

For Earth, For Life  
**Kubota**

**M**

## **KUBOTA M7004 Series**

M7-134 - M7-154 - M7-174



#Introduction

# The M7004 Series. Your daily workmate

Whether you're plowing fields, transporting materials, or performing routine maintenance, the M7004 is more than just a tractor—it's your trusted partner in every endeavor. Experience the difference with a workmate that's there for you, day in and day out.

With up to 170 Hp, a wheelbase of 2.72m and a maximum lifting capacity of 9400kg these tractors combine the ability to handle heavy implements without sacrificing the outstanding maneuverability.

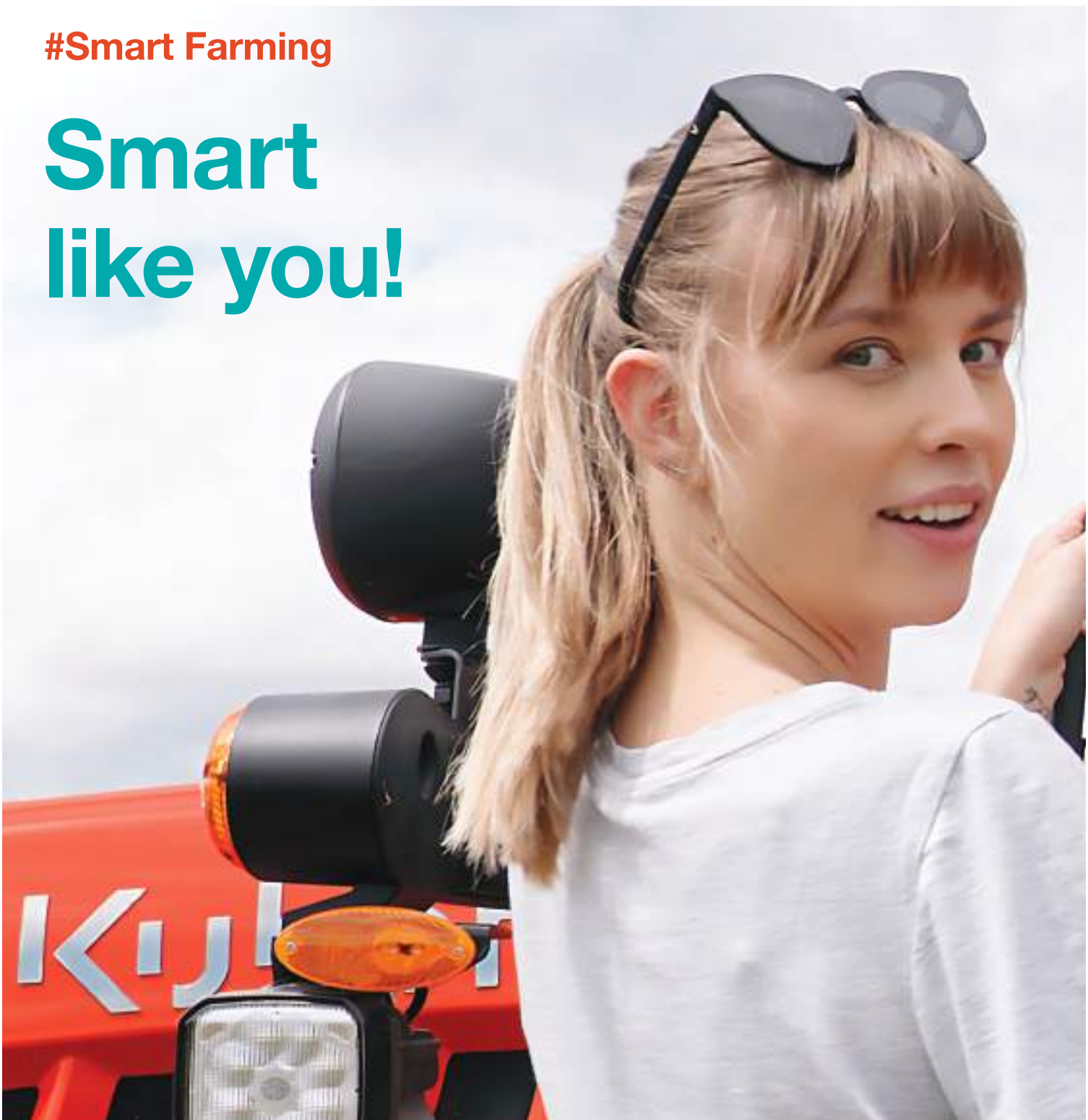


The functional uncluttered control layout in the cab means that it is the ideal machine for farms where seasonal or temporary workforce is required as the tractors are very easy to understand and operate.

