

Product Information

Language	INGLESE
Nr.	180
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Subject	SPARTA 440 S - 440 T EURO 2



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

NEW SPARTA 440 S - 440 T (EURO2) BRUSHCUTTER

Mod. SPARTA 440 S



Mod. SPARTA 440 T

The new Sparta 440 brushcutter is designed to offer high efficiency and unfaltering quality over time, even in the face of heavy and prolonged use. The new professional 2-stroke engine, alluminium drive shaft (Ø 28 mm) with steel shaft (Ø 8 mm), 6 flexible bushings, 3 teeth disc cutter. The machine incorporates numerous features and is ideal for tough jobs like cutting thick grass, clearing brushwood, and thinning reed beds. Every detail has been designed with care to render brushcutting duties easy and effortless, even for the inexperienced user, the pluses are:

- High performance, for maximum productivity
- Accuracy of cut, avoiding damage to vegetation around the work area and obtaining best possible results
- Total comfort, with muscle fatigue minimized both when starting the machine and during prolonged use. It allows an ergonomically correct posture for the operator
- Ease of use, allowing even comparative novices to operate the equipment ultra-simply and in complete safety.
- Low fuel consumption and low emissions, for minimal environmental impact
- Easy maintenance for quick machine check-up and intervention.

PERFORMANCE AND ENGINEERING SOLUTIONS

- **Professional 2-stroke engine** with capacitive electronic ignition: guarantees high performance, easy starting, long life, and compliance with EURO 2.

- **Piston with 2 rings**, and **nickel-plated cylinder**: constant efficiency assured over time, even in tough operating conditions (Fig 1).

- **0.87 litre fuel tank capacity**, together with low specific fuel consumption, extends the intervals between refuelling stops (over 1 hour).

- **Cloth air filter** element edged with elastomer: guaranteed more effective, especially in dust-laden environments, and simplifies maintenance (Fig 2).

- **Ø 28 mm transmission** with **8 mm steel shaft** carried in **6 flexible bushings** ensures strong resistance to stresses, reducing vibrations (Fig 3).

- **Flywheel** designed to guarantee smoother operation of engine and better cooling even in adverse weather conditions (high temperatures).

- For extended working life the machine features a high strength **aluminium shroud** (Fig 4), that is ideal for heavy duty working conditions.

Fig. 1



Fig. 2



Fig. 3



Fig. 4



EASE OF USE

- **"Primer"** ensures easy starting from cold, after refuelling, or following lengthy idle periods (Fig 5).

Fig. 5



- **Shaped tube** protects the spark plug from impact and prevents the escape of cooling air, improving its effectiveness (Fig 6).

Fig. 6



- **Handgrip** with **palm-operated** safety switch: ensures the trigger cannot be activated accidentally (Fig 7).

Fig. 7



- **Throttle trigger, palm-operated safety switch** and **on/off lockout switch** all incorporated into the grip, immediately to hand (Fig 7).

- **The new pulley and two pawl aluminium thrower** offer greater wear resistance and makes maintenance easier (Fig 8).

Fig. 8



COMFORT

- Pull-start handle of **new design** minimizes effort and discomfort when starting the machine (Fig 9).



- **"Primer"** positioned on engine cowling rather than beneath the carburettor, for improved access and easier operation (Fig 10).



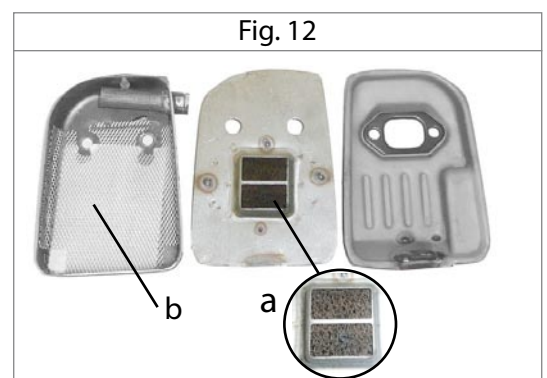
- **Exhaust pipe** designed to carry hot gases toward the rear of the machine, eliminating any possibility of bodily contact with operator.

- **Engine completely isolated from shaft** by anti-vibration mounts: reduction of vibration through the machine.



- **Double harness**, ergonomically contoured: designed to facilitate operations even on slopes and slippery surfaces (Fig 11).

