

Product Information

Language	INGLESE
Nr.	264
Date	2/2017
Subject	GSH 51 - GSH 56 - EURO 0



our power, your passion

GSH 51 - GSH 56 CHAINSAWS



Mod. GSH 51



PERFORMANCE AND ENGINEERING SOLUTIONS

Emak 2-stroke engine

50.9 cc / 2.2 kW - 3.0 HP (Euro 0)

54.5 cc / 2.6 kW - 3.5 HP (Euro 0)

- Aluminium crankcase (Fig. 1)
- Nickel-plated cylinder (Fig. 2)
- 3 elements crankshaft forged (Fig. 2)
- connecting rod forged (Fig. 2)
- 2 caged bearing (Fig. 2)
- piston with 2 rings (Fig. 2)
- **WALBRO carburetor** (Fig. 2)

- **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:**

GSH 51 (bar 18 " - .325 or 3/8 x .058 pitch chain)

GSH 56 (bar 20 " - .325 or 3/8 x .058 pitch chain)

- **Clutch** with 3 centrifugal masses and 7 teeth pinion (Fig. 4)

Fig. 1



Fig. 2



Fig. 3

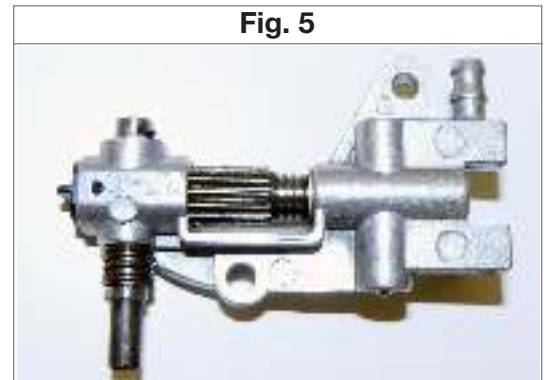


Fig. 4



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).



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

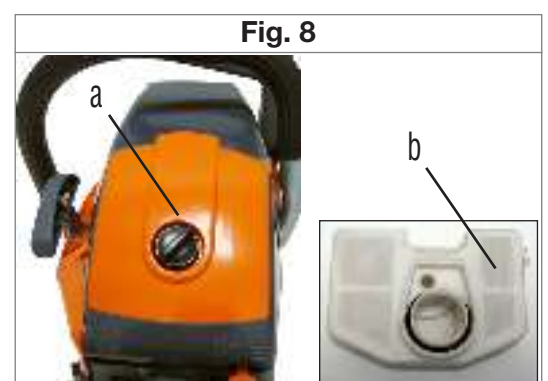


- The adoption of a **fuel tank** separated from the body of the machine (Fig.7a) protects the fuel from the heat of the engine, that favors the good operation of the machine in every environmental condition and of job.



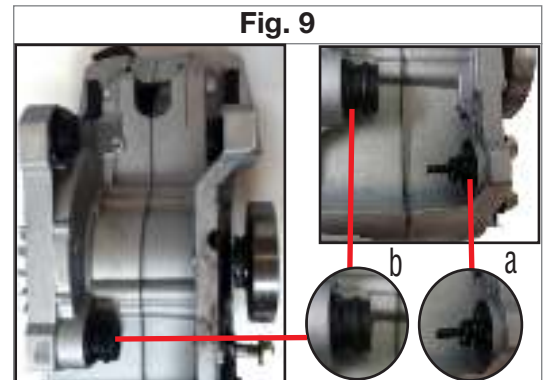
- **Filter cover with knob** (Fig.8a): inspection and replacement of air filter and spark plug with no tools required.

- **Nylon** mesh filter surface (Fig.8b): easier to clean and extended lifetime.



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).



- **“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.



TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS		GSH 51	GSH 56
TYPE		2-stroke / Euro 0	
DISPLACEMENT	cm ³	50.9	54.5
CRANKCASE		Aluminium	
PISTON RINGS		2	
MAX POWER	HP/kW	3.0 / 2.2 (7500)	3.5 / 2.6 (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) - 20 (510)	
CHAÎN PITCH	"	.325 - 3/8	
THICKNESS	" (mm)	.050 (1.3) - .058 (1.5)	
CLUTCH SHOES		3	
PINION TEETH (N°)		7	7
FREIN DE CHAÎNE		Inertial	
ANTIVIBRATION SYSTEM		N°1 spring + N°5 rubber absorbers	
WEIGHT (Without cutters and bar)	Kg	5.3	5.4



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