

## Product Information

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# NEW CHAINSAWS GS 35 C (EURO 1) - GS 350 C (EURO 2)



Mod. GS 350 C

The new GS 35 C (EURO 1) and GS 350 C (EURO 2) chain saws are powerful 38.9 cc chain saws capable of developing 2.0 HP / 1.5 kW. Targeted at the entry-level user, they incorporate special technical solutions which enhance their quality, cutting performance and compliance with anti-pollution legislation.

The result of in-depth research aimed at understanding the real needs of the target user, these machines deliver high-tech solutions, outstanding cutting performance and simple operation at an affordable price.

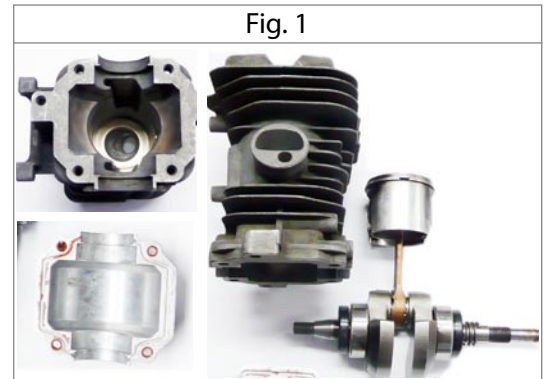
User-friendly control is assured by numerous details, including - icons on the engine cover showing the operations to perform for quick and safe starting - primer device positioned in full view near to the starting handle - ON-OFF switch, choke and half-throttle control incorporated into a single multifunction lever, for practical and simple operation - transparent oil and mix reservoir for immediate display of the level - chain brake lever with 2 fixing points.

The new engines underline the technological credentials of the machine and are designed to reduce emissions of noise and unburned hydrocarbons (HC+NOx). They ensure low running costs and respect for the environment, particularly in the GS 350 C (EURO 2) version with catalytic muffler.

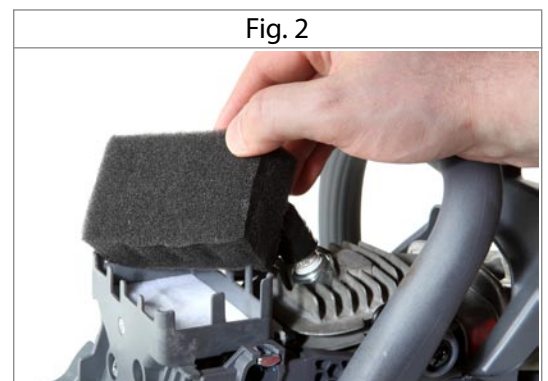
## PERFORMANCE AND ENGINEERING SOLUTIONS

- **38.9 HP 2-stroke engine** available in the Euro 1 version (GS 35 C) and the Euro 2 version with catalytic muffler (GS 350 C).

- **Nickel-plated cylinder, aluminium breech, crankshaft in 3 sections, forged and machined steel connecting rod and shaft, big end roller cage, small end roller bearing** (Fig. 1).

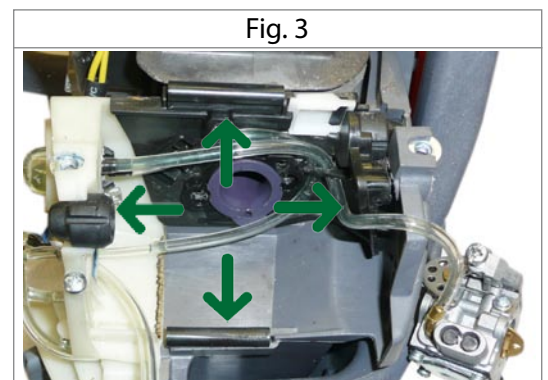


- **Double generously sized sponge + cloth air filter:** ensures high efficiency filtration and simple maintenance (Fig. 2).



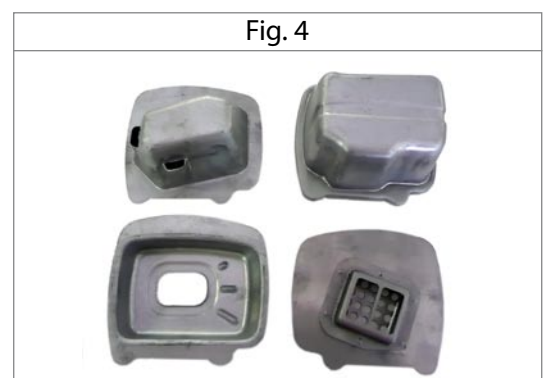
- **Fuel tank capacity** of 0.35 litres: together with the low specific fuel consumption of the engine, allows for longer running time.

