

STIHL®



All-rounders for any job

STIHL chain saws
MS 170, MS 171, MS 180,
MS 181, MS 211



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The strong, compact STIHL chain saws MS 170, MS 171, MS 180, MS 181 and MS 211 stand out thanks to their outstanding features, along with great performance and environmentally friendly engine technology. That makes them the perfect equipment for anyone looking for tools that are highly comfortable to use, with excellent handling. They are perfectly suited for all wood-related work around the house and yard, as well as for sawing firewood. Pros can put them to work in forestry and gardening, timber stand and landscape maintenance, as well as for felling small trees. The STIHL MS 170, MS 171, MS 180 and MS 181 models also come equipped with the low-vibration PMM3 saw chain as standard and the STIHL MS 211 with the low-kickback PM3 saw chain.



**Small, easy to
handle and with great
performance.**



The benefits of the STIHL MS 170 and MS 180



A powerhouse – times two.



When pure performance is what counts

From occasional users to pros who depend on reliable equipment daily – with their ingenious features, the MS 170 and MS 180 chain saws win everyone over.

■ Full power, half the emissions – STIHL 2-MIX engines

The low fuel consumption STIHL 2-MIX engine combines a cylinder with efficient four-channel technology and a stratified charge system. The result: fuel is consumed at an optimal rate and the engine produces high torque over a wide rpm range – with up to 50 % less 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.

■ Additional protection while working – QuickStop chain brake

By moving the front hand guard, the chain brake is manually activated and blocks the saw chain. In the event of strong kickback, the chain brake is triggered automatically. In both cases, the saw chain comes to a standstill in fractions of a second.

■ Tensioning made easy – side-mounted chain tensioning*

The saw chain can be tightened safely and effortlessly using the side-mounted chain tensioner while avoiding contact with the sharp saw chain.

■ Great handling – with the master control lever

All functions, such as start, run and stop, can be operated smoothly with just one hand.

■ Optimal cutting manoeuvrability – the STIHL anti-vibration system

Precisely calculated buffer zones minimise the transfer of engine and saw chain vibrations to the front and rear handles. As a result, the chain saw runs noticeably more smoothly.

* for MS 180

The benefits of the MS 171, MS 181 and MS 211

Make yourself comfortable

For anyone who has high expectations of their tools, the STIHL MS 171, MS 181 and MS 211 models are the right choice. Excellent features with ingenious details make working with these chain saws a breeze.

■ **Less maintenance – the long-life air filter system with air routing**

The air-filter system in the STIHL MS 171, MS 181 and MS 211 enables long service intervals. That's because the integrated air routing takes a big burden off the filter elements that follow. The flywheel causes the air sucked into the engine to spin. Larger and heavier particles are spun outwards by the centrifugal force, so they never make it to the filter itself.

■ **Toolless opening & transparent tank system**

The special caps can be easily opened without the need for tools. Once closed, the STIHL caps remain securely fastened. The fuel and oil tanks are made of a transparent material, which means that it's possible to check fluid levels at any time.

■ **Convenient topping up – with a large tank opening**

The large, easily accessible opening makes filling up the fuel tank especially easy.

■ **Tool-free maintenance – change the air filter without tools**

The large-volume air filter is very user- and maintenance-friendly: reaching the filter is as easy as sliding back a bar and removing the cover.

■ **Fast-mounting cutting attachments and sprocket – just one shoulder screw**

Instead of the typical two shoulder screws, the sprocket cover is fastened with just one shoulder screw. That makes the cutting attachments and the sprocket cover extremely easy to put in place and fasten.

■ **Even less vibration – the STIHL anti-vibration system with special springs**

The anti-vibration system with special springs reduces vibrations in the handles of the STIHL MS 171, MS 181 and MS 211, which enables optimal cutting precision and control. This means you can work longer, with greater precision and comfort.



**Perfection to
the power of 3.**



Low-vibration saw chains – always a cut above

The saw chain is an essential component, determining the quality of a chain saw. That's why all five chain saws come equipped with a low-kickback, low-vibration saw chain as standard: while the STIHL MS 170, MS 171, MS 180 and MS 181 feature the hard-wearing $\frac{3}{8}$ " Picco Micro Mini 3 (PMM3) saw chain, the STIHL MS 211 makes use of the time-tested Picco Micro 3 (PM3). Both saw chains offer a high cutting performance with little kickback and a very low level of vibration. This reduced vibration is possible because the cutting teeth and connection elements on the back of the sliding surface move independently. When the cutter strikes wood, it gives slightly, dampening the surge force on the guide bar.



