

**STIHL**®



**Raw power. Smart design.**

Chain saw  
STIHL MS 362 C-M  
with M-Tronic



With fully electronic  
engine management



STIHL  
M-Tronic

# The new STIHL MS 362 C-M



Raw power, smart design – made by STIHL. More power, lighter weight and the M-Tronic fully electronic engine management. The new STIHL MS 362 C-M chain saw offers professionals outstanding performance right from the word go. No matter if you're just starting work, are already on the job or are restarting the chain saw after a break, M-Tronic precisely and electronically regulates the ignition timing in all operating modes and also meters the fuel supply. It even takes into account external conditions such as temperature, elevation and fuel quality. So you can fully concentrate on the job and always deliver peak performance right from the word go – whether you're felling, trimming branches or bucking. The new long-life air filter system with air routing and HD2 round filter enables a long filter life. The filter reliably protects the engine from fine particles and is easy to clean. With so much hassle taken off your hands, you can focus entirely on what's important: your work.



**Everyone's favourite saw is now more powerful, lighter and comes with smart technologies.**



## The advantages of M-Tronic



**Cold start. Warm start. Perfect start.**



## **All systems go for perfect performance**

With the MS 362 C-M, you get a professional-grade chain saw with standard built-in “intelligence” thanks to innovative M-Tronic technology. M-Tronic’s advantages are clear as day: optimal engine performance at all times, constant maximum engine speed and excellent acceleration for peak performance in every way. The only thing you have to do is fuel up, start the engine – and get started.

### **An easy start**

Thanks to electronic cold/warm start recognition, now there is only one start position on the combi-lever. M-Tronic electronically calculates the exact amount of fuel needed. You can start it up with a few pulls of the cord and without switching the lever, and can immediately accelerate up to speed – to get the job done quickly and with minimal effort.

### **No manual carburettor adjustment necessary**

M-Tronic electronically adjusts the amount of fuel in the carburettor. It’s ideal for all operating modes: starting, idling, partial and full-load operation, and always takes external conditions into account. All of which saves effort and time.

### **Optimal engine performance at all times**

Taking engine temperature and engine speed into consideration, the control unit continuously monitors your chain saw’s operating status and meters fuel accordingly – so you can always rely on superb engine performance.

### **Excellent acceleration**

With the MS 362 C-M, electronic ignition timing management and fuel metering ensure fast and responsive acceleration – even after a cold start.

### **Memory function**

M-Tronic remembers your previous settings for an unlimited period of time and restores them when you restart the chain saw. So when external conditions are the same, full engine performance is at your disposal immediately at every start.

# M-Tronic technology

## Built in peak performance

M-Tronic's fully electronic engine management makes the STIHL MS 362 the perfect partner for professionals. Its innovative technology ensures optimal engine performance at all times. Its centrepiece is a control unit with a microprocessor, electronic temperature gauge and ignition module. The microprocessor is the M-Tronic's "brain." It gathers all relevant information about the machine's condition. The result: Precise electronic metering of the fuel – adjusted to operating mode and external conditions – means you always benefit from optimal engine performance. M-Tronic also saves you time and effort, because manual carburettor adjustment is no longer necessary.

### 1 Combi-lever with stop button function

Thanks to the M-Tronic's ability to electronically distinguish between a cold or warm start, 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. You don't have to worry about what operational mode your chain saw is in – you can power up to full speed straight away, even after a cold start. After you turn the machine off, the control lever automatically reverts to ready-to-operate position. That way, the warm machine can be restarted immediately.

### 2 Control unit

As the nerve centre of the M-Tronic, the control unit consists of a microprocessor with rev counter and temperature gauge. By taking external temperature, elevation and fuel quality into account, it calculates the optimal amount of fuel. The integrated memory function even remembers your previous settings, so when external conditions are the same, full engine performance is immediately at your disposal after every start.

### 3 Micro-switch

The micro-switch registers the position of the choke and, together with the electronic temperature measurement, ensures excellent starting performance.

### 4 The solenoid valve

The electronic solenoid valve introduces the optimal amount of fuel calculated by the control unit into the engine within milliseconds. Manual carburettor regulation via adjustment screws is a thing of the past.

### 5 Fan propeller

Two pole pieces are built into the fan propeller, providing the control unit with energy. When the chain saw is started, the fan propeller cools the engine, and provides an independent energy source for M-Tronic technology.





**4** Solenoid valve

**3** Micro-switch

**1** Combi-lever with a stop button function

**2** Control unit

**5** Fan propeller

**All that power and brains too!**

# Benefits

## Endurance and power

### 1 Long-life air filter system with air routing and HD2 round filter **NEW**

More durable, less permeable. The MS 362 C-M chain saw offers outstandingly long filter life. Coarse dirt particles are removed by the air routing, lightening the load on the actual filter. The filter is made of polyethylene and its pores are up to 70% finer than conventional filters. That means it can stop even the most minute particles of dust. It can be attached and detached without tools for easy cleaning. For stubborn grime, a thorough wash with STIHL special cleaner or warm soapy water will cleanse the filter.