- **Carburettor bracket with 4 anti-vibration mounts:** guarantees stable fuel burn under all operating conditions, and longer life of carburettor (Fig. 3).



- **Primer device:** fuel mixture is actively drawn into the carburettor to facilitate starting from cold, after refuelling and following long idle periods.

- **Muffler with catalytic converter** in the Euro 2 version (GS 350 C) guarantees adherence to emission limits imposed by the latest European anti-pollution standards (Fig. 4).

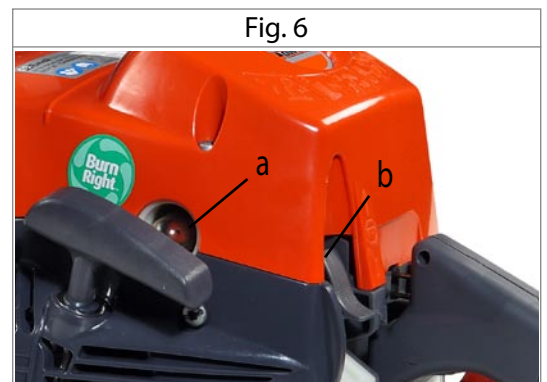


## EASE OF USE

- The **illustrated step-by-step start-up instructions** ensure quick and safe starting, even for less expert users (Fig. 5).

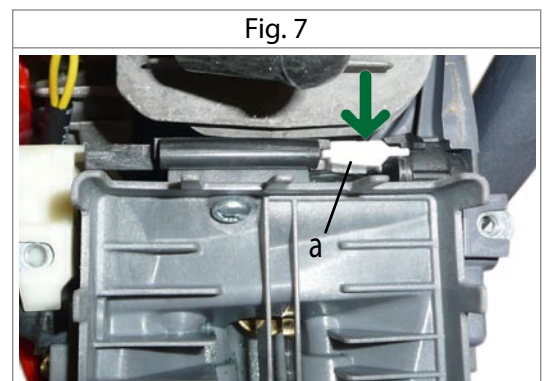


- **Primer device positioned in full view on the engine cover**: facilitates starting from cold, after refuelling or following lengthy idle periods (Fig. 6a).



- **On-Off switch** and **choke** incorporated in a single **multi-function lever**: extremely practical and simple to use (Fig. 6b).

- **"ICE DEVICE" system** enables the machine to operate without difficulty even at low temperatures (below 0°C): prevents ice build-up by diverting the flow of hot air from the cylinder to the air filter (Fig. 7a).



- **Automatic oil pump** with **constant delivery**. Easy to replace, simply remove the drive housing and clutch.

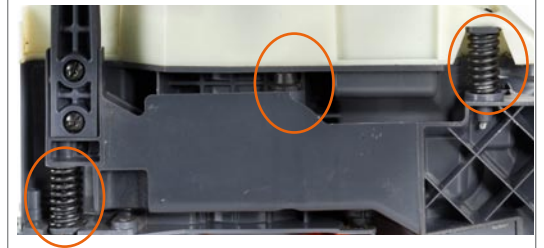
- **Transparent tanks**: for immediate display of the oil and fuel (Fig. 8).



## COMFORT

- **Anti-vibration system** using 3 spring dampers and 3 rubber stops: significantly isolates the operator from engine vibration, for greater comfort during use (Fig. 9).

Fig. 9



- **New starter handle design**: for more comfortable starting of the machine (Fig. 10).

Fig. 10



- **Large, ergonomically-shaped inertia brake lever** with **double fixing point** on the crankcase: designed to guarantee smooth starting in any condition and operating position (Fig. 11).

Fig. 11



- **Sound-insulated muffler**: significantly reduces noise emissions (Fig. 12).

Fig. 12



## EASE OF MAINTENANCE

- **Filter cover built into engine cover:** allows inspection and maintenance by removing the 3 fixing screws. (Fig. 13).

Fig. 13



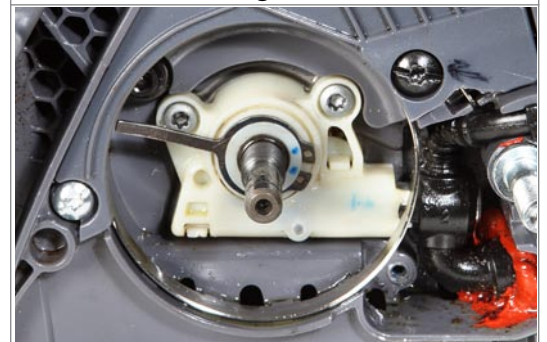
- **Clutch "ON BOARD"**, assembly secured to shaft using circlip: reduces the risk of blockage and simplifies routine maintenance operations (Fig. 14).

