



Startup page > Products > STIHL power tools - A great range > Cut off machines and concrete cutters > Cut off machines > **TS 420**

TS 420

Compact and robust 3.2-kW cut-off saw (350mm cutting wheel)



Compact and robust, the STIHL TS 420. Long-life filter system with cyclone pre-separation makes on site maintenance unnecessary. Extremely low vibration levels (3.9m/s^2). High performance engine with stratified charge system. Compact design and optimised balance for excellent cutting and guide characteristics. For use with 350mm cutting wheel. ElastoStart, primer pump and decompression valve. Bayonet filler cap for tool free opening. Can be hand held or used with the FW 20 cart. Supplied with abrasive cutting wheel.

Versions

TS 420

Product versions

S 410 | Compact and robust 3.2-kW cut-off saw

Technical specifications

Displacement	66,7 cm ³
Power output	3,2/4,4 kW/PS
Weight ¹⁾	9,7 kg
Sound pressure level ²⁾	98 dB(A)
Cutting wheel	350 / 14 mm/in
Sound power level ²⁾	109 dB(A)
Max. cutting depth	125 mm
Vibration level left/right ³⁾	3,9/3,9 m/s ²

Deviations from the product range and information provided here are possible, depending on the country. STIHL reserves the right to make changes to technical specifications and equipment.

Standard equipment



STIHL 2-MIX engine with stratified charge system

2-stroke engine with stratified charge. A fuel-free layer of air is created between the burned charge in the combustion chamber and the fresh charge in the crankcase, reducing the amount of fuel lost during the charge cycle. This results in more power with a lower weight, up to 20% lower fuel consumption than regular 2-stroke engines and significantly reduced exhaust emissions.



Magnesium guard

The cutting wheel guard made from die-cast magnesium is particularly light. The guard and water attachment feature a particularly ergonomic design.



Ergonomic grip position

The modern, ergonomic design allows each user to work with an optimal grip position. The loop handle facilitates excellent cutting comfort in any working position.



Pre-separation air filtration system

STIHL long-life air filtration systems with pre-separation achieve perceptibly longer filter life compared with conventional filter systems. Air drawn in is swirled. The larger, heavier particles are ejected. The pre-cleaned air is routed to the air filter via the pre-separator duct.



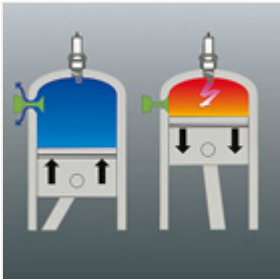
Water supply

Water is supplied to the cutting wheel through the standard water connection with sprinkler system to suppress the dust produced during cutting. It is supplied to the device in such a way so as not to interfere with your work.



Manual fuel pump (Purger)

A small fuel pump delivers fuel to the carburettor at the touch of a button. This reduces the number of starting strokes required following extended breaks in operations.



Decompression valve

The decompression valve allows some of the compression pressure in the cylinder to escape, so less force on the starter rope is needed.



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.



Semi automatic drive belt tensioning

Light, consistent re-tensioning increases the service life of the belts and shaft bearings.