

Product Information

Language	INGLESE
Nr.	233
Date	10/2014
Subject	MT 510



our **power**, your **passion**

CHAINSAW MT 510



Mod. MT 510

The new chainsaw **MT 510** has been developed to meet a wide range of users, from individuals to farmers demanding for a wide range of work, lopping, pruning and small cutting trunks of small to medium diameter.

"Primer" and semiautomatic choke offer trouble-free starting under all conditions, whilst the one-piece handle/grip section has been separated from the engine and ensures excellent manoeuvrability. The filter cover can be opened without tools, whilst the Nylon filter is self-cleaning; the side chain tensioner makes maintenance as simple as possible.

PERFORMANCE AND ENGINEERING SOLUTIONS

- **Emak 2-stroke engine** of 49.2 cc / 2.1 kW-2.8 HP (Euro 1)

- Aluminium crankcase
- Nickel-plated cylinder
- 3 elements crankshaft forged
- connecting rod forged
- 2 caged bearing
- piston with 2 rings

constant efficiency assured over time, even in tough operating conditions (Fig. 1-2).

- **WALBRO carburetor** (Fig. 2a)

Fig. 1



Fig. 2

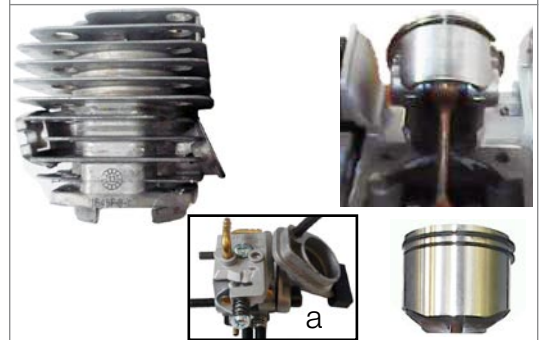


Fig. 3



Fig. 4



- **Electronic inductive start:** guarantees high level performance and extended lifetime.

- **High flywheel diameter (Ø 100 mm)**, tongues with new geometry (Fig.3) designed to guarantee smoother operation of engine and optimize engine cooling even in adverse weather conditions (high temperatures).

- **Oregon Cutting System** (bar 18 " - .325 x .058 pitch chain)
- **Clutch** with 3 centrifugal masses and 7 teeth pinion (Fig. 4)

- **Reduced weight:** power/weight ration is rated among the best in this category.

EASE OF USE

- **Aluminium adjustable oiler:** facilitates the task of the operator by allowing variation of the oil feed, according to the nature of use and the bar/chain combination; zero oil flow with the engine at idling speed ensures lower consumption and reduced impact on the environment (Fig. 5).

Fig. 5



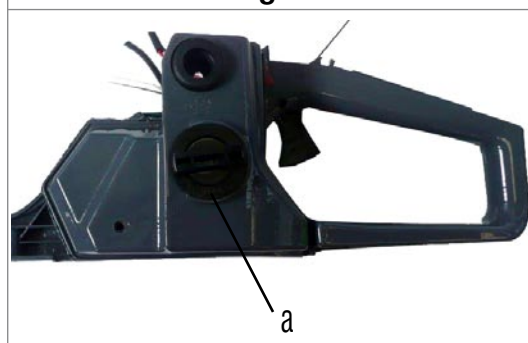
- **Lateral chain tensioner:** simplifies tensioning adjustments while avoiding any risk of contact with the chain (Fig.6a).

Fig. 6



- The adoption of a **fuel tank** separated from the body of the machine (Fig.7a) protects the fuel from the heat of the engine, that favors the good operation of the machine in every environmental condition and of job.

Fig. 7



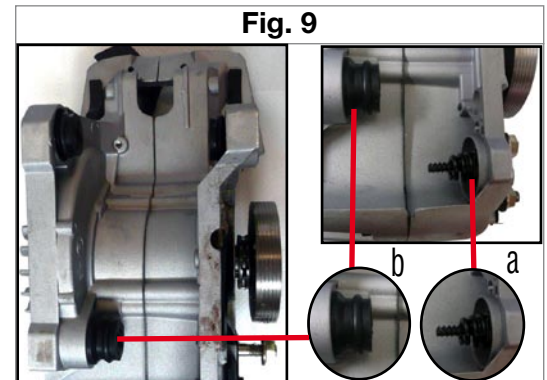
- **Filter cover with knob** (Fig.8a): inspection and replacement of air filter and spark plug with no tools required