Fig. 14



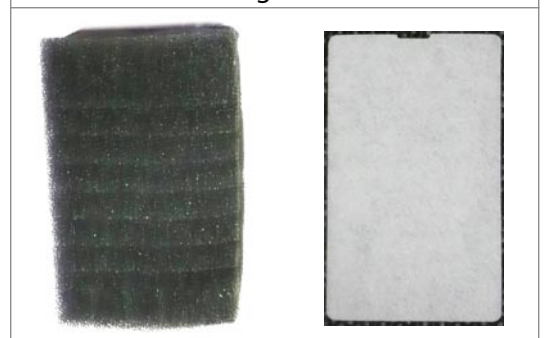
- **Easily replaceable automatic oil pump:** simply remove the clutch (Fig. 15). Zero oil flow with the engine at idling speed ensures lower consumption and reduced impact on the environment.

Fig. 15



- **Double generously sized sponge + cloth air filter:** simple and quick to clean, more hours of running time between maintenance stops (Fig. 16)

Fig. 16



## TECHNICAL SPECIFICATIONS

MODEL	OM	GS 35 C	GS 350 C
<b>ENGINE</b>			
TYPE		Emak 2-stroke (EURO I)	Emak 2-stroke (EURO 2) with catalyst
DISPLACEMENT	cm <sup>3</sup>	38.9	
BORE x STROKE	mm x mm	40 X 31	
MAXIMUM POWER OUTPUT	HP/kW (rpm)	2.0 / 1.48 (9000)	
MAXIMUM TORQUE	Nm (rpm)	2.15 (6500)	
IDLING SPEED	rpm	3000	
MAXIMUM NO LOAD SPEED with limiter	rpm	13000	
HOURLY FUEL CONSUMPTION (at max power output)	g/h (rpm)	750	
EMISSIONS (HC+Nox)	gr/kWh	150	48
CRANKCASE		Aluminium	
<b>IGNITION SYSTEM</b>			
TYPE		Capacitive electronic	
COIL		Analogic	
FLYWHEEL	mm	100	
SPARK PLUG		CHAMPION RCJ-7Y	
ICE DEVICE SYSTEM		Yes	
<b>FUEL &amp; LUBRICATION SYSTEM</b>			
CARBURETTOR		Ruixing	
CARBURETTOR BRACHET		With 4 anti-vibration mounts	
AIR FILTER		Sponge + cloth	
FUEL		Mix 4% with PROSINT oil 2% (50:1)	
FUEL TANK CAPACITY	l	0.35	
PRIMER		Yes	
<b>TRANSMISSION SYSTEM</b>			
TRANSMISSION		Chain sprocket outside clutch bell (reversed)	
CLUTCH		2 parts	
N° SPROCKET TEETH		6	
CHAIN SPEED	m/s	17.2 (9000)	
<b>TYPE TEST APPROVALS</b>			
SOUND PRESSURE (LpA av EN 11681-1 EN 22868)	dB(A)	99.6	
SOUND POWER (LwA 2000/14/EC, EN 22868, EN ISO 3744)	dB(A)	113	
VIBRATION LEVEL (EN 11681-1,EN 22867,EN12096)	m/s <sup>2</sup>	6.0 (SX) - 6.7 (DX) con barra da 14-16"	
UNCERTAINTY (EN 12096)	m/s <sup>2</sup>	1.5 - 2.0	
<b>ERGONOMICS</b>			
ANTI-VIBRATION SYSTEM		On 4 anti-vibration mounts	
<b>BAR AND CHAIN CUTTING SYSTEM</b>			
BAR LENGTH	inch (mm)	14-16 (350 - 410)	
CHAIN PITCH	inch (mm)	3/8 x .050 (1.3)	
CHAIN BRAKE		Inertia-activated	
CHAIN GUARD		Plastic	
CHAIN TENSIONER		Front	
OIL RESERVOIR CAPACITY	l	0.26	
OIL PUMP		Plastic + metal	
OIL PUMP		Automatic	
BUCKING SPIKE		Plastic	
WEIGHT (without bar/chain)	kg	4.4	
POWER-TO-WEIGHT RATIO	kg/kW	3.1	



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