**Tough
times need
unexpected
tough
performance.**



When it becomes increasingly more difficult to be successful, the time has come to take an uncompromising approach. And this means demanding unquestionable quality and reliability. Kubota meets these requirements with engines, which meet expectations when things get tough. You will be surprised by their performance, power, and fuel efficiency.

A new understanding of farming enabled by a global player.

To be a partner who can facilitate new ways of thinking requires a certain degree of power and seriousness. Did you know that Kubota is a global, rapidly growing company for the professional agricultural sector? Just take a look at the decisions and steps we have taken in the last years. Surprised?

2012

Kubota acquires the Kverneland Group

2014

Opening of a new production plant in France

2015

Market launch of the M7001 series and the Kubota implements programme.

2016

Kubota expands its implements division with the acquisition of Great Plains

2020

Launched the brand new M6002 Series to the European market

A Kubota tractor, model M4075, is shown in a field of harvested crops. The tractor is orange and black, with a large implement attached to the back. The implement has two large wheels and a complex frame. The scene is set during sunset, with a warm, golden light illuminating the field and the sky. The background shows a line of trees and a clear sky with some clouds. The overall mood is peaceful and productive.

A future-oriented portfolio doesn't end with tractors.

The requirements in agriculture are not only high, but also comprehensive and diverse. Fortunately, Kubota has exactly the right solution for every task – and from a single source. With a huge implements programme on the market and the Kubota ISOBUS production, we are your partner who thinks ahead and makes things possible. All machines and processes are perfectly compatible with each other and guarantee the highest level of quality and efficiency, not to mention future viability.

#Highlights



Kubota Farm Solutions

360° performance for 100% success.

We've understood that your success requires more than a powerful tractor: namely an integrated system of products, services and support to increase your future viability and competitiveness. With Kubota Farm Solutions we have bundled our solutions into a single system that really hits the mark. From intelligent technology to individual services, Kubota Farm Solutions' advantages are perfectly intertwined – and form a cycle that ends where it begins: with our claim of always being able to support you a little better now and in the future.



Performance

The Kubota M4003 is the perfect all-rounder for farm and field work. It knows to convince through unique manoeuvrability, great versatility and maximum productivity. Despite its compact design, comfort is a major priority.



Control

Optional Iso-Match Tellus monitors turn your M4003 into an ISOBUS tractor. In this way, you can take your work efficiency to a new level, saving time and resources, and thus also money.



Optimisation

Retrofit sets make the M4003 fit for Precision Farming. Take advantage of the many possibilities offered by this state-of-the-art technology for the efficient and environmentally friendly management of your land.



Investment protection

A maintenance contract helps to protect your investment in the long term. Kubota also offers you a two-year manufacturer's warranty for the M4003, which you can optionally extend to five years with a Kubota Partner warranty extension.



Finance management

The M4003 stands for productive and pleasant work. With Kubota Finance you can invest in technology that will make an important contribution to your success.

Cabin

The new spacious cab of the M4003 focuses on comfort and quality down to the smallest detail. It sets new standards not only in terms of size, but also through novel features such as the new pneumatic driver's seat and the optional passenger seat.

Dashboard

The new digital dashboard provides all the necessary information precisely and at a glance.

Engine

The 4-cylinder V3307 engines with 3.3 l displacement deliver either 66 hp or 74 hp. The tractors are equipped with an EGR valve and new filters for exhaust gas treatment.

Rear linkage

The powerful Category II rear linkage has a lifting capacity of 2,500 kg. This allows you to perform even the most demanding tasks with ease.

New transmission

The new 36F/36R transmission in the M4003 gives you the right working speed and efficiency for any job.

Turning radius

Its compact design and the front axle with bevel gear drive make the M4003 series unbeatably manoeuvrable.



Also available as ROPS version.



#Engine

Engines that provide power and more

Powerful, clean and quiet – those are the three words that best describe Kubota’s new 4-cylinder engines. The economical engines of the M4-063 and M4-073 models deliver a whopping 66 hp and 74 hp respectively. Thanks to the use of innovative technologies, the Kubota engine also goes easy on the environment.