For customers where precision farming has become the norm, the Kubota precision farming package offers all the applications to enhance crop yield, efficiency, and sustainability.

#Smart Farming

# Smart like you!



**With its “smart farming” package, the Kubota M7004 optimizes and automates many tasks, allowing you to focus on strategic decision-making without the hassle of manual adjustments.**

Central to the Kubota M7004’s functionality are the new K-Monitors, available in two models: the 7” K-Monitor and the 12” K-Monitor Pro. These monitors consolidate all essential information to streamline your operations:

**Powerful Performance:** Equipped with a Quad-Core CPU, both models deliver exceptional performance and a smooth user experience.

**Intuitive Operation:** The 12” K-Monitor Pro features a versatile four-part screen for easy navigation, while the 7” model offers quick switch buttons for straightforward use.

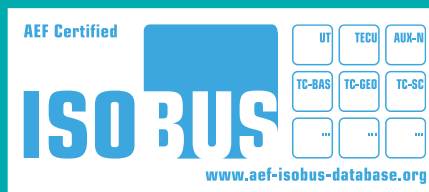
**Continuous Evolution:** With regular updates, K-Monitors continuously improve, adding new features that enhance functionality with each tractor upgrade.



**K-Monitor Pro 12"**



**K-Monitor 7"**



### Intelligent connection with your ISOBUS implements.

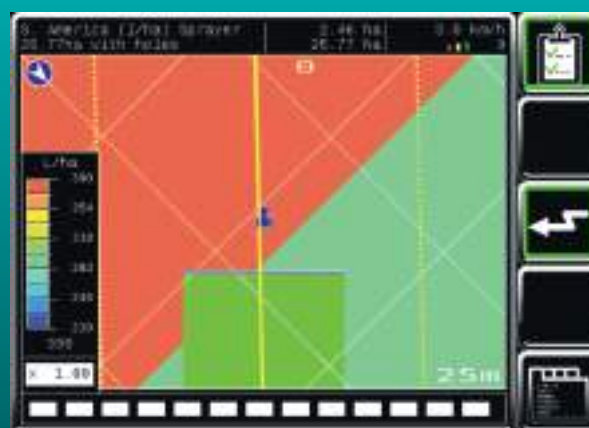
The M7004's full ISOBUS compatibility allows effortless control of various implements like sprayers, spreaders, and drills. This unified interface simplifies operations, reduces setup time, and ensures seamless integration of all ISOBUS-equipped machinery with the tractor, boosting efficiency and streamlining farm management.

### Precision farming for optimal efficiency.

The Kubota M7004 utilizes GEOCONTROL technology, integrating GNSS receivers for precise control over your farming operations. This system enables:



**Section Control:** Automatically turns off sections of your implement when not needed, preventing overlap and reducing input costs.



**Variable Rate Application:** Adjusts the application rate of inputs like fertilizers and pesticides based on geo-referenced maps, ensuring optimal use and further cutting costs.

These features help maximize yields per hectare, reduce waste, and enhance sustainability by applying the right amount of inputs exactly where needed.

#Intelligent Farming

# Let the M7004 do your work!



## Auto-guidance for stress-free operation.

The Kubota M7004 is equipped with advanced auto-guidance technology, eliminating the guesswork from driving. This system ensures the tractor follows an accurate path across your fields, preventing overlaps and missed areas. By automating steering, auto-guidance reduces operator fatigue and allows you to focus on monitoring other important tasks. This technology improves accuracy, increases productivity, and ensures efficient use of every part of your land.

## Semi-Autonomous operations with TIM.

TIM (Tractor Implement Management) is an advanced technology used to enhance the efficiency and effectiveness of farm operations by improving the communication between tractors and implements.

