

Product Information

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Subject	MULTIMATE



our power, your passion

MULTIMATE



The Multimate is made up of:

- A) POWER UNIT**
- B) CONNECTION SYSTEM Rev&Go (patented solution)**
- C) IMPLEMENTS**

all applications can be assembled very quickly on the power unit without tools by simply pushing a button, thus guaranteeing:

- VERSATILITY

Just one big core: a compact, lightweight and quiet engine which can power up to 5 different implements.

- EASE OF USE

In just five seconds the patented lock-release system Rev&Go lets you switch over from one implement to another.

- PERFORMANCE

A new 2-stroke engine:

- ecologically advanced (-80% emissions)
- quiet
- lightweight (less than 4 kg)
- equipped with a rich 3-spring anti-vibration system
- engine designed to guarantee 40% lower fuel consumption and high operational economy (45 minutes with a full tank).

- CONVENIENT

With a single engine body for five implements, MultiMate represents an extremely handy piece of equipment. By purchasing MultiMate with at least three implements, the consumer can save up to 50% compared with the same number of equivalent standalone machines.

- STORAGE

Multimate has been designed to take up the smallest possible space. Diminutive, lightweight and compact, it is supplied with a special kit for storing. The 5 implements developed up until now are:

- **Brushcutter - Trimmer - Blower - Hedgecutter - Pruner.**

1 ENGINE: PERFORMANCE AND ENGINEERING SOLUTIONS

- The **core** of the **MULTIMATE** (Fig.1) is a powerful 2-stroke engine, 30.5 cm³ Euro)2, with catalytic converter: reliable, eco-friendly, quiet and featuring an innovative anti-vibration system

- **3-piece balanced drive shaft in forged steel with aluminium piston and forged connecting rod with two roller housings** that guarantee consistent long-term performance.

- **Digital coil** with **variable advance** (fig. 2) and flywheel with newly-designed flaps guarantee improved engine functioning and enhanced cooling of the heating unit, even in difficult climatic conditions (such as high temperatures).

- **Sound-proofed muffler with catalytic converter** designed to reduce pollution of non-combustible hydrocarbons and for silent operation (Fig. 3).

- **Utmost respect for the environment: the 30 cc EURO 2 engine** produces up to 80% lower emissions compared with conventional 2-stroke engines.

- **Lower fuel consumption** (40% less than traditional 2-stroke engines): **over 45 minutes operation on a full tank.**

- **Innovative anti-vibration system** with **3 springs made of steel** that totally isolate it from the handgrip: this is the revolutionary heart of Multimate (Fig. 4).

Fig. 1



Fig. 2



Fig. 3



Fig. 4



EASE OF USE

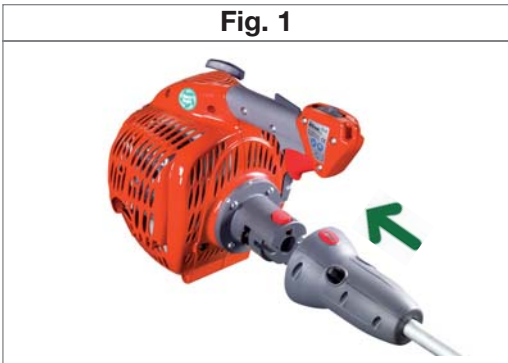
- **Multimate** features the **patented Rev&Go system**, a quick-fit mechanism which enables the operator to switch from one implement to another within seconds and without the need for tools: simply insert an implement and rotate to attach it, or press a button and rotate to release it.

QUICK CONNECTION



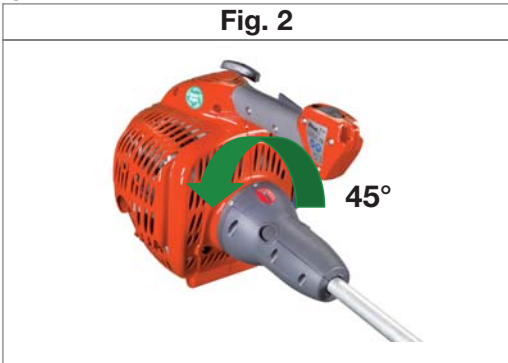
QUICK RELEASE

Fig. 1



It lines up the red arrow on the quick connection with the button on the engine.

