

Product Information

Language	INGLESE
Nr.	211
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Subject	GS 520



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

CHAINSAW GS 520



Mod. GS 520

These powerful lightweight cutters provide high torque even at low rpm and are ideal for any kind of agricultural use such as lopping, collecting firewood, felling and cutting up medium/large-sized trees. The decompressor valve, "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

- **Engine:** Nickel-plated cylinder, 3 elements crankshaft forged, connecting rod forged, 2 caged bearing and piston with 2 rings: constant efficiency assured over time, even in tough operating conditions (fig. 1-2).

- **Engine unit** separate from machine body (fig. 2): easy and quick maintenance, enhanced reliability, reduced heat transmission.

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

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

- **"Ice device"** ensures the machine can operate without difficulty even at low temperatures (below 0 °C), avoiding the formation of ice on the air filter (Fig. 3a).

- **High flywheel diameter (Ø 100 mm)**, tongues with new geometry (fig.4) designed to guarantee smoother operation of engine and optimize engine cooling even in adverse weather conditions (high temperatures).

Fig. 1



Fig. 2



Fig. 3



Fig. 4



PERFORMANCE AND ENGINEERING SOLUTIONS

- **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



- **Aluminum chain guard** guarantees optimum strength and lightweight construction (fig.6a).

Fig. 6



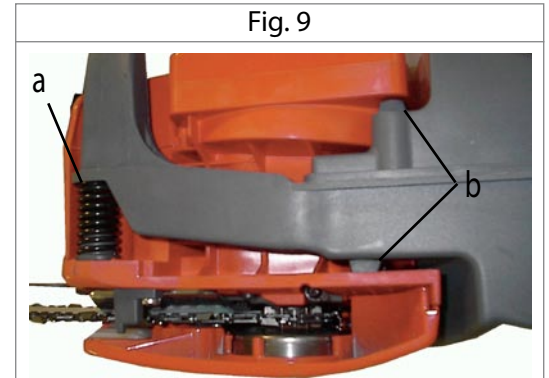
- The adoption of a **fuel tank** separated from the body of the machine fig.7a) protects the fuel from the heat of the engine, that favors the good operation of the machine in every environmental condition and of job.

Fig. 7

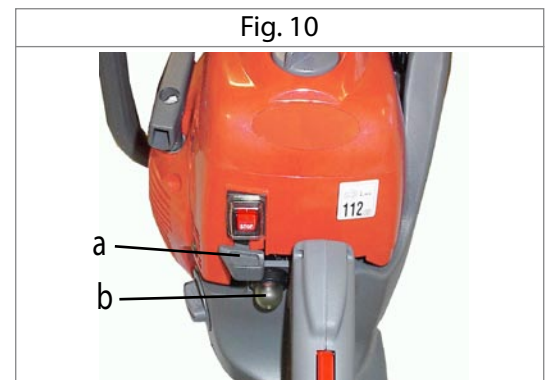


EASE OF USE

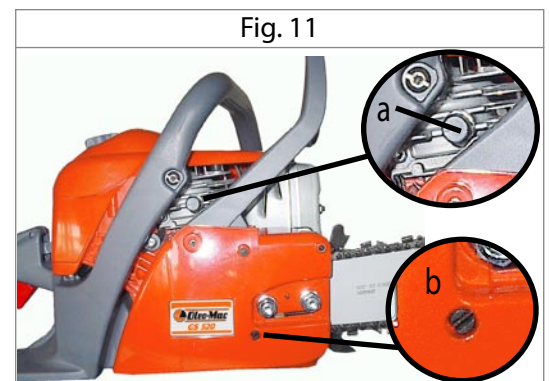
- **Anti-vibration system** utilizing 3 spring dampers (fig. 9a) and 2 rubber (fig. 9b) stops with hands and body completely isolated from machine vibrations, the operator benefits through increased comfort.



- **Automatic single lever starter:** a single command for separate or combined activation of semi-acceleration and the starter (fig. 10a). The automatic starter device deactivates automatically when the accelerator lever is squeezed fully down.
- **Ergonomics:** all the main saw controls are within easy reach by just the right hand (fig. 10). This enables work to continue without having to remove the hand from the handle.
- **"Primer"** (fig. 10b): fuel mixture is drawn actively into the carburettor to facilitate starting from cold, after refuelling and following long idle periods.



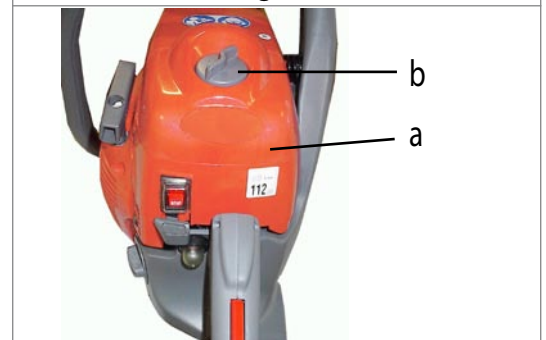
- With a **"decompression valve"** (fig. 11a) mounted on the cylinder if activated in phase of starter reducing the internal pressure to the combustion chamber, that concurs an starter express, with light repercussions and the minimal effort.
- **Lateral chain tensioner** (fig. 11b): facilitates correct tensioning of the chain during everyday use.



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 13b): easier to clean and extended lifetime.

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

Fig. 14



- **Muffler** with **catalytic converter** in the Euro 2 version guarantees adherence to emission limits imposed by the latest European anti-pollution standards (fig. 15).

Fig. 15



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

Fig. 16



TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS		OLEO-MAC GS 520
TYPE		2-stroke (Euro 2)
DISPLACEMENT	cm ³	51,7
MOTOR BREECH		Aluminium
DECOMPRESSOR		Yes
BORE X STROKE	mm x mm	45 x 32,5
PISTON RINGS		2
MAX POWER	HP/kW (rpm)	3.4 / 2.5 (9000)
MAX TORQUE	Nm (rpm)	2.98 (6500)
IGNITION SYSTEM		
TYPE		Electronic
COIL		Analogic
ICE DEVICE SYSTEM		Yes
COOLING AIR INLET AREA		Ample
FLYWHEEL DIAMETER	mm	100
FUEL AND LUBRIFICATION SYSTEM		
CARBURETOR declared		WALBRO
FUEL TANK CAPACITY	L	0,5
AIR FILTER		Nylon
PRIMER		Yes
HALF THROTTLE		Yes
OIL PUMP		Automatic and adjustable
OIL TANK VOLUME	L	0,27
CUTTING SYSTEM		
CLUTCH COVER		Aluminium
CHAIN TENSIONER		On the side
BAR LENGTH	" (mm)	16 - 18 (410 - 460)
CHAIN PITCH	"	.325
THICKNESS	" (mm)	.058 (1.5)
CLUTCH SHOES		3
PINION TEETH (N°)		7
FREIN DE CHAÎNE		Inertial
ERGONOMICS / HOMOLOGATIONS		
ANTIVIBRATION SYSTEM		N°3 spring + N°2 rubber absorbers
NOISE PRESSURE (LpA av EN 11681-1 - EN 22868)	dB(A)	104,4
NOISE POWER (LwA 2000/14/EC - EN ISO 3744 - EN 22868)	dB(A)	115
VIBRATION LEVEL SX (EN 11681-1 - EN 22867 - EN 12096)	m/s ²	5,2 (SX)
VIBRATION LEVEL DX (EN 11681-1 - EN 22867 - EN 12096)	m/s ²	5,5 (DX)
WEIGHT (Without cutters and bar)	Kg	5
WEIGHT POWER RATIO	(Kg/kW)	2



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