Original STIHL saw chains: superior quality for peak performance

- **Quality STIHL engineering:** Along with engines, STIHL also engineers 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 when used with STIHL chain saws, but are also excellent on chain saws from other manufacturers.





**Great performance,
without vibrations.**

Model options



Features

STIHL MS 170 / MS 180

- STIHL 2-MIX engine
- STIHL filter system
- QuickStop chain brake
- side-mounted chain tensioning (for MS 180)
- master control lever
- low-vibration, low-kickback saw chain

Additional features

STIHL MS 171 / MS 181 / MS 211

- long-life air filter system with air routing
- transparent tank system
- large tank opening
- air filter can be changed without tools
- just one shoulder screw on the sprocket cover
- STIHL anti-vibration system with special springs

	MS 170	MS 171	MS 180	MS 181	MS 181 C-BE	MS 211	MS 211 C-BE
Displacement (cm³)	30.1	31.8	31.8	31.8	31.8	35.2	35.2
Power output (kW/hp)	1.2/1.6	1.3/1.8	1.4/1.9	1.5/2.0	1.5/2.0	1.7/2.3	1.7/2.3
Weight (kg)*	4.1	4.3	4.1	4.3	4.6	4.3	4.6
Power-to-weight ratio (kg/kW)	3.4	3.3	3.0	2.9	3.1	2.5	2.7
Sound pressure level** (dB(A))	100.0	99.0	100.0	100.0	100.0	100.0	100.0
Sound power level** (dB(A))	111.0	112.0	112.0	112.0	112.0	113.0	113.0
Vibration level left/right*** (m/s²)	5.2/5.5	4.0/4.5	6.6/7.8	3.5/3.0	3.5/3.0	3.5/3.5	3.5/3.5
STIHL Oilomatic saw chain Pitch Type	3/8" P PMM3 ^①	3/8" P PMM3 ^①	3/8" P PMM3 ^①	3/8" P PMM3 ^①	3/8" P PMM3 ^①	3/8" P PM3 ^②	3/8" P PM3 ^②
Rollomatic bars/ (bar length. cm)	Rollmatic Mini 30	Rollmatic Mini 30	Rollmatic Mini 30	Rollmatic Mini 30	Rollmatic Mini 30	Rollmatic E 30	Rollmatic E 30
Volume fuel tank / oil tank (cm³)	250/145	270/265	250/145	270/265	270/265	270/265	270/265
STIHL 2-MIX engine	●	●	●	●	●	●	●
Long-life air filter system	—	●	—	●	●	●	●
Anti-vibration system	●	●	●	●	●	●	●
Side-mounted chain tensioning	—	●	●	●	—	●	—
Quick Chain Tensioning (B)	—	—	—	—	●	—	●
STIHL ErgoStart (E)	—	—	—	—	●	—	●
Manual fuel pump	—	—	—	—	●	—	●

* Excluding fuel, guide bar and saw chain
** K factor according to Dir. 2006/42/EC = 2.5 dB(A)
*** K factor according to Dir. 2006/42/EC = 2 m/s²

● Standard
① PMM3: Picco Micro Mini 3
② PM3: Picco Micro 3



Quality STIHL accessories

STIHL chain saws make things easy for you. Our accessories make things even easier.

- **Oils and lubricants:** STIHL chain saws run extremely smoothly. And to make sure they stay that way, STIHL has developed special lubricants and fuels that are perfectly matched to the needs of your machine.
- **Tools and accessories:** a good set of tools is half the work. STIHL's comprehensive range of tools and accessories has everything a professional arborist needs.
- **Protective clothing:** when it comes to chainsaws, it's better to be safe than sorry. That's why STIHL also offers a variety of effective and comfortable protective clothing, all made according to STIHL's strict quality standards.

Do you have questions about STIHL products or accessories? Your STIHL dealer will be happy to help and advise you.