Kubota once again sets standards with its fully electronically controlled 3.3-liter V3307 CR-TE5 engines with high-pressure injection (CRS). Finely tuned and equipped with state-of-the-art technology, such as the 4-valve common rail injection system (E-CDIS), they deliver maximum power and torque with greater fuel efficiency and lower noise and vibration levels. The combination of exhaust gas recirculation (EGR), diesel oxidation catalyst (DOC) and diesel particulate filter (DPF) reduces emissions and meets the latest Stage V emission regulations.

Optimum performance where it counts

Kubota has specifically optimized the power and torque curves of the engines. Improved performance and higher torque at low engine speeds bring you triple benefits, namely lower noise levels, less wear and reduced fuel consumption. The latter means that the 90-litre (cabin tractor) and 70-litre (ROPS version) diesel tanks need to be filled less frequently. Which pays off for you.

The engine thinks along

The engines of the M4003 also have a constant speed controller with which you can control the engine speed very precisely. When the system is activated, the engine speed is kept constant even under changing loads. This prevents a drop in hydraulic power and travel speed, and allows you to work constantly and therefore more efficiently with implements.

Save engine speed for recurring work

With the engine speed memory you can save the speed setting that you need, for example for PTO work, front loader work or direction changes. The settings can be called up at the touch of a button and you can start working without having to use the throttle.

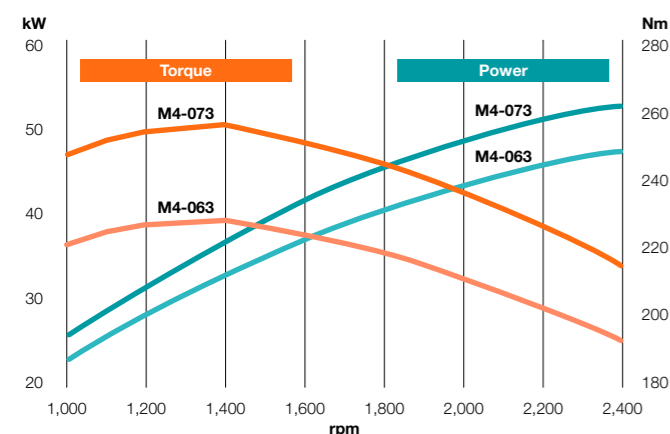
The user-friendly, convenient dual memory switch allows you to set two engine speeds individually.



Did you know?

Did you know that Kubota builds its own engines and is the world market leader for industrial diesel engines up to 100 hp? You’d be surprised to see how many machines in the world contain Kubota engines. Highest quality and efficiency are the key reasons for this success.

Power and torque



M4003



Where shifting is a breeze

Convenient and easy shifting – the M4003 perfectly meets this requirement. With the new versatile tractor, you can choose between two easy-to-shift, optimally matched transmissions. Additional shifting comfort is provided by the electro-hydraulic shuttle shift, which is not only useful for front loader work.

With the M4003, you can master the work involved in your business with confidence. All tractors are equipped as standard with a tried and tested transmission with 18 forward and 18 reverse gears. Six perfectly matched gears and three groups (transport, field, creep speed) ensure smooth, comfortable shifting.

In addition to the 18F/18R transmission, Kubota also provides 36 forward and 36 reverse speeds for the M4-073 models. With six synchronised gears with a dual powershift in the three groups, you can adjust the driving speed exactly to the respective task.

Driving fast and saving fuel

The 40 km/h transmission with Eco-Drive keeps the engine speed low when driving at high speeds. So you reach your destination quickly – with a low fuel consumption as well as low noise level.

Quick and precise turning

With the new electro-hydraulic reverse shuttle, you can easily complete all turning manoeuvres. Conveniently located on the left of the steering wheel, you can simply operate the reversing lever with your fingertips. So you can change direction quickly without using the clutch. Which makes front loader work noticeably easier.

Simple clutch control

The wet multi-disc clutch of the M4003 guarantees durability and a long service life, and is easy to operate for the attachment of implements.

Double safety in all positions

The parking lock can be operated conveniently with the central gear lever. It is very reliable and ensures safe parking in any terrain.



Did you know?

Did you know that Kubota has been one of the leading players in construction machinery and compact tractors in Europe for many years? This experience and the corresponding success factors are also applied in professional agricultural engineering.