TIM technology enables implements to control tractor functions, reducing operator workload and increasing efficiency. With TIM, repetitive tasks like opening the tailgate or turning off the PTO are automated, minimizing manual effort and reducing fatigue.



### TIM System





### Efficient baling with TIM.

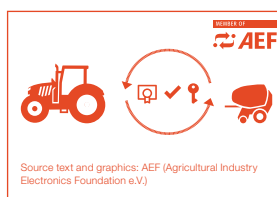
The TIM hardware, available in the Techno Pack for the Kubota BV Series round baler, requires a license for activation. This technology automates several baling tasks, significantly reducing manual operations and improving bale quality, even with inexperienced or fatigued operators. By automating repetitive tasks, TIM technology can save up to 800 manual operations per 100 bales, increasing both comfort and productivity during long working hours.

### Expand your capabilities with TIM spreader.

In addition to the round baler, Kubota's TIM technology is available for the TIM spreader. This system allows the spreader to automatically adjust tractor speed and spreading rate based on field conditions and crop requirements, ensuring precise application and reducing waste. The TIM spreader optimizes input usage and enhances crop yield, making it an invaluable tool for.

### Compatibility and Flexibility.

TIM is available as an option for all M7004 Premium KVT tractors and works with all AEF-certified TIM implements, not just Kubota's. This system allows implements to control various tractor functions, enhancing versatility and ease of use.



#Cab

# Your perfect working day



## Comfort

High quality driver's seat and reduction in impacts felt by the driver through front axle and rear cab suspension units, allow work to be carried out in comfort and safety.

## Spacious cab, comfort and user-friendly controls ergonomically positioned.

The M7004 guarantees a comfortable working environment, even during the longest working days. This is ensured by its spacious cab, which is ergonomically designed and is one of the largest in its class. The well laid-out operating concept and excellent all-round visibility allows the operator to concentrate on the work - even when day becomes night. Inside the cab, soft downlights ensure full visibility to the console controls.



#### **Cab access and seating position**

Access to the cab has been further enhanced with new steps introduced. No levers or controls obstructing the operator climbing on to the seat. Comfortable seating position and full seat and steering adjustment ensures the optimum operating position.

#### **Unrivalled vision**

With only four posts, rounded mudguards and a forward-sloping bonnet, the M7004 provides excellent visibility to the front, rear and both sides. The all-round visibility allows the operator to see all working areas around the machine. Clear vision prevents accidental damage occurring.

#### **Lighting package**

Up to 14 LED work lights can be fitted generating over 35,000 lumen to guarantee highly productive work, even at night.

## #Engine



### Unmatched power and performance for today's farmers

The Kubota M7004 Series, crafted by the Kubota Group—one of the world's leading manufacturers of industrial diesel engines—delivers extraordinary power and efficiency that meets the high standards of modern agriculture.

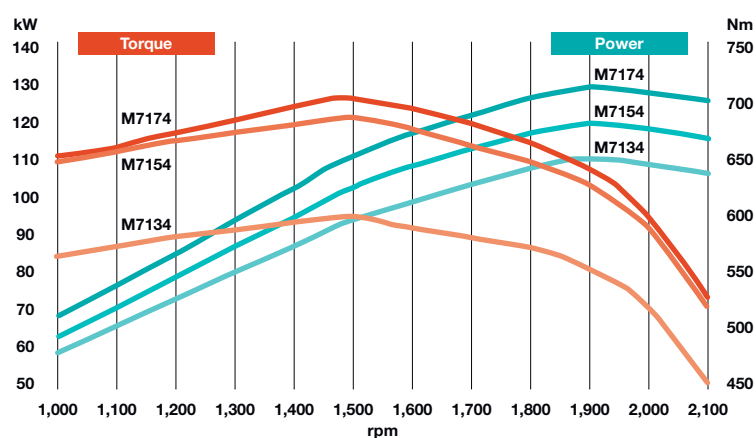
At the heart of the M7004 Series is the Kubota 6.1-litre V6108 TIEF5 engine, the largest in its class. This advanced engine seamlessly combines the benefits of 4-cylinder technology with the power of a large displacement, offering the best of both worlds:

- Exceptional performance with lower fuel consumption
- Long-stroke design for greater torque at lower engine RPMs
- Smooth, quiet operation for a more comfortable experience

# Engineered for excellence

The three models in the range deliver power outputs of 130, 150 and 170 hp respectively and adhere to the latest stringent emission control.

