



PRODUCT INFORMATION *2000*

No.	DATE	SUBJECT
19	02-2000	Brushcutters

New brushcutters

746S - 746T - 446BP - 753S - 753T - 755 Master



Description

Reflecting our policy of continuing product renewal, the Oleo-Mac range now includes two new power

units: 45.7 cm³ (746S - 746T - 446BP) and 52.5 cm³ (753S - 753T - 755 Master).

Position in range

The new model **746** is offered in two versions S and T and slots in between the 740 and the 750, make the Oleo-Mac range still more comprehensive.

The **446BP** shoulder type will replace the 450BP (production end February 2000).

The model **753**, in two versions S and T, will replace the 750 (production end December 1999) and the **755 Master** will replace the 750 Master (production end March 2000).

Advantages

① ENGINE PERFORMANCE AND TECHNICAL SOLUTIONS:

- With their improved performance, the new engines are comparable with the best on the market for power output, giving 2.4 HP (45.7 cm³) and 2.8 HP (52.5 cm³), and yet retaining that flexibility typical of a performance curve combining high maximum torque with sustained running torque at low rpm. This is because the machine was designed specifically as a brush cutter and not derived from chainsaws.
- Superior performance with no increase in weight, resulting in one of the best power-to-weight ratios available on the market.
- Diecast cylinder with special internal treatment, diamond-machined piston with 2 rings, forged steel connecting rod, forged crankshaft with 2 counterweight; all these are features guaranteeing great strength and durability.

DEVELOPMENTS IN 2000					CURRENT SITUATION				
Model	cm ³	Weight (kg)	HP (kW)	Power/weight ratio (kg/kW)	Model	cm ³	Weight (kg)	HP (kW)	Power/weight ratio (kg/kW)
746 S	45.7	7.2	2.4 (1.76)	4.09	---	---	---	---	---
746 T	45.7	8	2.4 (1.76)	4.54	---	---	---	---	---
446 BP	45.7	10.5	2.4 (1.76)	5.97	450 BP	50.1	11.2	2.16 (1.58)	7.08
753 S	52.5	7.3	2.8 (2.06)	3.54	750 S	50.1	7.4	2.16 (1.58)	4.68
753 T	52.5	8.1	2.8 (2.06)	3.93	750 T	50.1	8.2	2.16 (1.58)	5.19
755 Master	52.5	8.8	2.8 (2.06)	4.27	750 Master	50.1	8.7	2.16 (1.58)	5.5

② EASY TO USE:

- “Lift-starter” system ensures that the starter is deactivated automatically when the throttle control is at full travel, so that even an non expert user cannot flood the engine (Fig.1).
- Primer facilitates starting, especially from cold.
- Vibrations reduced to the minimum by an anti-vibration system and 6 self-lubricating bearings in the transmission.
- 1.4 litre capacity fuel tank (Fig.2) assures long hours cutting without interruption.
- Fuel tank separate from the engine prevents overheating of fuel (Fig.2).
- Master version: ideal for prolonged use thanks to a professional anti-vibration system with engine and handlebar isolated by 4 rubber dampers. The handlebar can be adjusted to suit the operator and has 4 positions for attachment to the straps.
- Newly designed fuel tank breather makes no contact with the fuel, eliminating the risk of fuel spills, even accidental (Fig.3).



Fig. 1



Fig. 2

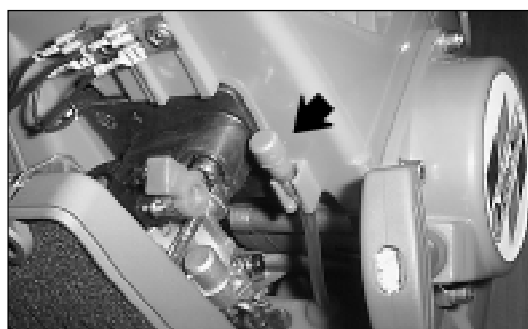


Fig. 3

Advantages

- *Maximum comfort with the new 30° bevel gear and new handgrip, which allow the operator to keep a more upright posture in the case of versions 746S and 753S (Fig.4).*



Fig. 4

③ **EQUIPMENT PACKAGES:**

- *Standard equipment includes a 3 tooth blade 300 mm, gauge 3 mm (Fig.5), and a "Tap-N-Go" head, size Ø 160 mm (3.3 mm line) for the Master version and Ø 130 mm (3.0 mm line) on other models.*

