

# STIHL®

## TS 410 Compact and robust 3.2-kW cut-off saw



### GENERAL

Compact and robust, the STIHL TS 410. Long-life filter system with cyclone pre-separation makes on site maintenance unnecessary. Extremely low vibration levels ( $3.9\text{m/s}^2$ ). High performance engine with stratified charge system. Compact design and optimised balance for excellent cutting and guide characteristics. For use with 300mm 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.

### TECHNICAL DATA

Displacement	66,7 cm <sup>3</sup>
Power output	3,2/4,4 kW/PS
Weight 1)	9,5 kg
Sound pressure level 2)	98 dB(A)
Cutting wheel	300 / 12 mm/in
Sound power level 2)	109 dB(A)
Max. cutting depth	100 mm
Vibration level left/right 3)	3,9/3,9 m/s <sup>2</sup>

1) Weight excluding fuel and cutting wheel

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

3) K-factor according to DIR 2006/42/EC =  $2\text{m} / \text{s}^2$

## FEATURES

### **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.