## Power and torque



**330 L**

Tank for fuel



**38 L**

Tank for AdBlue®

## #Transmission

# Choose the best for you!

Whether you're plowing fields or transporting loads, the M7004's transmission options ensure optimal performance and adaptability to your needs.

Choose between the ultra-responsive 6-speed Powershift transmission for precise control and quick gear changes and the stepless transmission (KVT), which provides infinite gear ratios for a smooth, uninterrupted flow of power.



## KUBOTA K-POWER

### A working speed to suit any application

Gear overlap in each range ensures there is a working gear suitable for the operation. The result is 21 speeds in the main working range (5 – 20 kph).

### Auto Powershift

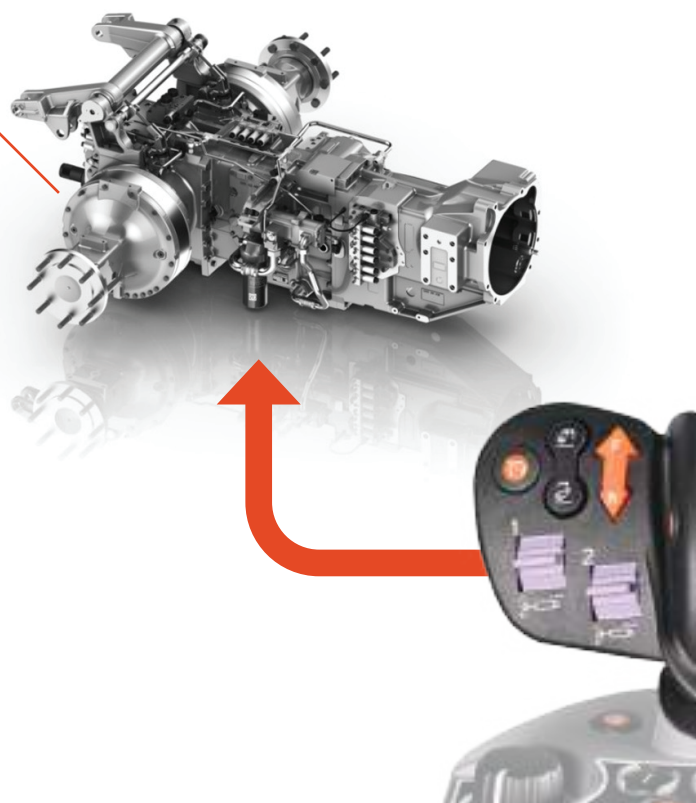
The Powershift will automatically shift depending on the loading, allowing the tractor to work at the optimum speed and engine performance.

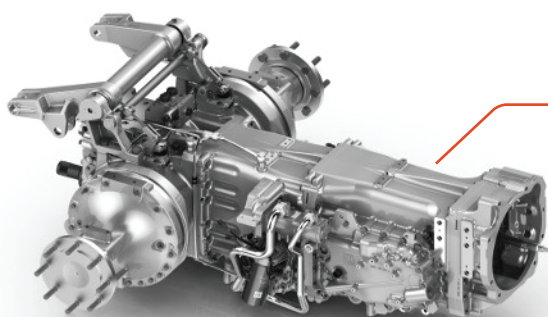
### Pre-selection of start-off range

The driver can customise the starting range allowing the machine to start in a suitable gear and build up to the working speed quickly and easily.

### Xpress Restart

Automatic de-clutch when pressing the brake pedals. Releasing the brakes enable drive take-up. Ideal when needing to pause drive during an operation.





## KUBOTA KVT

### **Infinitely variable speed**

There is no compromise. Simply set the required working speed and let the tractor do the rest.

### **Cruise Control**

This will maintain the required speed and allow the tractor to work at the most economical setting.

### **Active Stop Control**

The driver can stop at a road junction safe in the knowledge that the tractor is not going to roll back. Pulling away will automatically release the active stop control. Safety for the driver and other road users is paramount.

### **Transmission ratio lock**

Prevents overspeed when travelling downhill. In addition to the obvious safety aspect, the ratio lock reduces loading of the transmission and wear of brake discs.