### STIHL 2-MIX engine

Full power, half the emissions: The efficient STIHL 2-MIX engine combines a cylinder with four-channel technology and a stratified charge system. That optimizes fuel utilization and allows for high torque over a wide rpm range – with up to 50 % lower exhaust emissions and fuel consumption that's up to 20 % lower compared to STIHL two-stroke engines of the same performance class without 2-MIX technology.

## Simple and efficient

### STIHL ElastoStart and decompression valve

Complementary technologies, for a better start: In conjunction with ElastoStart, the decompression valve reduces the tractive force on the starter cord, making it easier to start the engine. This is due to the fact that the decompression valve reduces the compression when the tool is started.

### Professional anti-vibration system

Smooth performance: The anti-vibration system reduces vibrations and oscillations with a system of buffers, as well as special springs between the engine block and the handles – for less tiring, more precise operation.

### Quick locks

The cover can be quickly and easily removed by opening three quick locks. That way you can clean and service the air filter, spark plugs and cylinder fins.

### Captive nuts **NEW**

It's impossible to lose the sprocket cover nuts when you're swapping cutting attachments, as they are attached to the sprocket cover itself.





**1** Long-life air filter system with air routing and HD2 round filter

**Tough casing, smart core.**

# Model options

## Standard model equipment

### STIHL MS 362 C-M



- STIHL M-Tronic
- Long-life air filter system and HD2 round filter
- STIHL 2-MIX engine
- Professional anti-vibration system
- Secured nuts on the sprocket cover
- The STIHL Ematic chain lubrication system
- STIHL ElastoStart and decompression valve
- Tool-less fuel cap
- Quick locks
- Side-mounted chain tensioning