Reliable traction power

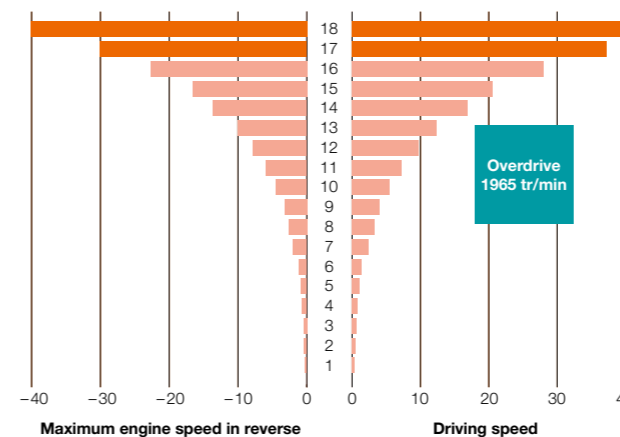
The standard self-locking differential on the front axle ensures constant tractive power even in difficult terrain. In cases where one wheel would normally spin, the self-locking differential automatically transfers the force to the other wheel and enables stable working in the field.

Switch on all-wheel drive at will

You can simply switch the all-wheel drive on and off electro-hydraulically at the push of a button. You don't even have to stop the tractor to do so, for example when moving from the field to the road, so you always stay productive.

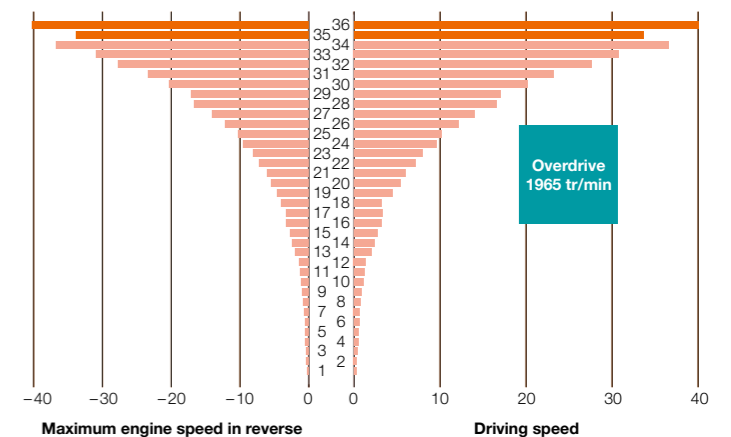
M4003 Series 18/18 transmission

Tire size 420/85R30



M4003 Series 36/36 dual-speed transmission

Tire size 420/85R30





Get in and enjoy true spaciousness

The new M4003 proves that hard and long working days can also take place in a highly pleasant working environment. Its new extra-wide and extremely spacious Ultra Grand Cab II is one of the largest cabins in its class. Its comfortable, high-quality design provides everything you need for enduring, fatigue-free work.

The elegant Ultra Grand Cab II provides you with extra comfort and space at work. And the best view is guaranteed at all times. The cabin glass of the Ultra Grand CAB II is curved to give you excellent visibility in all directions. Furthermore, the glass surface of the wide-opening cabin doors has been enlarged, which enables you to get in and out even more easily. The level floor and the unobstructed cabin roof offer ample foot and headroom.

Everything in view, even upwards

The Ultra Grand CAB II also ensures excellent visibility upwards. The glass roof hatch enables you to directly see the fully raised front loader or pallet fork. The retractable sun shade gives you two distinct advantages: You will not be blinded by the sun and literally keep a cool head at all times.

Simply swivel away the steering wheel

The steering column can also be swivelled forward by 40° for easier entry and exit. A brief push on a pedal and the steering wheel returns to its original position. In addition, the steering column can also be extended for greater driving comfort. The optimized steering wheel provides a better view to the front and the dashboard.

The ideal seating position

The padded driver's seat provides various adjustment options, a high backrest, swivelling armrests and a retractable safety belt – ideal prerequisites for comfortable and productive work.

Full-size passenger seat

A full-size passenger seat is available as an option, so that two adults can comfortably sit in the cabin. When not in use, the seat can be folded down to make room.





A good working feeling every day

Always everything under control – with the M4003 that's not just an empty phrase, but a fact. The controls are ergonomically arranged so that you can concentrate fully on your work. And a great climate is also guaranteed in all weather conditions. That is ensured by the sophisticated heating and air conditioning concept of the tractor.