### **Engine Droop**

Adjustable to ensure higher productivity when performance is needed and increased operating economy when working with lighter loads.

## #Hydraulics

# Maximize your productivity

**The Kubota M7004 Series delivers reliable hydraulic performance for any implement size:**

**Closed-Centre Hydraulics**

Premium and KVT models offer a variable flow pump (up to 110 l/min), up to 6 electronic valves, and an optional Power Beyond connection for high-flow implements. Standard, Premium, and KVT models come with a 110 l/min variable pump as standard. Standard models feature up to 4 mechanical valves, while Premium and KVT models offer up to 6 electro-hydraulic valves.





#### **Electronic “Swap valve”**

The “swap valve” function is integrated in the K-Monitor 7” and K-Monitor Pro 12”. The “swap valve” allows you to relocate the valves and assign them to different controls

#### **Best in class lift capacity**

The Kubota M7004 offers a top rear lift capacity of 9,400 kg and a front hitch capacity of 3,500 kg, easily managing heavy agricultural implements and enhancing versatility

#### **4-speed PTO**

The tractor offers four PTO speeds (540, 540E, 1,000, 1,000E) for efficient operation of various implements, with an optional front PTO shaft at 1,000 rpm.

#### **Auto PTO**

Automatic PTO engagement and disengagement during headland turns reduces repetitive tasks and driver fatigue.

#### **Stationary PTO**

Operators can run the rear PTO from both inside or outside the cab. This feature is great for your busy operator using grain augers, feed mixers and more.

## #Operation

# Sit, relax... and perform!



Comfortable operation is paramount when working long days. The control layout is vital in terms of: Ease of operation, functionality, visibility and accessibility. Key to this is the **Multi-function** lever which combines all important operating functions.

### Control positioning

The controls are logically positioned to allow the operator to engage / adjust and control the tractor with very little movement of the hand.

### Colour-coded mechanical valves

The mechanical valve operational levers are now colour-coded to match the rear valves. Avoids confusion when coupling up.



### Ergonomically designed

The right-hand console is not only designed for maximum comfort, but also allows the operator to see down the right-hand side of the tractor and does not compromise visibility.

### Multi-function lever

The shape of the lever allows your hand to wrap around it in a comfortable working position. Controls within the lever are logical and easy to operate.

### Work in comfort

All the general controls you need on a regular basis are located within the armrest console, meaning you can engage / disengage various controls without having to lift your arm. This means even more comfort and productivity for you.



#### **Excellent manoeuvrability**

Despite its respectable wheelbase of 2.72m, the M7004 is extremely manoeuvrable and agile thanks to its tight steering angle of 55°.

#### **Balanced machine**

The weight and size of the M7004 is ideal for the horsepower range that these machines work in.

#### **Multispeed steering control**

The ability to change the number of turns of the steering wheel lock to lock enables fast, responsive operation when required.



#### **APB (Assisted Parking Brake)**

Safety assured at the push of a switch. This is fitted as standard on KVT and optional on Powershift models.

#### **Electro-hydraulic activation of the automatic differential locks**

The automatic differential locks on the front and rear axles of the M7004 are electro-hydraulically engaged to enhance the traction, even when ground conditions are poor.

## #Kubota Farm Solutions

# Investing for the future



With Kubota Farm Solutions, your investment in the M7004 enters a virtuous cycle that provides a comprehensive 360° package, ensuring 100% success.

### Performance

As Kubota's flagship tractor range, the M7004 offers superior lifting capacity, exceptional comfort, and user-friendly controls. Equipped with advanced technology, such as the Precision Farming package, the M7004 enhances productivity, profitability, and sustainability through the intelligent use of technology and data.

### Control

**KUBOTA CONNECT** provides a simple telemetry solution for remote monitoring of machine data via Kubota's dashboard. With real-time access to maintenance alerts, geolocation, and running hours, it helps farmers, contractors, and fleet customers minimize downtime and maximize uptime through proactive dealer support and timely maintenance.

**Kubota FarmCentre** is an all-in-one platform that offers real-time monitoring and communication with ISOBUS machines, featuring 4G connectivity even in remote areas. It allows for efficient task management, sends alerts, and provides detailed reporting for informed decision-making. Available with K-Monitor and K-Monitor Pro tractors, Kubota FarmCentre is user-friendly and versatile, designed for all types of farmers, and includes two years of free connectivity.