## Models with additional features

### STIHL MS 362 C-MQ

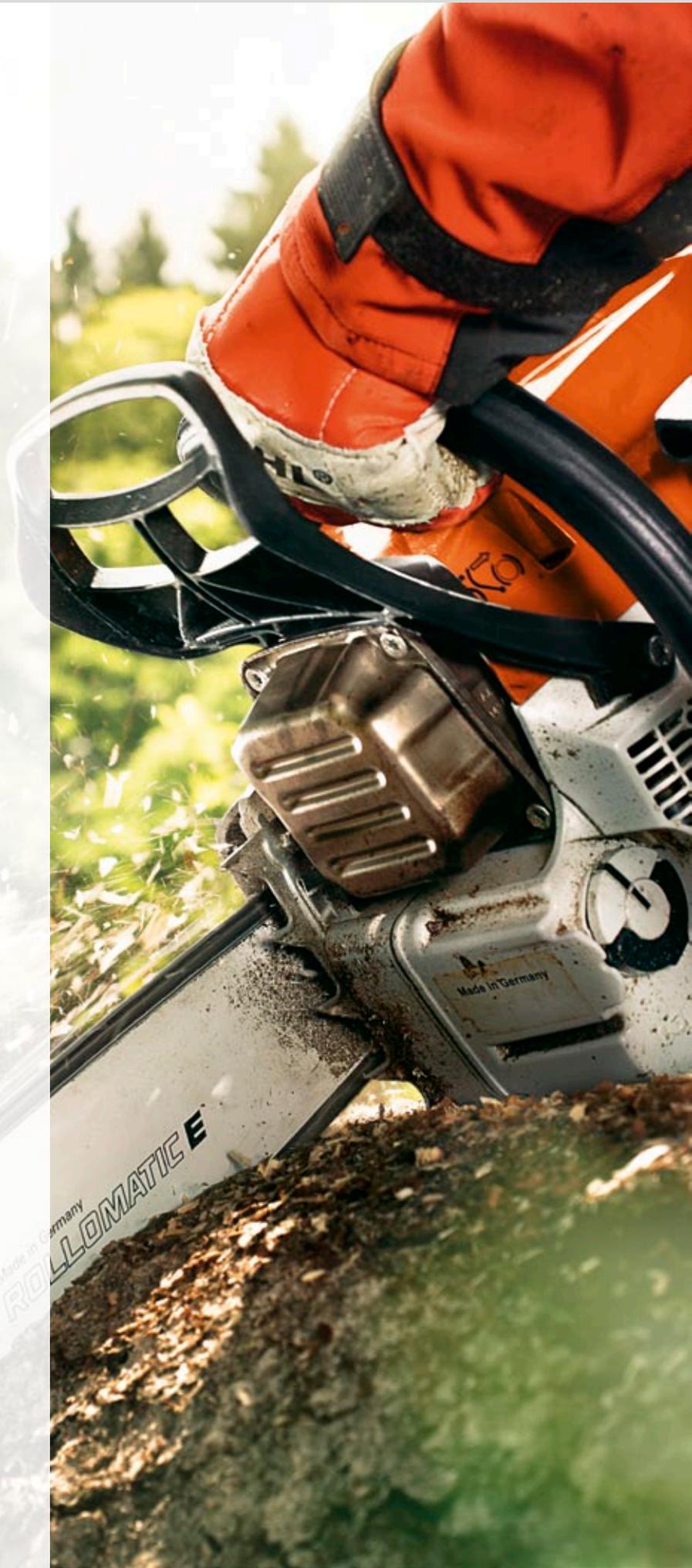


The QuickStop Super chain brake (Q) provides even more security. The saw chain stops in a matter of seconds, as soon as you've activated the front hand guard, let go of the rear handle or whenever there is a sufficiently strong kickback.

### STIHL MS 362 C-M VW



The electrically heated hand grip and carburettor (VW) makes your work more comfortable in the winter. The carburettor heating keeps the carburettor ready for use even in the cold, and prevents it from icing up in wintry conditions. The electric hand grip heating with on/off switch improves safety.



# The MS 362 – set up for any job.



	MS 362 C-M	MS 362 C-MQ	MS 362 C-M VW
Displacement (cm <sup>3</sup> )	59.0	59.0	59.0
Power output (kW/hp)	<b>3.5/4.8</b>	<b>3.5/4.8</b>	<b>3.5/4.8</b>
Weight (kg)*	5.8	5.9	6.0
Power-to-weight ratio (kg/kW)	1.66	1.69	1.71
Sound pressure level** (dB (A))	105	105	105
Sound power level** (dB (A))	115	115	115
Vibration level*** left/right (m/s <sup>2</sup> )	3.5/3.5	3.5/3.5	3.5/3.5
Oilomatic saw chain pitch/type	3/8" RS <sup>Ⓞ</sup>	3/8" RS <sup>Ⓞ</sup>	3/8" RS <sup>Ⓞ</sup>
Rollomatic bars (bar length, cm)****	37/40	37/40	37/40
Controlled-delivery oil pump	●	●	●
Side-mounted chain tensioning	●	●	●
QuickStop Super chain brake (Q)	–	●	–
Decompression valve	●	●	●
STIHL ElastoStart	●	●	●
Compensator	●	●	●
Long-life air filter system	●	●	●
HD2 round filter	●	●	●
Anti-vibration system	●	●	●
Tool-less fuel cap	●	●	●
STIHL Ematic chain lubrication system	●	●	●
Electric handgrip heating (W)	–	–	●
Electric carburettor heating (V)	–	–	●
STIHL 2-MIX engine	●	●	●
STIHL M-Tronic	●	●	●

\* Without fuel, guide bar or saw chain

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

\*\*\* K factor according to Dir. 2006/42/EC = 2 m/s<sup>2</sup>

\*\*\*\* Depending on the type of chain saw, the stated bar length may not equal the actual bar length.

● Standard

Ⓞ RS: Rapid Super

# The new STIHL MS 362 C-M with M-Tronic

## All you need, so you can give it your all.

- **Always just perfect:** M-Tronic's fully electronic engine control recognizes a cold and a warm start, and adjusts the ignition timing in all operating modes. It also precisely and electronically meters the fuel supply. It even takes into account external conditions such as temperature, elevation and fuel quality.
- **Less weight and more power:** Innovative technical solutions and the use of modern materials make the new STIHL MS 362 C-M more powerful and lighter.
- **More durable, less permeable:** The long-life air filter system removes coarse dirt particles via air routing, lightening the load on the actual filter. The filter is made of polyethylene and its pores are up to 70% finer than conventional filters. That means it can stop even the most minute particles of dust. For simple cleaning, it's also oil and water-resistant, and can be attached and detached without tools.

Do you have questions about STIHL products or accessories? Your local STIHL dealer will be happy to help and advise. For more information visit [www.stihl.com](http://www.stihl.com)

## Original STIHL saw chains: Superior quality for peak performance.

- **Quality STIHL development:** STIHL is the only chain saw manufacturer in the world that also develops its own saw chains and guide bars. This means that the three components are guaranteed to match each other perfectly.
- **Quality STIHL production:** All of our saw chains are manufactured with Swiss precision in our STIHL factory in Wil, Switzerland. They are made using special machines that have also been developed and manufactured by STIHL.
- **Superior cutting performance:** STIHL saw chains not only deliver outstanding cutting performance on STIHL chain saws, but are also excellent on chain saws from other manufacturers.



For further information and advice:

[www.stihl.com](http://www.stihl.com)