Thanks to the ventilation slots in the cockpit and the curved glass, the two-stage air conditioning and heating system optimises air flow in the cabin and temperature control throughout the year. Which keeps you cool on hot summer days and warm on cold days. The overhead controls, as you are accustomed to in your car, are intuitive to use and designed to never get in your way.

A comfortable climate in all types of weather

Heating and cooling unit are located under the driver's seat. Thanks to the ventilation slots in the steering column and the curved glass, the two-stage air conditioning and heating system optimises air flow in the cabin and temperature control throughout the year. Which keeps you cool on hot summer days and warm on cold mornings. The overhead controls, as you are accustomed to in your car, are intuitive to use and designed to never get in your way.

Clear view at all times

You want a clear view even in harsh weather? A window heater for the corner and rear windows ensures you can see clearly. The alternator supplies 130 amps or 80 amps for the M4003 ROPS.

All information digitally available

The new digital dashboard provides all information clearly and concisely. All important data is immediately available and easy to read.

Easily operate the PTO from the inside

Extremely convenient: Kubota has now moved the PTO lever into the cabin. So, when working with PTO driven implements, you no longer have to leave the cab to change the PTO speed.

New high-performance working lights

LED work-lights are now available as option.



#ROPS



Simple adjustment of roll-bar height

You can adjust the roll bar simply and conveniently with two easily accessible socket pins. You simply have to loosen the pins, adjust the bar to the desired height and fix it again – done!

Optimal ergonomics and waterproof

The control elements of the ROPS models are conveniently located on the right next to the driver's seat. All switches and levers are ergonomically optimized and are particularly comfortable to operate. The new dashboard of the tractor is designed to give you an unobstructed view to the front. Since tractor work does not come with a fair weather guarantee, all instruments and controls are, of course, absolutely watertight. Even heavy rain will not cause any problems.

For unlimited views

The M4003 is also available as a so-called ROPS version with roll bar. The advantages of these cab-free tractors are obvious: unimpeded access to and from the vehicle, as well as a perfect view of the implements and the area and crop that is being dealt with.





#Hydraulics

A workhorse with a hands-on nature

Strong lifting force, high operating comfort and precise guidance – the hydraulics of the M4003 meet all requirements. That means: you can be sure of the best possible use of implements and maximum productivity and efficiency.



The rear hydraulic lift of the M4003 Series lifts even the heaviest implements very easily thanks to its 2,500 kg lifting force. You can easily connect a wide variety of devices to the Cat. II lower link. The position controller controls the position of the rear implements and thus determines the position of the implement easily and precisely. The ohmic resistance control automatically adjusts the required working depth to keep the tractive power constant.

Convenient operation of the PTO shaft from the outside

The power take-off of the M4003 can also be switched on and off conveniently via a rear actuation located on the left rear mudguard.

Hydraulics that know to convince all round

The hydraulic system of the M4003 is powerful and responds quickly. The external, maintenance-friendly hydraulic cylinders improve the lifting power, while a high pump output shortens the cycle times for front loader work and increases productivity and performance.

Higher work quality

Two hydraulic SCD auxiliary control units are standard on the M4003, a third one is optionally available. SCD auxiliary control units mean easier operation of the implements for you, as they have a hydraulic detent. The FD valve, which also comes as standard, has a floating position so that the units exactly follow the ground surface. This not only improves the quality of work, but also ensures a smoother ride.

These PTOs can be relied on

Mowing, swathing or baling: The M4003's independent 540 PTO proves its worth even for the toughest jobs. The PTO can be engaged and disengaged electro-hydraulically while driving. This makes the operation of the implements more efficient during hay harvesting or crop protection. A 1000 PTO is available on request and extends the range of implement applications. The 540E PTO reduces engine speed by at least 25%. This results not only in better fuel efficiency, but also in reduced noise emissions.





#Traction

Excellent manoeuvrability even in confined spaces

The front axle with bevel gear drive makes the tractors of the M4003 series extremely manoeuvrable and gives them a high ground clearance. This makes the tractors ideal for working in confined spaces.

The front axle with bevel gear drive enables an exceptional turning radius of 3.5 m, which makes the M4003 extremely manoeuvrable. This feature, together with its compact design, makes the tractor easily steerable even in the smallest of spaces, which considerably increases productivity, e.g. in narrow courtyards. Since the front axle has no universal joints, it also requires little maintenance.

