



## PRODUCT INFORMATION 2003

No.

DATE

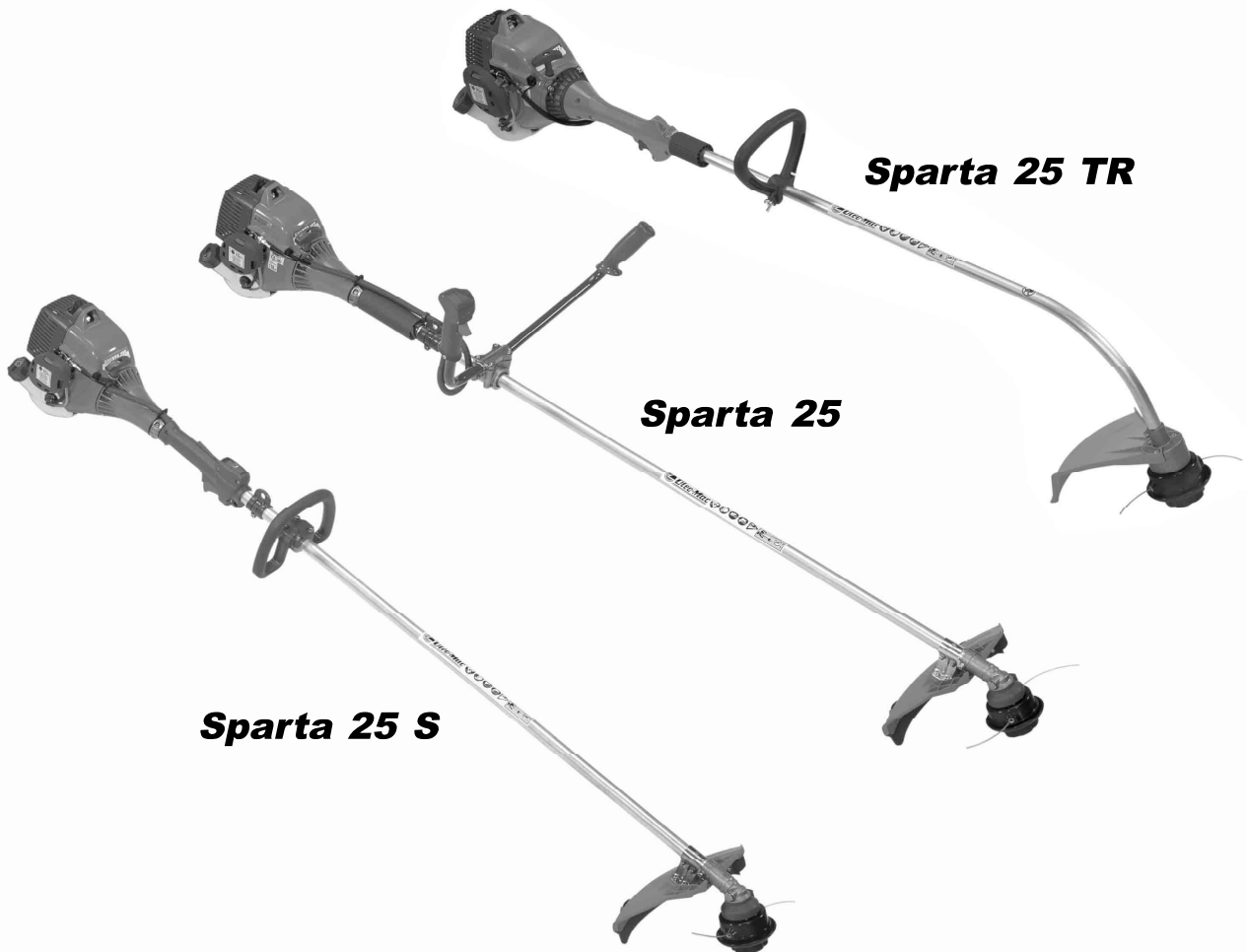
SUBJECT

42

02-2003

Brushcutters

## New Sparta 25 Brushcutters



### Description

For a market-oriented company, innovation provides a strategic tool by means of which to satisfy the needs of the consumer. It is with this in mind that **Oleo-Mac** has developed the new family of 25.4 cc. brushcutters. The new **SPARTA 25** range of machines replaces the current 720, 722S, 726S, SPARTA 26, SPARTA 26S and SPARTA 26TR and will be offered in three versions:

- **SPARTA 25 TR** (trimmer)
- **SPARTA 25 S** (loop handle)
- **SPARTA 25** (bike handle)

