

# The new STIHL MS 661 C-M



The STIHL MS 661 C-M chain saw with M-Tronic is equipped with cutting-edge technologies for the best possible performance. It effortlessly combines a powerful output with superb handling and precision – not to mention low fuel consumption, low vibrations and a low power-to-weight ratio (for its displacement class). So it's not surprising that the STIHL MS 661 C-M is the professionals' choice – and the official chain saw of the STIHL® TIMBERSPORTS® Series.



### Professional accessories:

- **Professional lubricants:** special lubricants and fuels that are perfectly matched to the needs of your machine.
- **Professional tools:** comprehensive range of tools and accessories.
- **Professional protective clothing:** a wide variety of effective and comfortable protective clothing, all made according to STIHL's strict quality standards.

If you have any questions about STIHL products or accessories, your local STIHL dealer will be happy to help you.



## The new maximum

STIHL MS 661 C-M  
chain saw

NEW



With fully electronic  
engine management





## The new STIHL MS 661 C-M

The STIHL MS 661 C-M chain saw is equipped with cutting-edge technologies for the best possible performance. Weighing in at just 7.4 kg and with an impressive output of 5.4 kW, it boasts a low power-to-weight ratio and is the lightest chain saw in its engine displacement class. Because it's not just power that counts when you're harvesting large timber, but also every gram of weight. The extra powerful and efficient 2-MIX engine allows you to work effectively, thanks to its high cutting performance and low emissions. The STIHL MS 661 C-M also features M-Tronic fully electronic engine management, which uses a microchip to control the engine's ignition timing and fuel supply, taking into account variables such as temperature, fuel quality and elevation. So you no longer need to manually adjust the carburettor and can count on the best possible engine performance at all times. That makes work easier, even for the most skilled professionals.



**Take it to the max, with minimum effort.**



# Benefits

## Powerful performance

### 1 STIHL 2-MIX engine

Green machine: the efficient STIHL 2-MIX engine with 1-in-4 channel technology delivers high torque over a wide rpm range. At the same time, the STIHL MS 661 C-M consumes up to 20%\* less fuel and emits as much as 50%\* fewer emissions.

\*Compared to STIHL 2-stroke engines of the same performance class without 2-MIX technology

### 2 STIHL M-Tronic

The M-Tronic fully automatic engine control makes work easier, even for the pros. A microchip controls the engine's ignition timing and fuel supply, taking into account variables such as temperature, fuel quality and elevation. So you no longer need to manually adjust the carburettor, the chain saw consumes less fuel and you can count on the best possible engine performance at all times.

## Great handling

### 3 Low power-to-weight ratio

Light years ahead: the STIHL MS 661 C-M is the lightest professionalgrade chain saw in its displacement class. Special components significantly reduce the weight, such as the stainless steel muffler and the Rollomatic ES guide bars.

### 4 Combi-lever with a stop button function

M-Tronic automatically distinguishes between a cold or warm start, so there is only one start position on the combi-lever. The exact amount of fuel needed for each kind of start-up is provided automatically. So you can power up to full speed straight away, even after a cold start. After the saw is turned off, the control lever immediately moves back into the operating position.

### 5 New STIHL anti-vibration system

Steady as she goes: we've developed an innovative new anti-vibration system for an even more steady and precise cut. It significantly reduces the vibrations felt by the user.

### 6 Double bumper spikes

Above average: double bumper spikes ensure great cutting precision during bucking and felling jobs. For better directional control during plunge cutting jobs, raised lines that act as plunge guides have been integrated into the crankshaft design.

## Precise cutting-edge technology

### 7 STIHL Ematic with new oil pump system

The new oil pump system enables the oil flow to be increased, which is particularly advantageous when working in dusty conditions or when using longer guide bars.

### 8 New HD2 filter with radial seal

The new HD2 air filter made of PET material with a radial seal prevents fine dust from entering the chain saw. The hermetic seal increases the engine's service life and reduces wear.



**5.4 kW will bring any tree to its knees.**



Model options

Standard model equipment

STIHL MS 661 C-M



- STIHL 2-MIX engine with 1-in-4 channel technology
  - STIHL M-Tronic
  - Low power-to-weight ratio
  - STIHL anti-vibration system
- Double bumper spikes
  - STIHL Ematic with new oil pump system
  - HD2 filter with radial seal

Model with additional features

STIHL MS 661 C-M W

The STIHL MS 661 C-M is also available with heated handles. This feature heats the front and rear handles for additional comfort and safety in cold weather.

	MS 661 C-M	MS 661 C-M W
Displacement (cm³)	91.1	91.1
Power output (kW/hp)	5.4/7.3	5.4/7.3
Weight (kg)*	7.4	7.5
Power-to-weight ratio (kg/kW)	1.37	1.39
Sound pressure level** (dB (A))	105	105
Sound power level** (dB (A))	118	118
Vibration level left/ right*** (m/s²)	5.5/5.5	5.5/5.5
Saw chain pitch type	3/8" RSⓈ	3/8" RSⓈ
Rollomatic bars (bar length, cm)****	50 63 71	50 63 71
Volume fuel tank /oil tank (cm³)	850/400	850/400
STIHL 2-MIX engine	●	●
STIHL M-Tronic	●	●
Combi-lever with a stop button function	●	●
STIHL anti-vibration system	●	●
Lightweight guide bar	○	○
Controlled-delivery oil pump	●	●
Side-mounted chain tensioning	●	●
Captive nuts (sprocket cover)	●	●
STIHL ElastoStart	●	●
HD2 filter	●	●
Toolless fuel cap	●	●
Electrically heated handles (W)	—	●

\* Without fuel, guide bar or saw chain

\*\* K factor according to Dir. 2006/42/EG = 2.5 (dB (A))

\*\*\* K factor according to Dir. 2006/42/EG = 2 m/s²

\*\*\*\* In practice, the actual bar length available for cutting may be less than the stated bar length.

● Standard

○ Retrofittable

Ⓢ RS: Rapid Super



For a smooth, steady cut that's ahead of the rest.