#### **Product Information**

| Language | INGLESE     |  |  |  |
|----------|-------------|--|--|--|
| Nr.      | 144         |  |  |  |
| Date     | 9/2009      |  |  |  |
| Subject  | GS 35 - 350 |  |  |  |



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



Mod. GS 350

The new GS 35 (EURO 1) and GS 350 (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 (EURO 2) version with catalytic muffler.

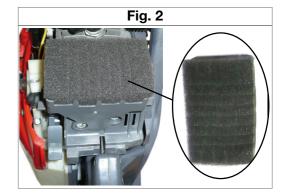


#### PERFORMANCE AND ENGINEERING SOLUTIONS

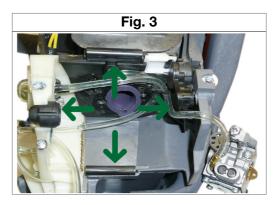
- 38.9 HP 2-stroke engine available in the Euro 1 version (GS 35) and the Euro 2 version with catalytic muffler (GS 350).
- Nickel-plated cylinder, aluminium breech, crankshaft in 3 sections, forged and machined steel connecting rod and shaft, big end roller cage, small end roller bearing (Fig. 1).



- Generously sized foam 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) guarantees adherence to emission limits imposed by the latest European anti-pollution standards (Fig. 4).





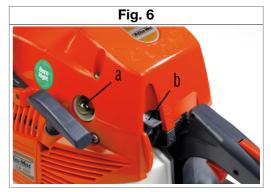


#### **EASE OF USE**

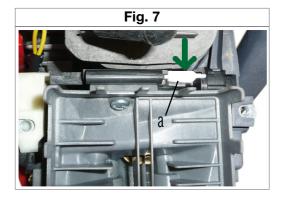
• The **illustrated step-by-step start-up instructions** ensure quick and safe starting, even for less expert users (Fig. 5).



- 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 multifunction 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: activates automatically when the chain starts moving. Easy to replace, simply remove the drive housing and clutch.
- **Transparent tanks**: for immediate display of the oil and fuel (Fig. 8).

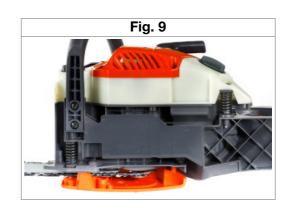




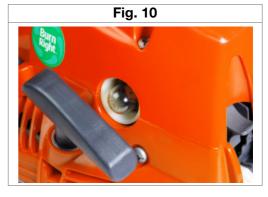


### **COMFORT**

• 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).



• New starter handle design: for more comfortable starting of the machine (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).



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



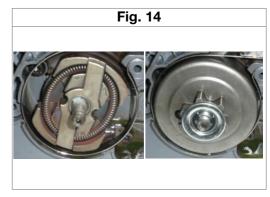


### **EASE OF MAINTENANCE**

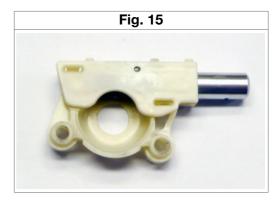
• Filter cover built into engine cover: allows inspection and maintenance by removing the 3 fixing screws. (Fig. 13).



• Clutch/drive housing assembly secured to shaft using circlip: reduces the risk of blockage and simplifies routine maintenance operations (Fig. 14).



• Easily replaceable automatic oil pump: simply remove the clutch (Fig. 15).



• Foam air filter: simple and quick to clean, more hours of running time between maintenance stops (Fig. 16).





## **TECHNICAL SPECIFICATIONS**

| ОМ   | GS 35   | GS 350                               |  |  |
|--|---|--------------------------------------|--|--|
|  |   |                                      |  |  |
|  | Emak 2-stroke (EURO I)  | Emak 2-stroke (EURO 2) with catalyst |  |  |
| cm <sup>3</sup>  |   | 38.9                                 |  |  |
| mm x mm  | 40 X 31   |                                      |  |  |
| HP/kW (rpm)  | 2.0 / 1.48 (9000)   |                                      |  |  |
| Nm (rpm)   | 2.15 (6500)   |                                      |  |  |
| rpm  | 3000  |                                      |  |  |
| rpm  | 13000   |                                      |  |  |
| g/h (rpm)  | 750   |                                      |  |  |
| gr/kWh   | 150   | 48                                   |  |  |
|  | Al  | uminium                              |  |  |
|  |   |                                      |  |  |
|  | Capacitive electronic   |                                      |  |  |
|  | Analogic  |                                      |  |  |
| mm   | 100   |                                      |  |  |
| UG NGK BPMR8Y  |   | ( BPMR8Y                             |  |  |
|  | Yes   |                                      |  |  |
|  |   |                                      |  |  |
|  |   | Ruixing                              |  |  |
|  | With 4 anti-vibration mounts  |                                      |  |  |
|  | Foam  |                                      |  |  |
|  | Mix 4% with PROSINT oil 2% (50:1)   |                                      |  |  |
| ı  | 0.35  |                                      |  |  |
|  | Yes   |                                      |  |  |
| L  |   |                                      |  |  |
|  | Chain sprocket out  | side clutch bell (reversed)          |  |  |
|  | 2 parts   |                                      |  |  |
|  | 6   |                                      |  |  |
| m/s  | 17.2 (9000)   |                                      |  |  |
| TYPE TEST APPROVALS  |   |                                      |  |  |
| dB(A)  |   |                                      |  |  |
|  |   |                                      |  |  |
| m/s²   | (SX) - (DX) con barra da 14-16"   | (SX) - (DX) con barra da 14-16"      |  |  |
| m/s²   | con barra da 14-16"   | con barra da 14-16"                  |  |  |
| I.   |   |                                      |  |  |
|  | On 4 anti-  | vibration mounts                     |  |  |
| ANTI-VIBRATION SYSTEM On 4 anti-vibration mounts  BAR AND CHAIN CUTTING SYSTEM |   |                                      |  |  |
| inch (mm)  | 14-16 (350 - 410)   |                                      |  |  |
| , ,  | 3/8 x .050 (1.3)  |                                      |  |  |
| , ,  | Inertia-activated   |                                      |  |  |
|  | Plastic   |                                      |  |  |
|  |   | Plastic                              |  |  |
|  |   |                                      |  |  |
|  |   | Front                                |  |  |
| I  |   | Front 0.26                           |  |  |
| I  |   | Front 0.26 Plastic                   |  |  |
| I  | A   | Front 0.26 Plastic utomatic          |  |  |
| l<br>kg  | A   | Front 0.26 Plastic                   |  |  |
|  | cm³ mm x mm HP/kW (rpm) Nm (rpm) rpm rpm g/h (rpm) gr/kWh  I  I  dB(A) dB(A) m/s² | Emak 2-stroke (EURO I)               |  |  |





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