Fig. 8

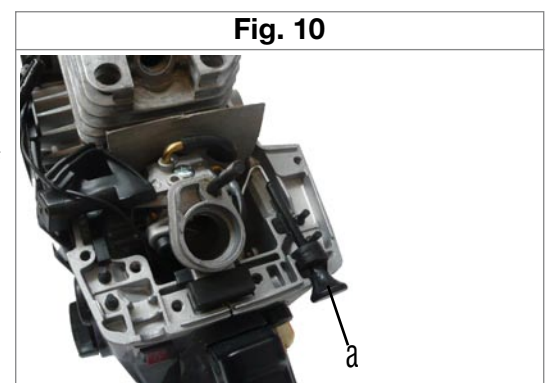


COMFORT

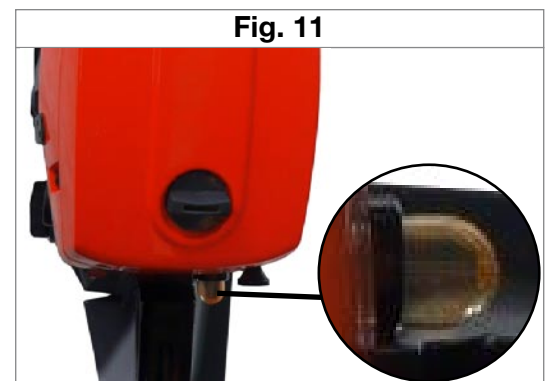
- **Anti-vibration system** utilizing 1 spring damper (fig. 9a) and 5 rubber (Fig. 9b) stops with hands and body completely isolated from machine vibrations, the operator benefits through increased comfort.



- **Automatic lever starter:** a single command for activation of semi-acceleration (Fig. 10a). The automatic starter device deactivates automatically when the accelerator lever is squeezed fully down.



- **“Primer”** (Fig. 11): fuel mixture is drawn actively into the carburettor to facilitate starting from cold, after refuelling and following long idle periods.



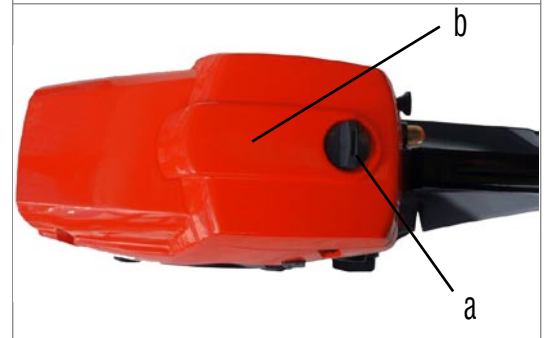
- **Reinforced muffler** (Fig. 12) designed to reduce noise emissions even at maximum rpm.



EASE OF MAINTENANCE

- **Easy access** and maintenance of the air filter and spark plug; no special tools required to remove the cover (fig. 13a) as the knob provides immediate access (Fig. 13b).

Fig. 13



- **Nylon** mesh filter surface (Fig 14): easier to clean and extended lifetime.

Fig. 14



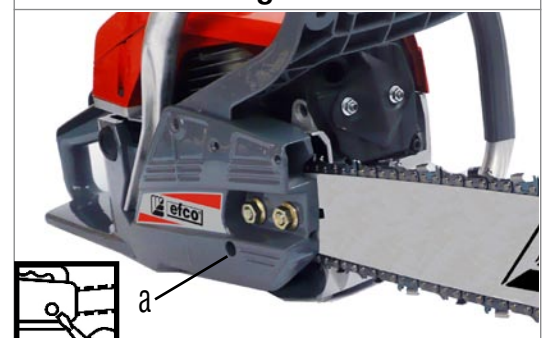
- Thanks to the new **“Self-cleaning” filter system**, the interval between two consecutive filter cleaning operations is prolonged.

Fig. 15



- **Automatic chain lubrication oil pump** with adjustable flow rate (Fig.15): zero flow with engine at idling speed ensures less caking of chips and dust, consequently less time spent on maintenance, and longer intervals between cleaning/servicing operations.

Fig. 16



- **Lateral chain tensioner** (Fig. 16a): facilitates correct tensioning of the chain during everyday use.

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS		MT 510
TYPE		2-stroke
DISPLACEMENT	cm ³	49,2
CRANKCASE		Aluminium
PISTON RINGS		2
MAX POWER	HP/kW (rpm)	2.6 / 2 (7500)
IGNITION SYSTEM		
TYPE		Electronic
COIL		Analogic
COOLING AIR INLET AREA		Ample
FLYWHEEL DIAMETER	mm	100
FUEL AND LUBRIFICATION SYSTEM		
CARBURETOR declared		WALBRO
FUEL TANK CAPACITY	L	0,55
AIR FILTER		Nylon
PRIMER		Yes
HALF THROTTLE		Yes
OIL PUMP		Automatic and adjustable
OIL TANK VOLUME	L	0,26
CUTTING SYSTEM		
CLUTCH COVER		Plastic
CHAÎN TENSIONER		On the side
BAR LENGTH	" (mm)	18 (460)
CHAÎN PITCH	"	.325
THICKNESS	" (mm)	.058 (1.5)
CLUTCH SHOES		3
PINION TEETH (N°)		7
FREIN DE CHAÎNE		Inertial
ANTIVIBRATION SYSTEM		N°1 spring + N°5 rubber absorbers
WEIGHT (Without cutters and bar)	Kg	5.5
WEIGHT POWER RATIO	(Kg/kW)	2.6



It's an **Emak S.p.A.** trademark Member of the Yama Group
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