Fig. 2



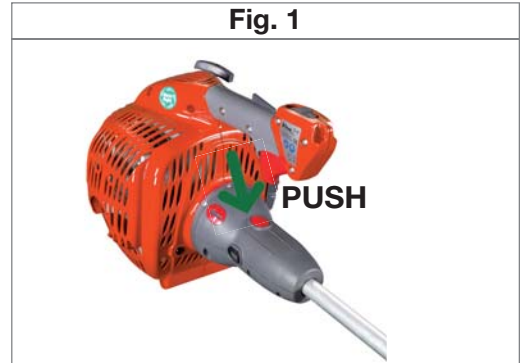
Insert the implement on the engine until when the red arrow butts up against the OPEN padlock.

Fig. 3



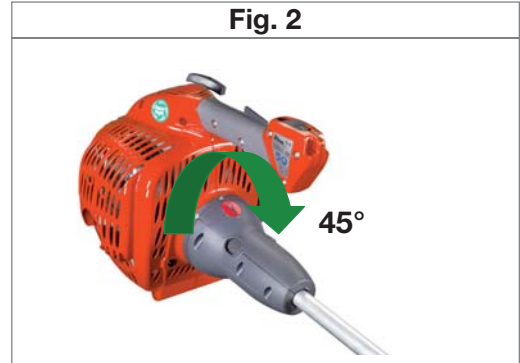
Turn the implement right (or left) until the red arrow butts up against the CLOSED padlock.

Fig. 1



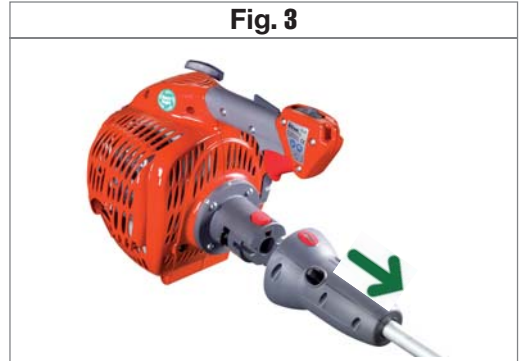
Keep the button pressed.

Fig. 2



Turn the implement until the red arrow butts up against the OPEN padlock.

Fig. 3



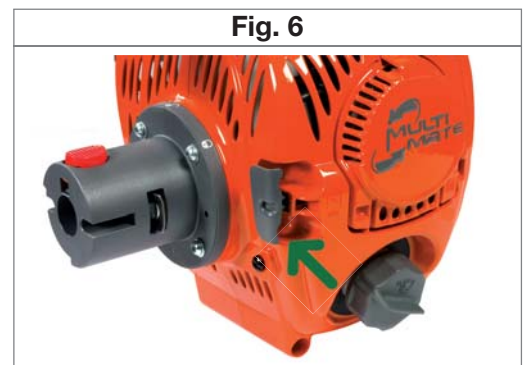
Remove the implement from the engine.

EASE OF USE

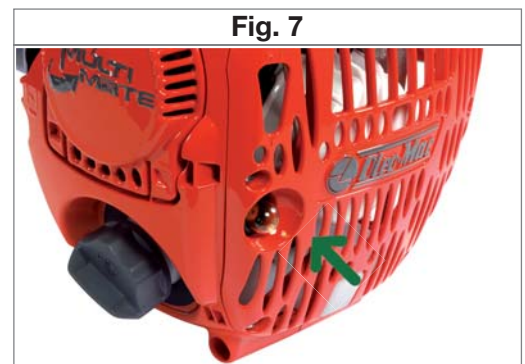
- **Sliding on/off switch:** allowing for maximum ease of use even with gloves on (Fig.5).



- **Built-in choke lever** (Fig. 6) and a **clearly visible, easily accessible primer** (Fig. 7) to facilitate starting in any conditions.



- **Transparent fuel tank** for checking the level at any time (Fig. 8).



- **Lightweight engine: less than 4 kg** for total comfort and manoeuvrability.



EASE OF MAINTENANCE

- **Filler cap** and **shape of fuel tank** specifically designed for easy filling and emptying (Fig. 9).



- **Snap-fit filter cover** for swift inspection and cleaning of the foam filter (Fig. 10).