Particularly high ground clearance

Kubota's typical front axle gives the M4003 not only enormous manoeuvrability, but also great ground clearance – one of the highest in its class. You can drive the tractor over bed crops or high hay swaths without damaging or tearing them up. This results in lower harvest losses as a positive effect that pays off for you.

Simply switch on all-wheel drive

In order to switch the four-wheel drive on or off, you simply need to press a switch. The tractor does not have to be stopped for this, even when changing from field to road. So you remain productive at all times. An LED display shows you that the all-wheel drive is switched



Did you know?

Gonshiro Kubota founded the company because he was no longer able to watch people die from polluted drinking water. So he started manufacturing products for a clean water supply. Since then we provide various products that contribute to improving the living conditions of people and society. That is what "For Earth, For Life" stands for.

on. An added safety benefit: When the brake is applied, the all-wheel drive is automatically switched on for better braking power.

No chance for slip

A front axle locking differential and rear axle differential lock are standard on the M4003, ensuring improved stability, reliable traction when pulling heavy loads and more consistent driving speed on difficult ground conditions and demanding terrain.

Safety is paramount

With the M4003 you'll always be playing it safe, also thanks to its hydraulic wet disc brakes. These brakes require less pedal effort and retain their high braking force and effect even after repeated heavy use. A long life span is thus guaranteed. What's also interesting is the fact that Kubota has redesigned the parking brake on the right-hand side console to make it more intuitive to use.





#Front loader

A perfect match: The M4003 and the Kubota front loader

With the M4003 and a Kubota LA1365 you are well prepared for all front loader work. This perfectly matched combination convinces with speed, versatility and maximum productivity.

Kubota's LA1365 series of front loaders can be precisely tailored to your individual requirements. The hydraulic parallel guidance of the front loader, which can be switched on and off, ensures the constant angle of the shovel. Additional functions such as the 3rd and 4th control circuit create the ideal conditions for working with demanding implements.

Attaching and removing the front loader in next to no time

The front loader can be mounted and dismounted without tools particularly quickly. With the integrated supports of the front loader and the quick-change system you can do so in no time at all. That gives the tractor an extra boost in terms of productivity and versatility. With the optional hydraulic quick coupling, you can connect all of the tractor's four hydraulic lines at once. A standard Euro quick coupling is the ideal choice whenever tools with Euro connectors are used. This also enables quick and convenient tool changing.

Convenient operation

The joystick for the front loader is easily accessible on the side operating console, and allows you to control the front loader quickly and easily.

Extended possibilities

An optional valve for the third additional function further extends the range of applications of the front loader. The valve can be operated from the cab and activated with a button on the handle of the joystick.

Minimize vibration load

Kubota Shockless Ride (KSR) vibration damping ensures a quieter ride as it absorbs the shocks of the front loader. It is adjusted and switched on and off via the valve.

Even more productive with the shovel

A four-joint coupling improves the rolling back and tilting angle. It improves not only the range of motion of the shovel, but also that of other tools. The result is faster pick-up and tipping.





Utilizing the great potential of Precision Farming

With the help of retrofit kits, you can also benefit from the enormous advantages of Precision Farming on the M4003 Series tractors. You can increase efficiency even further with the new electric steering wheel. It keeps the tractor perfectly on track while allowing you to concentrate on the operation of the implements.

Complete traceability

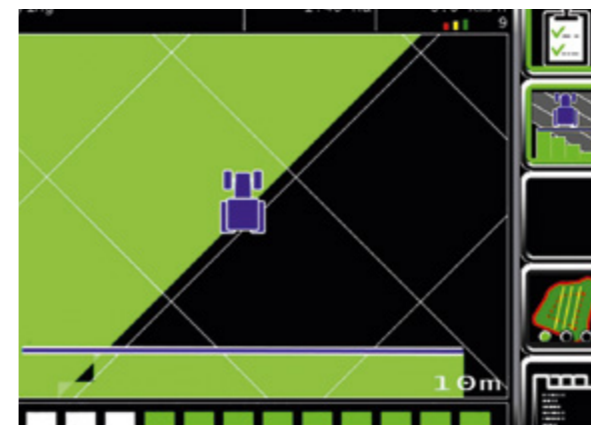
Upgrade your M4003 to an ISOBUS tractor with the IsoMatch Tellus Pro 12" or GO 7" monitors. With the monitors, you can track everything that you have done on the field, completely and precisely. With this perfect solution from Kubota you can check whether the tractor has completed all the necessary tasks – even while driving. The exact documentation is also an additional plus for your safety.