# Advantages

## ① ENGINE PERFORMANCE and TECHNICAL DESIGN SOLUTIONS

- *This powerful and dependable engine (1 HP/ 0.8 kW) has always been a reference point in the field of power machines for home use.*
- *Compact and lightweight engine with nickel chrome plated cylinder (Fig.1). Forged steel crankshaft and connecting rod.*
- *Electronic ignition guaranteeing top performance, easy starting, and long service life.*



fig.1

## ② EASE OF USE:

- *The new Sparta25 brushcutters are easy to start, even for inexperienced users. Fuel mix drawn into the carburettor by the PRIMER ("A" Fig.2), ensuring the engine can be pull-started with a minimum of fuss and effort.*
- *Easily accessible and serviceable air filter: housing opened simply by pressing a button to operate the retaining catch (Fig.3), so that no tools are required.*
- *Spark plug exposed to view and protected against breakage due to impact: only a spark plug wrench is required for cleaning and replacement purposes.*
- *Large capacity tank. Long hours operation guaranteed on each single fill, and simple refuelling.*
- *Generously proportioned filler cap (Fig.3), allowing easy release of the fuel filter for inspection / cleaning / replacement purposes.*

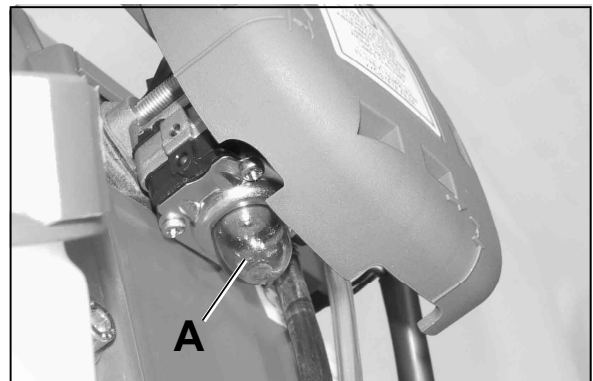


fig.2



fig.3

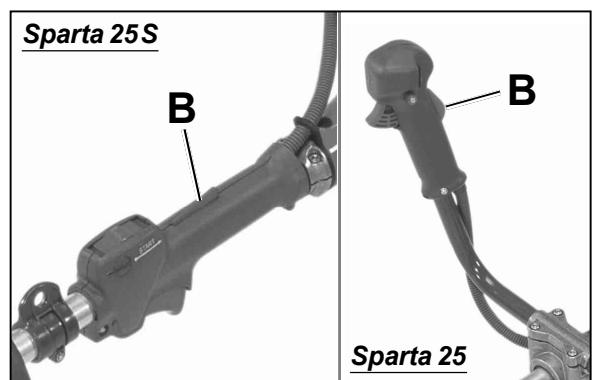


fig.4

## Advantages

### ③ SAFETY and STRENGTH:

- These new brushcutters respond fully to current safety standards, with an ergonomically designed handle incorporating all the controls: throttle, start and stop switch.  
SPARTA 25 and SPARTA 25S models have throttle safety lock mechanism ("B" Fig.4), preventing accidental acceleration.
- Centrifugal clutch with sintered metal shoes and special friction surfaces (also standard issue for SPARTA 25TR model), designed to withstand even prolonged periods of operation (Fig.5).
- All-aluminium tube (Ø22 on SPARTA 25TR model, Ø26 on SPARTA 25 and SPARTA 25S) guaranteeing optimum strength combined with minimal weight, for maximum advantage.
- Fuel tank protected from accidental impact by a reinforcing guard ("C" Fig.6).

