

Specifications

Engine

Single cylinder two-stroke engine

FS 460 C:

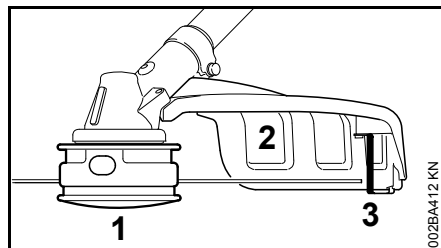
Displacement:	45.6 cc
Bore:	44 mm
Stroke:	30 mm
Engine power to ISO 8893:	2.2 kW (3.0 bhp) at 9,500 rpm
Idle speed:	2,700 rpm
Cut-off speed (rated):	12,300 rpm
Max. output shaft speed (cutting attachment):	8,870 rpm

FS 490 C

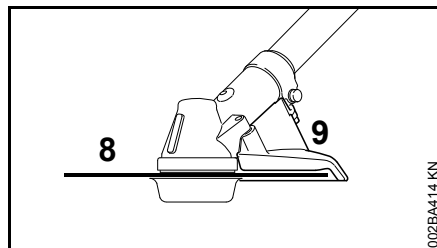
Displacement:	51.6 cc
Bore:	44.7 mm
Stroke:	32.9 mm
Engine power to ISO 8893:	2.4 kW (3.3 bhp) at 9,500 rpm
Idle speed:	2,500 rpm
Cut-off speed (rated):	12,300 rpm
Max. output shaft speed (cutting attachment):	8,870 rpm

Ignition System

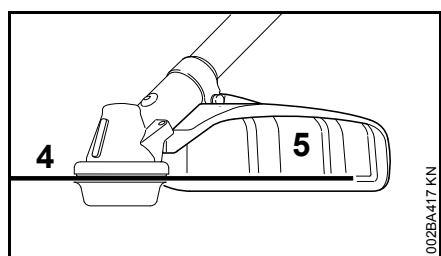
Electronic magneto ignition



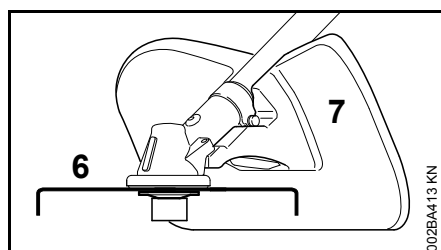
- 1 Mowing head
- 2 Deflector for mowing heads only
- 3 Blade



- 8 Circular Saw Blade
- 9 Limit stop (for circular saw blades only)



- 4 Metal mowing attachment
- 5 Deflector (for metal mowing attachments only)



- 6 Shredder blade
- 7 Shredder deflector (only for shredding with shredder blades)

English

FS 460 C

Spark plug (resistor type): NGK CMR6H
Bosch USR4AC
Electrode gap: 0.5 mm

FS 490 C

Spark plug (resistor type): NGK BPMR7A
Electrode gap: 0.5 mm

Fuel System

All position diaphragm carburetor with integral fuel pump

Fuel tank capacity:

FS 460 C 750 cc (0.75 l)
FS 490 C 990 cc (0.99 l)

Weight

Dry, without cutting attachment and deflector

FS 460 C-EM: 8.5 kg
FS 460 C-EM L: 8.6 kg
FS 490 C-EM: 9.1 kg
FS 490 C-EM L: 9.2 kg
FS 490 C-EM W: 9.3 kg

Overall length

without cutting attachment

FS 460 C-EM: 1790 mm
FS 460 C-EM L: 1850 mm
FS 490 C-EM: 1795 mm
FS 490 C-EM L: 1855 mm
FS 490 C-EM W: 1795 mm

Features

C Convenience features
E ErgoStart
M M-Tronic
L Long drive tube
W Handle heating
Z Fireproof equipment

Noise and Vibration Data

Noise and vibration data measurements on FS units include idling and rated maximum speed with the same duration of exposure.

For further details on compliance with Vibration Directive 2002/44/EC see www.stihl.com/vib/

Sound pressure level L_{peq} to ISO 22868

with mowing head
FS 460 C-EM: 101 dB(A)
FS 460 C-EM L: 101 dB(A)
FS 490 C-EM: 102 dB(A)
FS 490 C-EM L: 102 dB(A)
FS 490 C-EM W: 102 dB(A)
with metal mowing attachment
FS 460 C-EM: 100 dB(A)
FS 460 C-EM L: 100 dB(A)
FS 490 C-EM: 102 dB(A)
FS 490 C-EM L: 102 dB(A)
FS 490 C-EM W: 102 dB(A)

Sound power level L_{weq} to ISO 22868

with mowing head
FS 460 C-EM: 110 dB(A)
FS 460 C-EM L: 110 dB(A)
FS 490 C-EM: 112 dB(A)
FS 490 C-EM L: 112 dB(A)
FS 490 C-EM W: 112 dB(A)
with metal mowing attachment
FS 460 C-EM: 110 dB(A)
FS 460 C-EM L: 110 dB(A)
FS 490 C-EM: 113 dB(A)
FS 490 C-EM L: 113 dB(A)
FS 490 C-EM W: 113 dB(A)

Vibration measurement $a_{hv,eq}$ to ISO 22867

with mowing head	Handle, left	Handle, right
FS 460 C-EM:	2.5 m/s ²	2.1 m/s ²
FS 460 C-EM L:	2.1 m/s ²	2.3 m/s ²
FS 490 C-EM:	3.7 m/s ²	3.7 m/s ²
FS 490 C-EM L:	3.7 m/s ²	3.7 m/s ²
FS 490 C-EM W:	3.7 m/s ²	3.7 m/s ²

with metal mowing attachment	Handle, left	Handle, right
FS 460 C-EM:	1.9 m/s ²	1.6 m/s ²
FS 460 C-EM L:	1.9 m/s ²	1.6 m/s ²
FS 490 C-EM:	2.8 m/s ²	2.8 m/s ²
FS 490 C-EM L:	2.8 m/s ²	2.8 m/s ²
FS 490 C-EM W:	2.8 m/s ²	2.8 m/s ²

The K-factor in accordance with Directive 2006/42/EC is 2.5 dB(A) for the sound pressure level and sound power level; the K-factor in accordance with Directive 2006/42/EC is 2.0 m/s² for the vibration measurement.