



## PRODUCT INFORMATION 2000

No.	DATE	SUBJECT
19	02-2000	Brushcutters

### **New brushcutters**

**8460IC - 8460 - 8465 - 8530IC - 8530 - 8550  
Boss**



#### **Description**

Reflecting our policy of continuing product renewal, the Efco range now includes two new

power units: 45.7 cm<sup>3</sup> (8460IC - 8460 - 8465) and 52.5 cm<sup>3</sup> (8530IC - 8530 - 8550 Boss).

#### **Position in range**

The new model **8460**, in two versions IC and Twin, will replace the 8420 (production end April 2000).

The **8465** shoulder type will replace the 8425 (production end December 1999) and the 8515 (production end December 1999).

The model **8530**, in two versions IC and Twin, will replace the 8510 (production end February 2000) and the **8550 Boss** will replace the 8510 Boss (production end December 1999).

# 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 cm<sup>3</sup>) and 2.8 HP (52.5 cm<sup>3</sup>), 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 <sup>3</sup>	Weight (kg)	HP (kW)	Power/weight ratio (kg/kW)	Model	cm <sup>3</sup>	Weight (kg)	HP (kW)	Power/weight ratio (kg/kW)
8460 IC	45.7	7.2	2.4 (1.76)	4.09	8420 IC	41.4	7.3	1.8 (1.32)	5.53
8460	45.7	8	2.4 (1.76)	4.54	8420	41.4	8.1	1.8 (1.32)	6.14
8465	45.7	10.5	2.4 (1.76)	5.97	8425	41.4	9.6	1.8 (1.32)	7.27
8530 IC	52.5	7.3	2.8 (2.06)	3.54	8515	50.1	11.2	2.16 (1.58)	7.09
8530	52.5	8.1	2.8 (2.06)	3.93	8510 IC	50.1	7.4	2.16 (1.58)	4.68
8550 Boss	52.5	8.8	2.8 (2.06)	4.27	8510	50.1	8.2	2.16 (1.58)	5.19
					8510 Boss	50.1	8.5	2.16 (1.58)	5.38

## 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 a 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).
- Boss 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

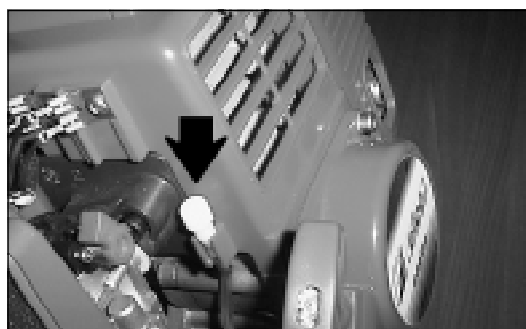


Fig. 3

## 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 8460IC and 8530IC (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 Boss version and Ø 130 mm (3.0 mm line) on other models.*

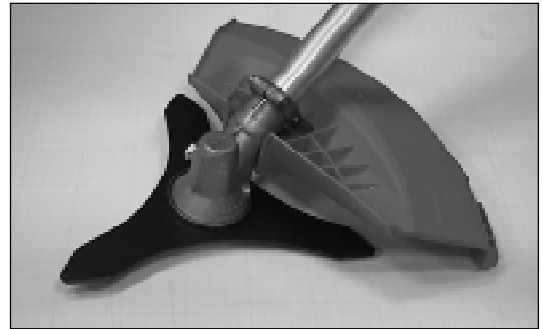


Fig. 5

### 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 ("IC" version) conform to CE standards.*

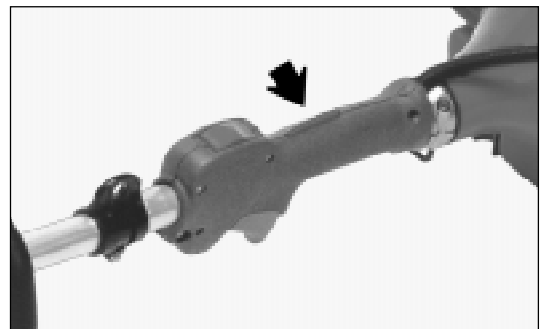


Fig. 6

### 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.*

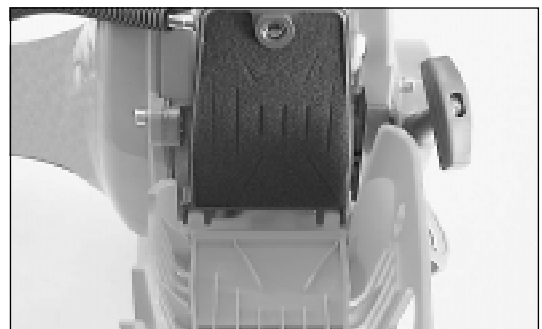


Fig. 7

# Technical features

MODEL	8460 IC	8460	8465	8530 IC	8530	8550 Boss
Engine			2 stroke Emak			
Displacement - cm <sup>3</sup>		45.7			52.5	
Bore x stroke - mm		42 x 33			45 x 33	
Power (HP/kW) - min <sup>-1</sup>		2.40 / 1.76 (7500)			2.80 / 2.06 (7500)	
Fuel		Mix 4% (25:1) - with Efco PROSINT oil 2% (50:1) - with Efco 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	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	nr. 4 in rubber
Cutting guard			Plastic with knife			
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 Nylon head 91 101	Disk Nylon head 91 101	Disk Nylon head 91 100	Disk Nylon head 93 101	Disk Nylon head 93 101	Disk Nylon head 93 100
Noise power (ISO 10884) dB (A)	Disk Nylon head 103 112	Disk Nylon head 103 112	Disk Nylon head 103 111	Disk Nylon head 105 113	Disk Nylon head 105 113	Disk Nylon head 105 113
Vibrations - ISO 7916 (m/s <sup>2</sup> )	SX 3.7 3.8	SX 6.1 6.0	SX 3.4 3.2	SX 5.7 5.2	SX 2.6 3.4	SX 3.7 3.3
Weight (without tool and guard - kg)	4.9 7.2	5.4 8.0	2.5 10.5	5.5 7.3	5.4 8.1	4.7 8.8



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