The tractor steers itself

Kubota's new optional electric steering wheel now also enables the automatic steering of M4003 Series tractors. An additional benefit: It can be easily mounted from one tractor to the other. The particularly useful technology can therefore be used for different tractors. This is extremely user-friendly for drivers, as they can now devote all their attention to the operation of the implements and do not have to worry about steering – according to the motto: Let the tractor do the driving and concentrate fully on the work to be done.

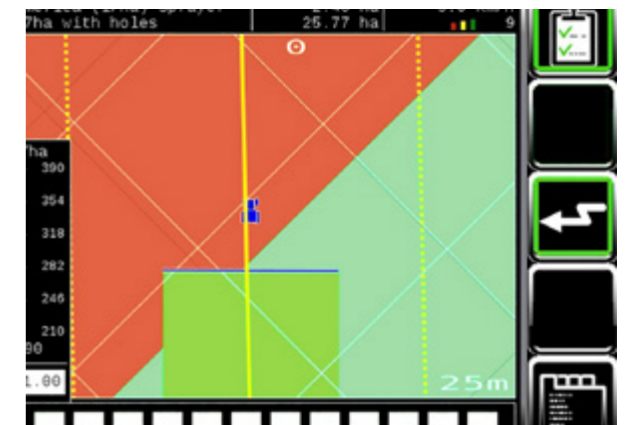


Two additionally important Precision Farming functions are made available through the retrofit monitors:



Section control

The implement is able to regulate the beginning and end of plots of land itself with a licence for automatic boom section control. This saves costs and increases driving comfort.



Partial section-specific application

Together with a license for the partial section-specific application, the implement is able to regulate the application amount itself in combination with a geo-referenced map. This increases yields per hectare, saves costs and improves driving convenience.

#Technical data

Model	M4-063		M4-073		
	ROPS	Cab	ROPS	Cab	
Engine	Kubota				
Engine type	V3307-CR-TE5				
Displacement/No of cylinders	cm ³	3,331 / 4			
Rated speed	rpm	2,400			
Rated power (ECE R 120)	hp (kW)	66 (48.8)	74 (54.6)		
Fuel tank capacity	l	70	90	70	90
Transmission	Kubota				
Type – Main gear shift	6 speed synchronised; Option: Dual Speed				
Range gear shift	3 groups: transport/field/creeper				
No of speeds	F18/R18		F18/R18 (serial) F36/R36 with Dual Speed (optional)		
Max travelling speed	km/h	40 mit Eco-Drive			
Shuttle shift	electro-hydraulic shuttle				
Main clutch	multiple wet disc				
Brake type	Hydraulically operated wet disc brakes, with automatic front axle engagement (4WD)				
4WD engagement	electro-hydraulic				
Rear differential lock	mechanical type				
PTO					
Speed	rpm	540/540 Eco; Option 540/1,000			
Activation	electro-hydraulic				
Hydraulic					
Pump capacity	l/min	63			
3-point hitch	Quick-hitch lower link ends (Cat II)				
Control system	Position and draft control				
Lift capacity	kg	2,500			
No. of hydraulic valves and type	Standard: 2; optional: 3				
Standard tire size	F/R	F: 320/85R20; R: 420/85R30			
Dimensions and weight					
Length	mm	3,700			
Height	mm	2,090*	2,580	2,090*	2,580
Width min–max	mm	1,850–2,150	1,950–2,165	1,850–2,150	1,950–2,165
Wheelbase	mm	2,135			
Tread width front	mm	1,450–1,535	1,365–1,415	1,450–1,535	1,365–1,415
Tread width rear	mm	1,430–1,730	1,530–1,745	1,430–1,730	1,530–1,745
Weight	kg	2,570	3,040	2,570	3,040

*with folded roller bar



Model	M4-063/M4-073	
A Overall length	mm	3,700
B Wheelbase	mm	2,135
C Cab height (from centre of rear axle to cab roof)	mm	1,845
D Overall height	mm	2,580
E Overall width (min./max.)	mm	1,950/2,165
F Track width (min./max.)	mm	1,365/1,415
G Ground clearance	mm	430

* Standard tyres size: 320/85 R20, 425/85 R30

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