



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

GS 630 chainsaw

Model GS 630 is the new version of the 962, updated to comply with the latest European emissions and safety regulations.

Suitable for felling, limbing and bucking large trees, the GS 630 is versatile, thanks to its high power and compatibility with guide bars from 16" to 20" in length, without having to relinquish the benefits of low overall weight.

A digital coil, magnesium alloy crankcase and chain guard, automatic and adjustable aluminium oil pump, 3-piece forged steel crankshaft, and nickel plated cylinder make this machine rugged and reliable.

A primer and decompressor make it possible to reduce the effort required for starting. A nylon filter and chain guard with a wide discharge section allow faster maintenance.

Finally, comfort is assured by an anti-vibration system with vibration dampers and an aluminium handle clad in soft rubber.



Performance and engineering solutions

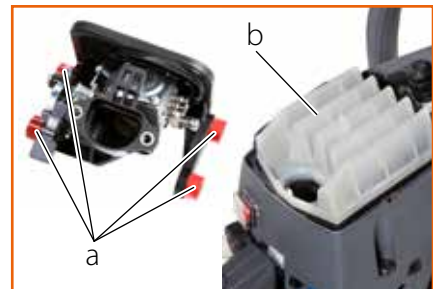
1 — Professional Emak 2-stroke engine of 63.2 cc/4.7 HP (EURO 5):

- 3 piece forged steel crankshaft
- Machined and balanced
- Diamond-machined aluminium piston with 2 rings, forged connecting rod, 2 roller bearings
- Nickel-plated cylinder,
- Metal crankcase, all guaranteeing high performance, mechanical strength and long-term durability.



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

— **Large nylon filter,** labyrinth air prefiltering system (b) with optimum filtering action, ideal for heavily dust-laden environments.



3 — Digital coil, flywheel with new fin geometry and starter housing of optimized design with large air intake slots: engine guaranteed to run more smoothly with cooling rendered more efficient, at whatever speed, even in difficult climatic conditions (high temperatures)



Ease of use

- 1 — **On/off switch, choke control placed closed to the rear handle:** guaranteed practical and simple to use.



- 2 — **Primer Device:** boosts the fuel flow to the carburettor to facilitate cold starts, starts after refuelling, and starts after long periods of disuse.



- 3 — **Decompressor valve:** when activated, reduces pressure in the combustion chamber to ensure the engine will start easily, even from cold.



- 4 — **Chain lubrication oil pump (aluminium) with adjustable flow rate:** facilitates the task of the operator by allowing variation of the oil feed to suit the workload on the machine and the type of wood.



Comfort

- 1 — **Anti-vibration system** using 6 mounts, comprising 6 rubber stops, (a) and (b), located between the handle and the crankcase: with hands and body completely isolated from machine vibrations, the operator benefits through increased comfort.



- 2 — **Front handle made of aluminium, covered in soft rubber:** ensures a firm, anatomically correct and comfortable grip.



- 3 — **Ergonomic controls:** all functions of the machine are easily reachable with just one hand, so that the operator can work confidently without ever letting go of the handle.



- 4 — **Reinforced muffler** designed to reduce noise emissions even at maximum rpm.



Ease of maintenance

- 1 — **Nylon air filter:** the nylon mesh filter makes cleaning operations quicker and easier and reduces the rate of deterioration of the filter through time.



- 2 — **Automatic chain lubrication oil pump with adjustable flow rate:** 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.



- 3 — **Chain guard with wide outlet section:** designed to facilitate clearance of chips and dust (less caking), so that the part needs cleaning and servicing less frequently. The two shields, rubber on the chain guard (a) and plastic on the tank (b), offer maximum strength in the event of the chain dropping off.



| | | |
|---|------------------|---|
| MODEL | | GS 630 |
| ENGINE | | |
| TYPE | | 2 stroke Emak (EURO5) |
| DISPLACEMENT | cm ³ | 63.2 |
| BORE x STROKE | mm x mm | 48 x 35 |
| MAX POWER | HP / kW (rpm) | 4.7 / 3.5 (9,500) |
| MAX TORQUE | Nm (rpm) | 3.4 (6,500) |
| IDLE RPM | rpm | 2,500 ÷ 2,800 |
| MAX RPM AT NO LOAD | rpm | 12,500 |
| FUEL CONSUMPTION (max power) | g/h (rpm) | 1,630 (9,500) |
| IGNITION SYSTEM | | |
| TYPE | | Capacitive electronic |
| COIL | | Digital electronic |
| SPARK PLUG | | NGK BPMR8Y |
| ICE DEVICE SYSTEM | | no |
| EASY ON SYSTEM | | no |
| FUEL AND LUBRIFICATION SYSTEM | | |
| CARBURETOR | | Walbro HDA-350 |
| AIR FILTER | | Nylon |
| FUEL | | Mix 4% with PROSINT oil 2% (50:1) |
| FUEL TANK CAPACITY | l | 0.70 |
| PRIMER | | Yes |
| DECOMPRESSOR | | Yes |
| TRANSMISSION SYSTEM | | |
| TRANSMISSION | | Pinion |
| CLUTCH | | Centrifugal (3600 rpm clutch engagement) |
| PINION TEETH (N°) | | 7 |
| SAFETY | | |
| NOISE PRESSURE (LpA av EN 11681-1, EN 22868) | dB(A) | 104,1 |
| NOISE POWER (LWA 2000/14/EC, EN 22868, EN ISO 3744) | dB(A) | 115 |
| VIBRATION LEVEL (EN 11681-1, EN 22867, EN 12096) - CHAIN 3/8" x .058" | m/s ² | 5,9 sx - 6,8 dx |
| UNCERTAINTY (EN 12096) - CHAIN 3/8" x .058" | m/s ² | 1,8 sx - 1,7 dx |
| ERGONOMICS | | |
| FRONT HANDLE | | Rubber covering |
| REAR HANDLE | | Ergonomic Plastic |
| ANTIVIBRATION SYSTEM | | 6 rubber stops |
| CUTTING SYSTEM | | |
| BAR LENGHT | cm (inch) | 41 - 46 - 51 (16" - 18" - 20") |
| CHAIN PITCH / GAUGE | inch | 3/8" x .058" - .325" x .058" |
| CHAIN BRAKE | | Inertia-activated |
| OIL TANK VOLUME | l | 0.35 |
| OIL PUMP | | Automatic / Adjustable / zero flow at minimum |
| CHAIN TENSIONER | | On the Front |
| HOOK | | Steel |
| HOMOLOGATIONS | | |
| WEIGHT (Without cutters and bar) | kg | 5.8 |
| WEIGHT POWER RATIO | kg/kW | 1.7 |



It's an **Emak S.p.A.** trademark
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