### Optimisation

Every M7004 tractor is ISOBUS-certified, supporting efficient resource use. Precision farming features like auto-steer and TIM technology transform the M7004 into an ideal solution for productive and economical farming.

### Value Protection

Kubota tractors are known for their reliable quality and performance. Protect your investment with a maintenance contract and benefit from a 2-year manufacturer's warranty, extendable to 5 years with Kubota Care.

### Finance Management

The M7004 is a high-value machine, combining advanced performance and technology. With Kubota Finance, you can invest in equipment that significantly contributes to the success of your business.



# #Technical Data

Model		M7-134	M7-154	M7-174
<b>Engine</b>		V6108 TIEF5		
<b>Number of cylinders / valves / aspiration</b>		4 / 4v / turbo charged and intercooler		
<b>Engine power output (ECE-R120)</b>	hp/kW	130 (95)	150 (110)	170 (125)
<b>Max. power incl. Powerboost</b>	hp/kW	150 (110)	170 (125)	175 (130)
<b>Displacement</b>	cm³	6,124		
<b>Nominal Power</b>	rpm	1,900		
<b>Max. torque</b>	Nm	600	689	711
<b>Max. rpm torque</b>		1,500		
<b>Alternator / battery</b>		150 A/170 Ah (20 HR)/1,000 CCA		
<b>Fuel / Ad blue tank capacity</b>	l	338/38		

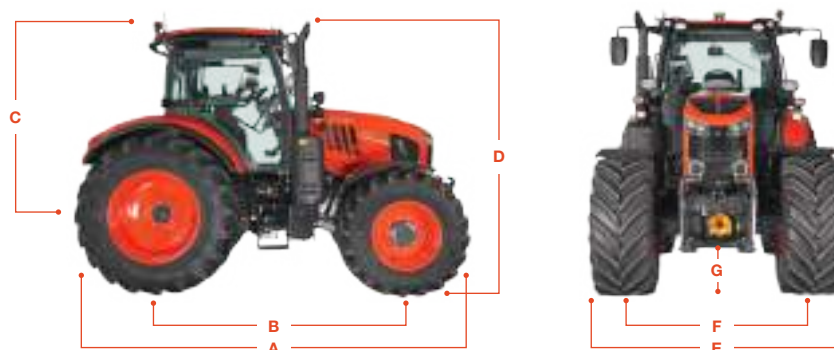
Variants		Standard	Premium	Premium-KVT
<b>Transmission</b>				
<b>Number of speeds</b>		F30/R15; Option creeper F54/R27; function Xpress restart		KVT
<b>Top speed</b>	km/h	40/50		
<b>Minimum speed at 2000 RPM</b>	km/h	2.87 (creeper 0.45)		0.05
<b>Main shift group</b>		6 Powershift speeds		KVT
<b>Range Group</b>		5-way synchronised		KVT
<b>Shuttle shift</b>		electro-hydraulic auto modulation		
<b>Main clutch</b>		hydraulic wet clutch		

Hydraulic system				
System			load-sensing with variable-displacement pump	
Pump capacity		l/min	110	
Control system			EHR/lower link sensor	
Category			III	
Rear linkage capacity		kg	9,400	
Front linkage capacity		kg	3,500	
Hydraulic valve type			mechanical	electro-hydraulic
Number of control valves			3 (option 4)	4 (option 6), swap valve function integrated
Rear PTO shaft speed		rpm	540/540E/1,000/1,000E	
rear	front		1,000	

<b>Tyres size</b>		
<b>Front</b>		540/65R28
<b>Rear</b>		650/65R38

<b>Dimensions &amp; weight</b>		
<b>A Overall length</b>	mm	4,768
<b>B Wheelbase</b>	mm	2,720
<b>C Cab height (from centre of rear axle to cab roof)</b>	mm	2,224
<b>D Overall height</b>	mm	3,030
<b>E Overall width</b>	mm	2,500
<b>F Track width</b>	mm	1,900
<b>G Ground clearance (min./max.)</b>	mm	437/516
<b>Shipping weight</b>		6,600 – 7,350

\* Standard tyres size: 540/65R28, 650/65R38





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