

Specifications

Engine

STIHL single cylinder two-stroke engine

FS 120

Displacement:	30.8 cc
Bore:	35 mm
Stroke:	32 mm
Engine power to ISO 8893:	1.3 kW (1.8 bhp) at 9,000 rpm
Idle speed:	2,800 rpm
Cut-off speed (rated):	12,300 rpm
Max. output shaft speed (cutting attachment):	9,150 rpm

FS 250

Displacement:	40.2 cc
Bore:	40 mm
Stroke:	32 mm
Engine power to ISO 8893:	1.6 kW (2.2 bhp) at 9,000 rpm
Idle speed:	2,800 rpm
Cut-off speed (rated):	12,300 rpm
Max. output shaft speed (cutting attachment):	9,150 rpm

Ignition System

Electronic magneto ignition

Spark plug (resistor type):	NGK BPMR 7 A, Bosch WSR 6 F
Electrode gap:	0.5 mm

FS 120, FS 120 R, FS 250

Fuel System

All position diaphragm carburetor with integral fuel pump

Fuel tank capacity: 640 cc (0.64 l)

Weight

Dry, without cutting attachment and deflector

FS 120:	6.3 kg
FS 120 R:	6.0 kg
FS 250:	6.3 kg

Overall length

without cutting attachment 1765 mm

Features

R Loop handle

Noise and Vibration Data

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

Sound pressure level L_p to ISO 22868

with mowing head	
FS 120:	101 dB(A)
FS 250:	102 dB(A)
with metal mowing attachment	
FS 120:	99 dB(A)
FS 250:	100 dB(A)

Sound power level L_w to ISO 22868

with mowing head

FS 120:	112 dB(A)
FS 250:	112 dB(A)

with metal mowing attachment

FS 120:	110 dB(A)
FS 250:	112 dB(A)

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

with mowing head	Handle, left	Handle, right
FS 120:	5.9 m/s ²	4.2 m/s ²
FS 120 R:	8.0 m/s ²	10.5 m/s ²
FS 250:	6.4 m/s ²	3.9 m/s ²
with metal mowing attachment	Handle, left	Handle, right
FS 120:	5.9 m/s ²	3.9 m/s ²
FS 120 R:	6.5 m/s ²	8.9 m/s ²
FS 250:	5.9 m/s ²	3.9 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.

REACH

REACH is an EC regulation and stands for the Registration, Evaluation, Authorisation and Restriction of Chemical substances.

For information on compliance with the REACH regulation (EC) No. 1907/2006 see www.stihl.com/reach.