- **Sound-proofed muffler** (Fig. 12b) with **catalytic converter** (Fig. 12a) designed to reduce pollution of non-combustible hydrocarbons and for silent operation.



EASE OF MAINTENANCE

- **One-piece engine and silencer cowlings:** inspection made easy with only 3 screws to undo (Fig 13).

Fig. 13



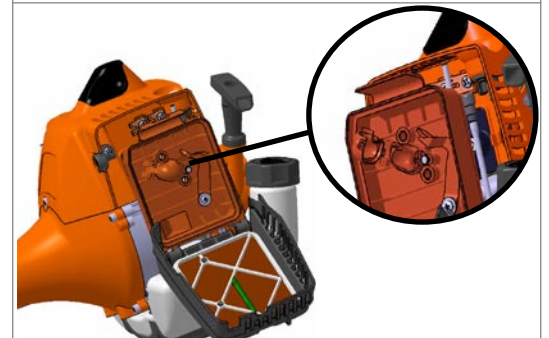
- **Snap-fit filter cover:** no tools required for inspection and replacement of filter element (Fig 14).

Fig. 14



- **Air filter support with integrated and patented 'fluid diode'** (Fig 15), (it prevents the fuel to moist the cloth air filter): better working autonomy and longer intervals between cleaning operations.

Fig. 15



- **Bevel gear with M10 male shaft** (Fig 16), improving the robustness of the transmission even in the toughest working condition.

Fig.16



TECHNICAL SPECIFICATIONS

MODEL	SPARTA 440 S		SPARTA 440 T	
ENGINE				
TYPE		2 stroke Emak (EURO 2 with catalytic converter)		
DISPLACEMENT	cm³	40,2		
BORE x STROKE	mm x mm	40 x 30		
MAX POWER	HP/kW (rpm)	2,1 / 1,6 (7500)		
MAX TORQUE	Nm (rpm)	2,08 (5500)		
IDLE RPM	rpm	2800		
MAX RPM AT NO LOAD	rpm	11700		
FUEL CONSUMPTION (max power)	g/h (rpm)	750 (7500)		
IGNITION SYSTEM				
TYPE		Capacitive electronic		
SPARK PLUG		Champion RCJ7Y o NGK CMR7H		
FUEL AND LUBRICATION SYSTEM				
CARBURETTOR		WALBRO		
FUEL		Mix 4% (25:1) - with PROSINT 2% (50:1)		
FUEL TANK CAPACITY	l	0,87		
AIR FILTER		Cloth + air filter support with integrated 'fluid diode'		
PRIMER		Yes		
TRANSMISSION SYSTEM				
DRIVE SHAFT (Ø)	mm	28 with steel shaft Ø 8		
ROD LENGTH	mm	1500		
BEVEL GEAR PAIR (TRANSMISSION RATIO)		with M10 male shaft (1,375 : 1)		
CLUTCH		Centrifugal (4100 rpm clutch engagement)		
SAFETY				
NOISE PRESSURE (LpA av EN11806 - EN 22868)	dB(A)	Disc 98 - Head 100		Disc 98 - Head 100
NOISE POWER (LwA 2000/14/EC EN 22868 EN ISO 3744)	dB(A)	Disc 110 - Head 116		Disc 110 - Head 116
VIBRATION LEVEL (EN 11806 EN 22867 EN 12096)	m/s²	Disc 6,0 sx 5,5 dx - Head 5,7 sx 6,2 dx		Disc 5,1 sx 5,8 dx - Head 3,7 sx 5,4 dx
ERGONOMICS				
HARNESS		Single and ergonomic		Double and ergonomic
FRONT HANDLE		Loop		Handlebar
REAR HANDLE		Standard with safety switch		-
ANTI-VIBRATION SYSTEM		On the transmission tube		
CUTTING SYSTEM				
DISC CUTTER		Steel disc cutter with 3 teeth Ø 10" / 255 mm, thickness1,8 mm		
HEAD with nylon line		Tap's and go head Ø 130 M10 F x 1,25sx, line Ø 3,0 mm		
CUTTING GUARD		In plastic		
WEIGHT (Without cutters and guard)	kg	6,9		7,4
WEIGHT POWER RATIO	kg/kW	4,3		4,6



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