Fig. 9



Fig. 10



MODEL		MULTIMATE
ENGINE		
TYPE		Emak 2-stroke
DISPLACEMENT	cm ³	30
BORE x STROKE	mm x mm	36 x 30
MAXIMUM POWER OUTPUT	HP/kW (rpm)	1 / 0,8 (6500)
IDLING SPEED	rpm	3000
MAXIMUM NO LOAD SPEED	rpm	10500
HOURLY FUEL CONSUMPTION (at max power output)	g/h (rpm)	350 (6500)
IGNITION SYSTEM		
TYPE		Capacitive
SPARK PLUG		Champion RCJ7Y or NGK BPMR 6A
COIL		Digital Selettra CSND
FUEL & LUBRICATION SYSTEM		
CARBURETTOR		Walbro WT 904
FUEL		Mix 4% (25:1) with PROSINT oil 2% (50:1)
FUEL TANK CAPACITY	l	0,37
AIR FILTER		Foam
PRIMER		YES
ERGONOMICS		
ANTI-VIBRATION SYSTEM		3 springs
HARNESS		Single, padded single shoulder
UPPER HANDGRIP		Covered with soft rubber
WEIGHT	kg	3,9

CONFORT

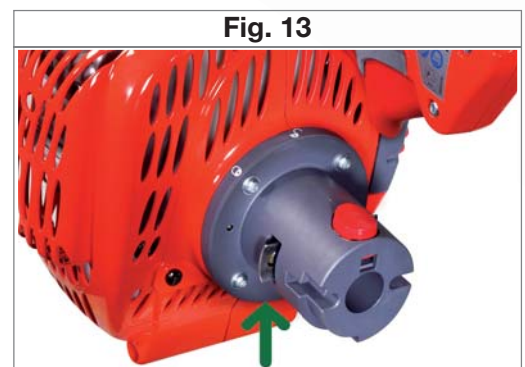
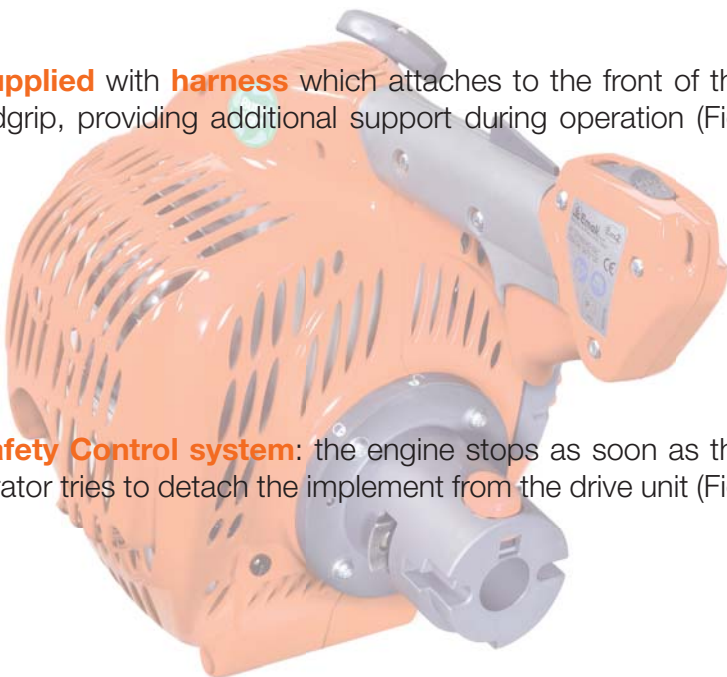
- **Ergonomic rubber handgrip** which absorbs vibrations: all controls are neatly arranged within easy reach (Fig. 11).



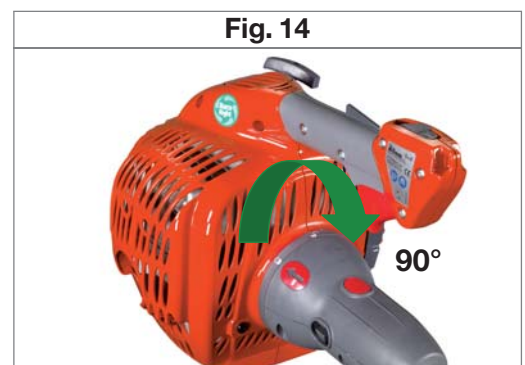
- **Supplied with harness** which attaches to the front of the handgrip, providing additional support during operation (Fig. 12).



- **Safety Control system**: the engine stops as soon as the operator tries to detach the implement from the drive unit (Fig. 13).



- **The implement can be locked in 2 positions (0° and 90°)** for maximum versatility of use (Fig. 14).

