

Macarthur Mowers & Marine

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Husqvarna®



NEW
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570AT-20 Landowner CHAINSAW

One of Husqvarnas most advanced Models for demanding professional use, featuring **Auto Tune**. This feature offers optimal engine performance through an automatic engine setting, meaning you spend no time on carburetor adjustments, as it compensates for different fuels, altitude, humidity, temperature and air filtration conditions.



67.9cc * 20 inch Bar * 72 links of 21 type Chain * 3.6kw * 6.7kg w/o Bar & Chain

Air injection – Centrifugal air cleaning system for reduced wear and longer time between air filter cleaning.

Smart start decompression valve – The engine & starter have been designed so that the machine starts with 40% less effort

Combined choke/stop control – This allows for easier starting and reduces the risk of engine flooding.

X-TORQ – This engine design increases torque over a wider rpm range, providing increased cutting power and lower emissions.

E-TECH II – This represents the latest developments in low emission engine technology.

Low Vib – Highly effective anti-vibration dampeners absorb vibration.

Quick release on air filter cover and air filter – No tools required to remove air filter or cover cover.

Snap-lock cylinder cover – Saves time when changing spark plugs and cleaning.

Inertia activated chain brake – If a kickback occurs and the tip of the bar is forced upwards, the inertia of the front guard should activate the chain brake instantly.

Vibration dampened carburetor – Allows the engine to run smoother and with less need for adjustments.

Adjustable Oil Pump – Allows adjustment of bar and chain oil for various applications.

Side-Mounted Chain Tensioner – makes chain adjustment quick and easy

Global No. 1 in the manufacture of Chainsaws

Warranty–2 year Domestic Use–1 year Commercial Use

\$1,399 Includes assembly and pre-delivery.

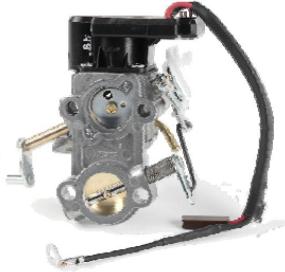
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AutoTune™ Components & Functionality

Carburettor/Valve housing



The carburettor's manual adjusting screws are replaced by a magnetic valve. The fuel-air mixture that passes through a fixed jet is automatically and constantly adjusted by the magnetic valve.

A microprocessor is integrated into the valve housing monitoring engine RPM as well as fuel-air mixture.

The digitally controlled magnetic valves opening and closing is synchronised with the RPM.

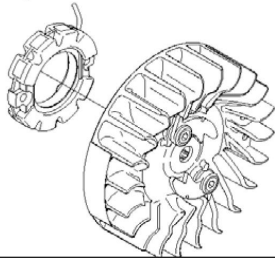
The number of RPM's that the magnetic valve is open or closed is variable, which regulates the fuel feed.

Ignition system



The unique ignition system can be recognised on grey colour and can't be used on other models.

Flywheel

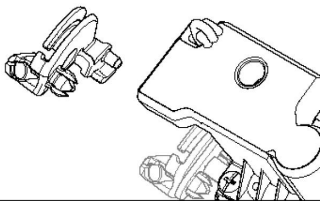


Models with AutoTune are equipped with a generator to guarantee enough currency for microprocessor and magnetic valve (similar system that is used for heated handle/carburettor).

Wiring

From ignition module to valve housing a wire is transferring the RPM signals. From generator to valve housing a wire is transferring necessary current.

Throttle indicator



On the throttle shaft an indicator is fitted to inform the microprocessor when engine is running with fully open throttle.

Functionality

The microprocessor/ magnetic valve monitor the saw from idling up to maximum RPM.

A change of fuel-air mixture is done between 7800rpm -10800 rpm only if engine is running with fully opened throttle.

The microprocessor checks engine RPM and monitors the magnetic valve.

When the saw is used for cross cutting between 7 800 – 10 800 rpm a number of longer pulses closes magnetic valve. The fuel-air mixture is drastically reduced.

The reduction of fuel-air mixture is not noticeable by the operator, but is registered by the microprocessor that will decrease/increase the number of RPM's that the magnetic valve is closed which leads to increase/decrease of fuel-air mixture.

This is how fuel-air mixture is automatically and constantly adjusted to reach maximum operating efficiency under varying conditions.