



MS 180 1.4 kW petrol chainsaw with 2-MIX engine technology



GENERAL

Compact chainsaw for cutting firewood and property maintenance. The economical 2-MIX engine supplies the saw with plenty of power, whilst remaining light and well balanced. Easy access to side chain tensioner offers a simple approach to basic maintenance.

TECHNICAL DATA

Displacement cm ³	31.8
Power output kW/bhp	1.4/1.9
Power-to-weight ratio kg/kW	3
Weight kg 1)	4.1
Sound pressure level dB(A) 2)	100
Sound power level dB(A) 2)	112
Vibration values left/right m/s ² 3)	6.6/7.8
Oil tank volume cm ³	145
Tank volume l	0.25

1) Without fuel, without bar and chain

2) K-factor according to DIR 2006/42/EC = 2.5 dB (A)

3) K-factor according to DIR 2006/42/EC = 2m / s²

FEATURES

STIHL 2-MIX-Engine

1-in-4 channel technology. The economical STIHL 2-MIX engine with 1-in-4channel technology features a high torque over a wide speed range. The chainsaw provides fuel savings of up to 20% compared to STIHL two-stroke engines in the same performance class without 2-MIX technology. Exhaust emissions are reduced by up to 50%.

Advanced combustion technology

Four overflow channels swirl the fuel-air mix before ignition, allowing for optimum combustion and highly efficient performance. The result is lower fuel consumption and high torque across a broad rpm range.

Anti-vibration system

Intense vibration at the handles of power tools can lead to long-term effects on blood vessels in the hands and arms. STIHL has therefore developed an effective anti-vibration system whereby the oscillations from the machine's engine are dampened which significantly reduces vibrations at the handles.

Compensator

This controller in the carburettor prevents the fuel-air mixture getting richer as the air filter becomes clogged. The correct quantity of fuel is delivered to the carburettor depending on the quantity of air passing through the air filter. This keeps the fuel/air ratio in the combustion mixture constant and hence also the engine power. The filter doesn't need to be cleaned until an appreciable drop in power occurs.

Single-lever master control

All important functions such as start, choke, throttle and stop are operated via a single lever.

Side chain tensioner

The tensioning screw can be found on the side of the chain saw through the sprocket cover. This removes the need for contact with the sharp saw chain.

Ematic chain lubrication system

The Ematic chain lubrication system ensures pinpoint lubrication of the saw chain links and guide bar rails. When used with STIHL OILOMATIC saw chain, it will provide maximum lubrication, longer wear and less oil consumption than conventional methods of chain lubrication. The Ematic system can reduce bar oil consumption by up to 50%.