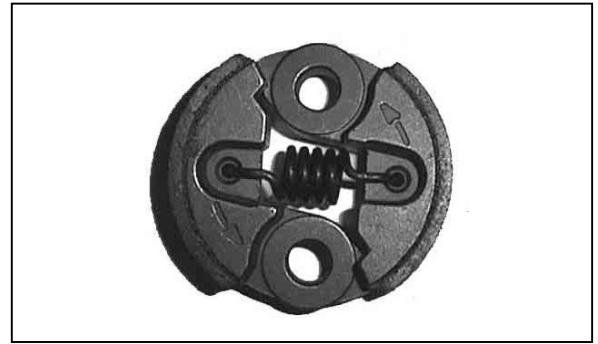


fig.5

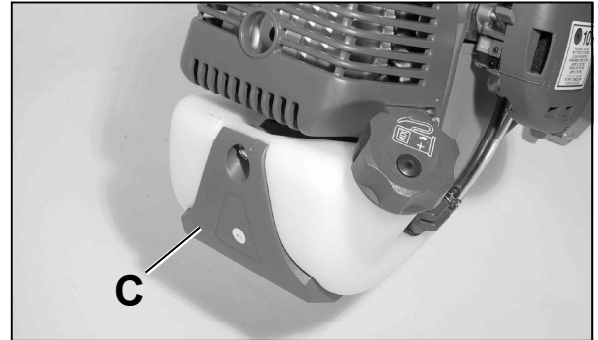


fig.6

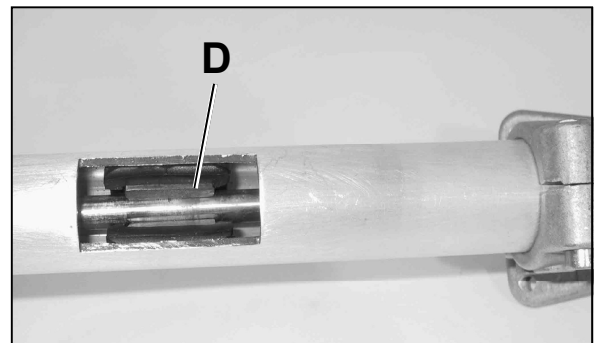


fig.7

### ④ COMFORT:

- Vibrations reduced to a minimum thanks to the adoption of:
  - five self-lubricating bushes mounted internally of the transmission tube ("D" Fig.7)
  - antivibration mount on the engine shroud
  - antivibration mount on the bike handle clamp bracket (SPARTA 25 only, "E" Fig.8)
- SPARTA 25TR model featuring flexible steel drive with special full-length sheath ("F" Fig.9), which eliminates uncomfortable vibrations and extends the working life of the machine.
- Transparent tank shows the fuel level permanently, eliminating guesswork.
- Handle with coupling point for harness (optional on SPARTA 25TR model).

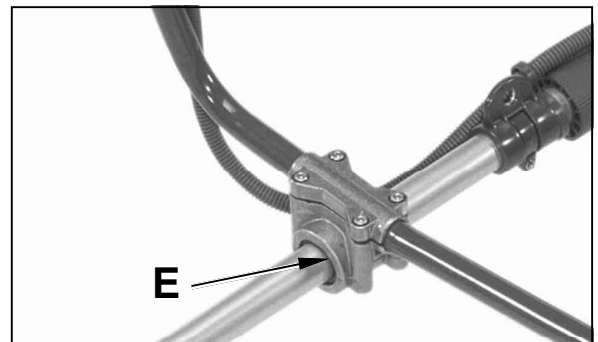


fig.8

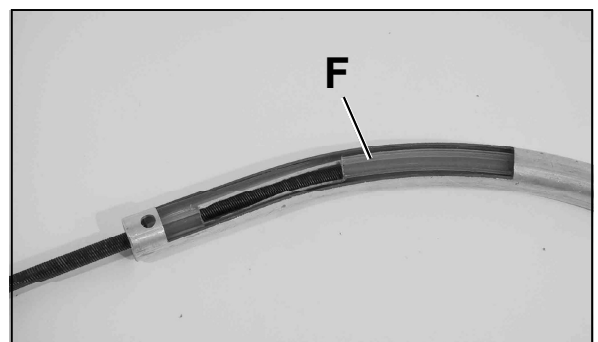


fig.9



# "Sparta 25"



## Technical specifications

MODEL		SPARTA 25TR	SPARTA 25S	SPARTA 25
<b>ENGINE</b>				
TYPE		Emak 2-stroke		
DISPLACEMENT	cm <sup>3</sup>	25,4		
BORE	mm	34		
STROKE	mm	28		
POWER	HP/kW (min <sup>-1</sup> )	1/0,8 (6700)		
<b>IGNITION SYSTEM</b>				
TYPE		Electronic, capacitive discharge		
SPARK PLUG		Champion RCJ-7Y / Enker FSC 75PR		
<b>FUEL AND LUBRICATION SYSTEM</b>				
CARBURETTOR		Walbro WYL 159A with diaphragm		
FUEL		Mix 4% (25:1) - with Oleo-Mac <b>PROSINT</b> oil 2% (50:1)		
FUEL TANK CAPACITY	l	0,75		
PRIMER		Yes		
<b>TRANSMISSION SYSTEM</b>				
TRANSMISSION TUBE ( Ø )	mm	22	26	26
BEVEL GEAR PAIR (TRANSMISSION RATIO)	cm <sup>3</sup>	—	1,375 : 1	1,375 : 1
<b>FRONT HANDLE</b>		Single	Single	Twin
<b>CUTTER GUARD</b>		Plastic with blade		
<b>ANTIVIBRATION MOUNTS</b>		—	On engine	On engine and handle
<b>HARNESS</b>		—	Single	Single
<b>CUTTING SWATH</b>	cm	38	38	38
<b>STANDARD NYLON HEAD</b>		"Tap-n-go" Ø 105 mm dual nylon line Ø 2 mm (female insert)	"Tap-n-go" Ø 105 mm dual nylon line Ø 2 mm (male insert)	"Tap-n-go" Ø 105 mm dual nylon line Ø 2 mm (male insert)
<b>STANDARD BLADES</b>		—	—	4 teeth Ø 230 mm
<b>WEIGHT ( Without cutters and guard )</b>	Kg	4,5	5,6	6,2



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