



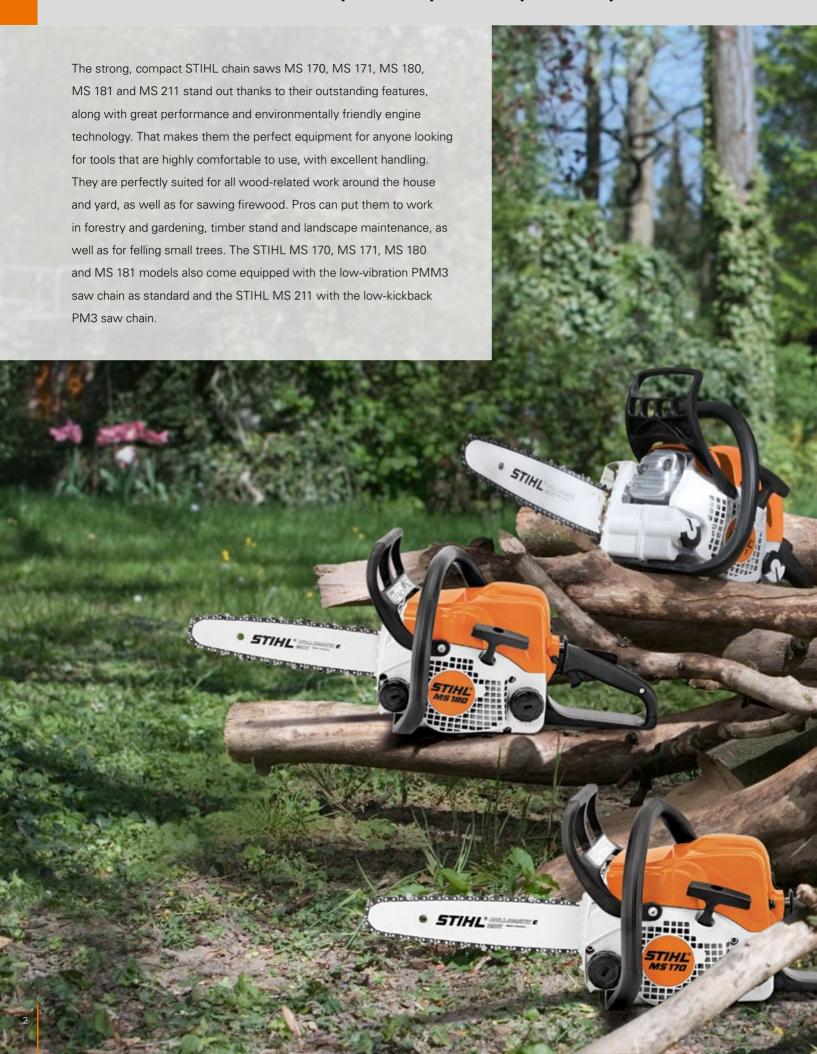


## **All-rounders for any job**

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



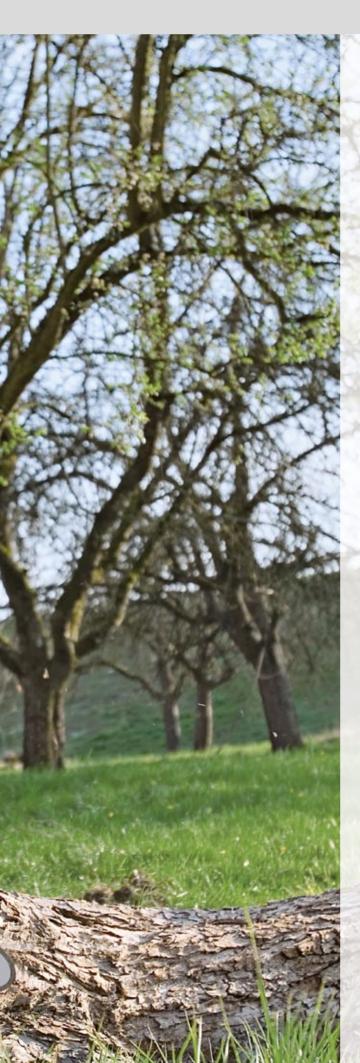
#### STIHL chain saws MS 170, MS 171, MS 180, MS 181, MS 211





The benefits of the STIHL MS 170 and MS 180





# 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.

#### 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
- 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.





#### Low-vibration saw chains – always a cut above





### **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
- 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 ( <b>kW</b> /hp)	<b>1.2</b> /1.6	<b>1.3</b> /1.8	<b>1.4</b> /1.9	<b>1.5</b> /2.0	<b>1.5</b> /2.0	<b>1.7</b> /2.3	<b>1.7</b> /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	<sup>3</sup> / <sub>8</sub> " P PMM3 <sup>①</sup>	<sup>3</sup> / <sub>8</sub> " P PM3 <sup>©</sup>	<sup>3</sup> / <sub>8</sub> " P PM3 <sup>©</sup>				
Rollomatic bars/ (bar length. cm)	Rollmatic Mini <b>30</b>	Rollmatic E <b>30</b>	Rollmatic E <b>30</b>				
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	-	-	-	-	•	-	•

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



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/s<sup>2</sup>



#### **Quality STIHL accessories**

