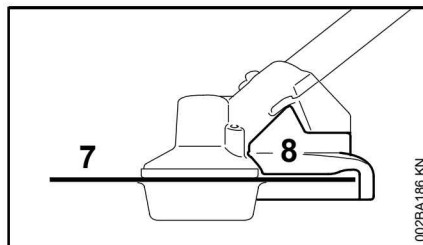


## Specifications

### Definitions

- 1. Mowing head**  
The cutting attachment, i. e. mowing head, for different purposes (special accessory).
- 2. Deflector**  
The deflector is designed to reduce the risk of injury from foreign objects flung backwards toward the operator by the cutting tool and from contact with the cutting tool.
- 3. Line limiting blade**  
Metal blade at the deflector in order to keep the line of the mowing head at the proper length.
- 4. Deflector with skirt**  
The deflector is designed to reduce the risk of injury from foreign objects flung backwards toward the operator by the cutting tool and from contact with the cutting tool. Is not designed to contain fragmented metal blades.
- 5. Skirt**  
The skirt at the bottom of the deflector must be adjusted as described in the chapters on mounting the various cutting tools.
- 6. Metal mowing tool**  
The cutting attachment, i. e. blade, made from metal for different purposes (special accessory).



- 7** Circular Saw Blade
- 8** Limit Stop (for circular saw blade only)

### Definitions

- 7. Circular Saw Blade**  
Cutting tool made of metal for cutting wood.
- 8. Limit Stop**  
Is designed to position the brushcutter steady against the wood in order to reduce the risk of injury from loss of control from reactive forces such as thrust out.

### Engine

#### EPA:

The Emission Compliance Period referred to on the Emissions Compliance Label indicates the number of operating hours for which the engine has been shown to meet Federal emission requirements.

Category A = 300 hours, B = 125 hours, C = 50 hours

#### CARB:

The Emission Compliance Period used on the CARB Air Index Label indicates the terms:

Extended = 300 hours  
Intermediate = 125 hours  
Moderate = 50 hours

Single cylinder two-stroke engine

Displacement:	1.55 cu.in (25.4cm <sup>3</sup> )
Bore:	1.34 in (34 mm)
Stroke:	1.10 in (28 mm)
Power according to ISO 8893:	1.3 bhp (0.95 kW)
Idle speed:	2,800 rpm
Engine cutoff speed (nominal):	10,500 rpm

## Special Accessories

Max. speed of  
output shaft (cutting  
tool mounting) 7,500 rpm

### Ignition System

Type: Electronic magneto ignition

Spark plug  
(suppressed): Bosch WSR 6 F,  
NGK BPMR 7 A  
or Champion  
RCJ 6Y

Electrode gap: 0.02 in (0.5 mm)

Spark plug thread: M 14 x 1.25;  
0.37 in (9.5 mm)  
long

### Fuel System

Carburetor: All position diaphragm  
carburetor with integral fuel pump

Air filter: Foam and felt  
elements

Fuel tank capacity: 0.93 US.pt  
(0.44 l)

Fuel mix: See "Fuel"

### Rewind Starter

Starter rope:  
0.11 in (2.7 mm) dia. x  
35.8 in (910 mm) long

### Weight

without cutting tool and deflector

FS 80 R <sup>1)</sup> 10.8 lb (4.9 kg)

FS 80 <sup>2)</sup> 11.5 lb (5.2 kg)

FS 85 R <sup>1)</sup> 11.0 lb (5.0 kg)

FS 85 <sup>2)</sup> 11.7 lb (5.3 kg)

FS 85 RX <sup>1)</sup> 10.6 lb (4.8 kg)

<sup>1)</sup> Version with loop handle

<sup>2)</sup> Version with bike handle

Contact your STIHL dealer for  
information regarding special  
accessories that may be available for  
your product.