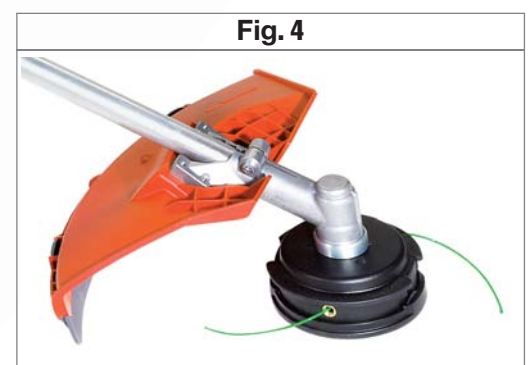


- **Multimate Easy Kit**: Exclusive and practical storage kit for stowing accessories and power unit in the smallest possible space.

BRUSHCUTTERS

The ideal tool for cutting grass, weeds, bushes and shrubs in areas not accessible with other machines. Essential both for cleaning and tidying private premises, and for clearing areas overgrown with untended vegetation.

- **Aluminium drive shaft Ø 22 mm** (internal rod Ø 6 mm).
- The **sturdy aluminium transmission box** with **helical-tooth gears** ensures a long lifetime and a lower weight of the accessory.
- Maximum comfort thanks to the **ergonomic** and **adjustable handgrip**, which can be adapted to suit the operator's stature (Fig. 2).
- Equipped with **"Tap and Go" head** (Fig. 3), for automatic Ø 2 mm line release, (4-blade steel disc optional).
- Provides a **cutting width of 40 cm** (Fig. 4) to ensure superior efficiency in any situation.



BRUSHCUTTER		
DRIVE PIPE	Ø mm	22
DRIVE SHAFT	Ø mm	6, Flexible
PIPE LENGTH	mm	1273,5
BEVEL GEAR PAIR (Reduction ratio)		0,79
FRONT HANDLE		Loop, Adjustable
HEAD CASING		Plastic
CUTTING DIAMETER	Ø cm	40
HEAD		Ø 109, Wire Ø 2 , M10 LH Female
DISC		4 Teeth (OPTIONAL)
APPLICATION WEIGHT / COMPLETE MACHINE WEIGHT	kg	2,3 / 6,2
SOUND PRESSURE (LpA EN 11806 - EN 22868)	dB(A)	90
SOUND POWER (LWA 2000/14/EC EN 22868 EN ISO 3744)	dB(A)	106
VIBRATION LEVEL (EN 11806 - 22867 - 12096)	m/s²	4.3 LH - 11 RH

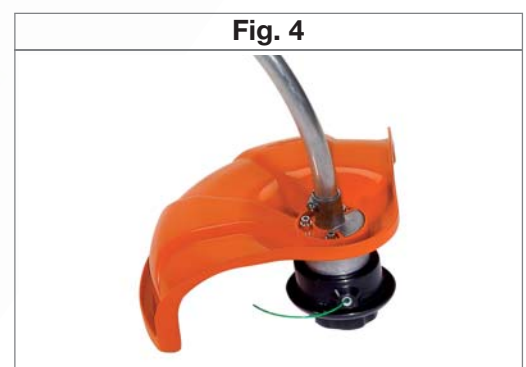
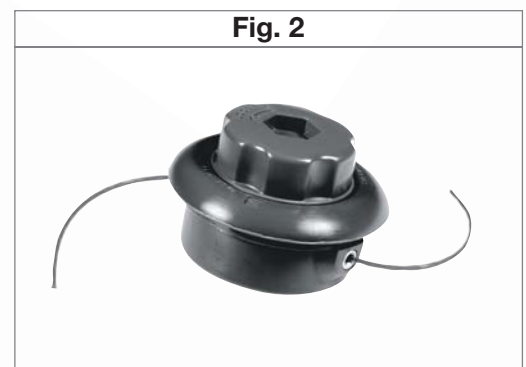
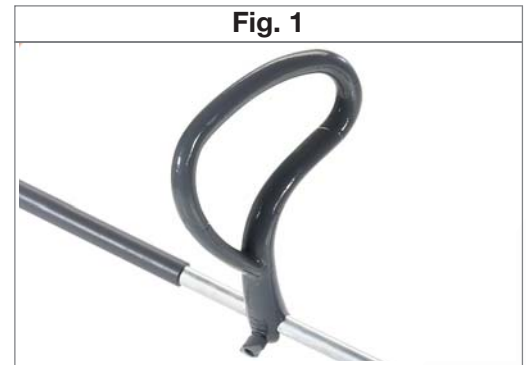
TRIMMER

The perfect implement for tending to less accessible corners of the garden, even those with obstacles.