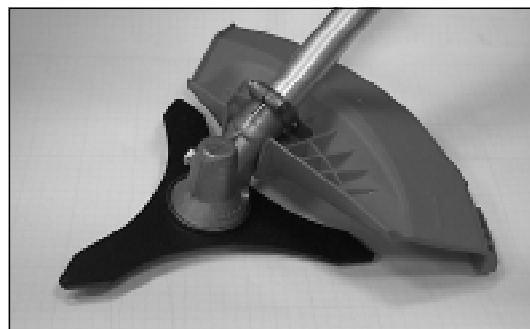


Fig. 5

④ **SAFETY:**

New brushcutters are designed in accordance with current safety directives:

- *The handgrip incorporates a "chainsaw type" throttle latch, a safety device preventing involuntary acceleration (Fig.6).*
- *The cutter guard and safety shield ("S" version) conform to CE standards.*

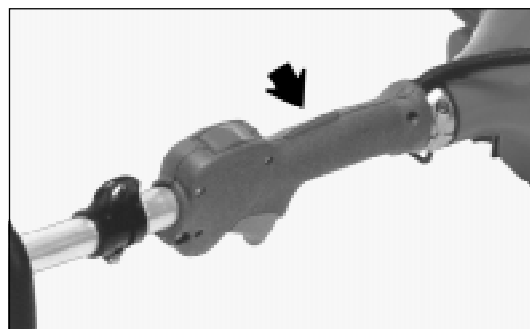


Fig. 6

⑤ **COMFORT:**

- *New foam air cleaner rated 80 PPI, ensuring high filtration capacity (Fig. 7).*
- *Professional carburettor model WYK equipped with lift-starter and primer to facilitate starting.*
The new carburettor also comply with EPA standards on exhaust emissions, already effective in U.S.A. and to be adopted in Europe within the next few years.



Fig. 7

Technical features

MODEL	746 S	746 T	460 BP	753 S	753 T	755 Master
Engine	2 stroke Emak					
Displacement - cm ³		45.7			52.5	
Bore x stroke - mm		42 x 33			45 x 33	
Power (HP/kW) - min ⁻¹		2.40 / 1.76 (7500)			2.80 / 2.06 (7500)	
Fuel	Mix 4% (25:1) - with Oleo-Mac PROSINT oil 2% (50:1) - with Oleo-Mac eXtrasint oil 1% (100:1)					
Fuel tank capacity - l	1.4					
Ignition type	Electronic					
Spark plug type	Champion RCJ-7Y					
Carburetor	Diaphragm Walbro WYK-104 with Primer					
Transmission tube - Ø mm	28	32		28		32
Bevel gears (Gear box ratio)	1.375					
Handle	Loop	Twin		Loop		Twin
Shock absorbers	On engine	Engine + Twin		Back-Pack	On engine	Engine + Twin
Cutting guard				Plastic with knife		nr. 4 in rubber
Harness	Single	Double		Back-Pack	Single	Double
Standard cutting tools	"Tap 'n go" nylon head Ø 3.0 mm (Ø 3.3 mm x Master) + 3 tooth blade Ø 12"/300 mm gauge 3 mm					
Usable cutting tools (standard guard)	2 - 3 - 4 - 8 tooth blade					
Usable cutting tools (aluminium guard)	22 - 60 - 80 tooth disks					
Noise pressure (ISO 7917) dB (A)	Disk 91 Nylon head 101	Disk 91 Nylon head 101	Disk 91 Nylon head 100	Disk 93 Nylon head 101	Disk 93 Nylon head 101	Disk 93 Nylon head 100
Noise power (ISO 10884) dB (A)	Disk 103 Nylon head 112	Disk 103 Nylon head 112	Disk 103 Nylon head 111	Disk 105 Nylon head 113	Disk 105 Nylon head 113	Disk 105 Nylon head 113
Vibrations - ISO 7916 (m/s ²)	SX 3.7 Ny.head 3.8	DX 5.4 6.0	SX 3.4 Ny.head 3.2	DX 5.7 5.2	SX 2.6 Ny.head 3.4	DX 3.7 Ny.head 3.3
Weight (without tool and guard - kg)	7.2	8.0	10.5	7.3	8.1	8.8



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