- **Ergonomic handgrip** of new design: adjustable for adapting to different operator postures and ensuring maximum handling comfort at all times (Fig. 1).

- Equipped with **“Tap and Go” head** Ø 105 (Fig.2), for automatic Ø 2 mm Nylon line release, (4-blade steel disc optional).

- **Aluminium drive shaft** (Fig. 3) Ø 22 mm (internal rod Ø 6 mm).



TRIMMER		
DRIVE PIPE	Ø mm	22, Curved
DRIVE SHAFT	Ø mm	6, Flexible
PIPE LENGTH	mm	1274
FRONT HANDLE		Loop, Adjustable
HEAD CASING		Plastic
CUTTING DIAMETER	Ø cm	38
HEAD		Ø 105, Wire Ø 2, M8 LH Male
APPLICATION WEIGHT / COMPLETE MACHINE WEIGHT	kg	1,9 / 5,8
SOUND PRESSURE (LpA EN 11806 - EN 22868)	dB(A)	90
SOUND POWER (LWA 2000/14/EC EN 22868 EN ISO 3744)	dB(A)	106
VIBRATION LEVEL (EN 11806 - 22867 - 12096)	m/s²	5.8 LH - 10.7 RH

BLOWER

Practical and manoeuvrable, this implement is ideal for trouble-free removal of leaves, shrubs and garden debris. Particular attention paid to enhancing the comfort of the end user.

- **Duck-billed nozzle (standard)** (Fig. 1): directs the airflow with supreme precision, removing even wet leaves from the ground.

- **Powerful air jet** for maximum work efficiency in any conditions (Fig. 2).
(Air flow rate blowing: 600 m³/h. Maximum air speed: 60 m/s)

- Thanks to the **adjustable handgrip** (Fig. 3), the machine adapts to any type of posture.

- The machine's **light weight** and even distribution (5,5 kg) ensures optimum balance and extremely comfortable use (Fig. 4).

Fig. 1



Fig. 2



+Fig. 3



Fig. 4



BLOWER		
MAXIMUM AIR SPEED	m/s	60
AIR FLOW RATE - BLOWING	m ³ /h	600
DRIVE SHAFT	Ø mm	6, Flexible
FRONT HANDLE		Adjustable
APPLICATION WEIGHT / COMPLETE MACHINE WEIGHT	kg	1,6 / 5,5
SOUND PRESSURE (LpA pr EN 15503 - EN 22868)	dB(A)	90
SOUND POWER (LwA 2000/14/EC EN 22868 EN ISO 3744)	dB(A)	104
VIBRATION LEVEL (pr EN 15503 - 22867 - 12096)	m/s ²	3.9 LH - 8.2 RH

HEDGE CUTTER

The ideal tool for tidying bushes, hedges and ornamental features. Can be used to cut hedges over 1.5 metres in height with both feet planted firmly on the ground.

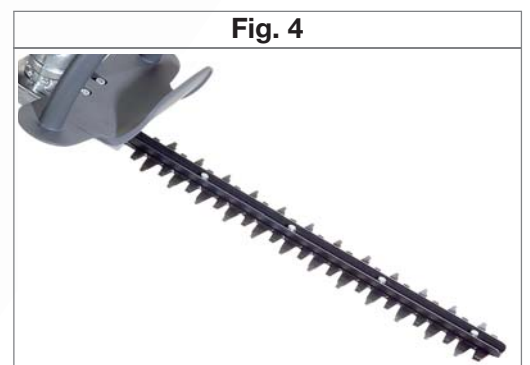
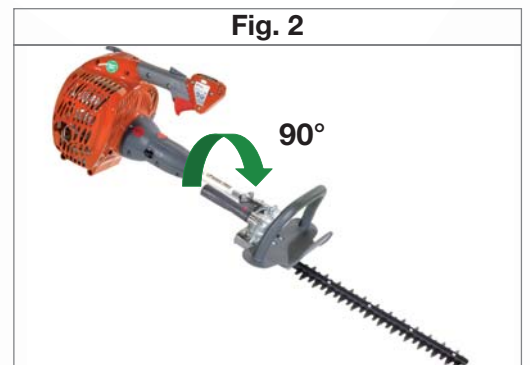
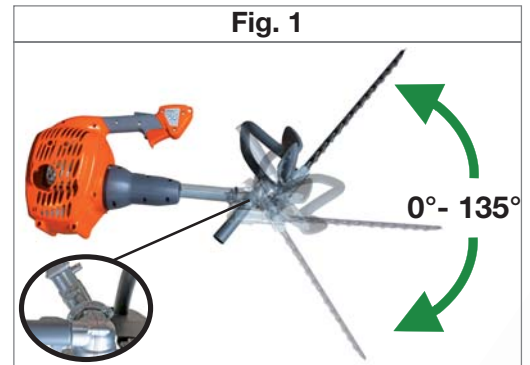
- **Extreme versatility** thanks to:

- **device for adjusting** the blade through **12 positions (from 0° to 135°)**, without the use of tools (Fig. 1);

- **2-position implement fitting** (0° and 90°), allowing for operation up against a wall (Fig. 2).

- The **gearbox** is made of **aluminium** to increase its durability and reduce the overall weight of the machine. Using **helical-tooth gears** also ensures maximum performance and a long lifetime (Fig. 3).

- The **steel blade** (Fig. 4) boasts a usable length of **600 mm** (Cutting width: 25 mm, Blade pitch: 30 mm).



HEDGETRIMMERS		
BLADE LENGTH	mm	600
BLADE PITCH	mm	25
ADJUSTABLE BLADES		12 positions (From 0° to 135°)
DRIVE SHAFT	Ø mm	6, Flexible
TRANSMISSION HOUSING		Aluminium
APPLICATION WEIGHT / COMPLETE MACHINE WEIGHT	kg	2,2 / 6,1
SOUND PRESSURE (LpA EN 774 - EN 22868)	dB(A)	92
SOUND POWER (LWA 2000/14/EC EN 22868 EN ISO 3744)	dB(A)	106
VIBRATION LEVEL (EN 774 - 22867 - 12096)	m/s²	6.3 LH - 8.2 RH

PRUNER

For pruning all kinds of tree branches and foliage up to three metres from the ground, to keep growth under control.

- The **10"** (25 cm) **OREGON bar** with 3/8" pitch provides safe and accurate branch cutting (Fig. 1).
- The **shaft arm** is **rubber coated** to ensure a safe grip and minimise the transmission of vibrations to the operator (Fig. 2)
- The **aluminium gearbox** and **helical-tooth gears** offer a long lifetime and lower total implement weight.
- The **semi-transparent chain oiler reservoir** enables the operator to read the oil level without removing the cap (Fig. 3)
- **Automatic** and **independent oil pump.**
- The **handgrip can be rotated by 90°** for a choice of two operating positions, enabling the bar to be adapted according to the branches to be pruned (Fig. 4).

Fig. 1



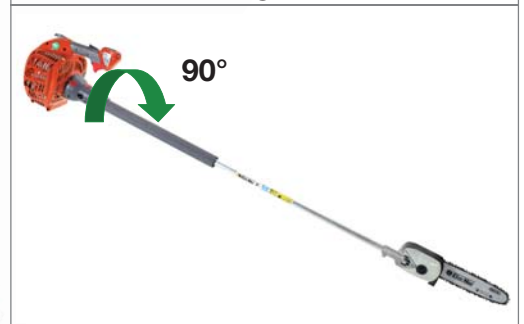
Fig. 2



Fig. 3



Fig. 4



PRUNER		
DRIVE PIPE	Ø mm	22
DRIVE SHAFT	Ø mm	6, Flexible
PIPE LENGTH	mm	1500
BAR LENGTH	mm	254 (10")
CHAIN THICKNESS STEP	mm	3/8" - 0.043"
OIL RESERVOIR CAPACITY	l	0
OIL PUMP		Independent
APPLICATION WEIGHT / COMPLETE MACHINE WEIGHT	kg	2,4 / 6,3
SOUND PRESSURE (LpA EN 11860 - EN 22868)	dB(A)	91
SOUND POWER (LWA 2000/14/EC EN 22868 EN ISO 3744)	dB(A)	105
VIBRATION LEVEL (EN 11860 - 22867 - 12096)	m/s²	6.1 LH - 11.9 RH



It's an **Emak S.p.A.** trademark Member of the Yama Group
Via E. Fermi, 4 • 42011 Bagnolo in Piano (Reggio Emilia) Italy
Tel. +39 0522 956611 • Fax +39 0522 951555
venditeitalia@oleomac.it • www.oleomac.it

