

Specifications

Engine

Single cylinder two-stroke engine

Displacement:	27.2 cc
Bore:	34 mm
Stroke:	30 mm
Idle speed:	2,500 rpm
Engine power to ISO 7293:	
BG 56:	0.7 kW (1.0 bhp)
BG 66:	0.6 kW (0.8 bhp)
BG 86:	0.8 kW (1.1 bhp)
SH 56:	0.7 kW (1.0 bhp)
SH 86:	0.8 kW (1.1 bhp)

Ignition System

Electronic magneto ignition

Spark plug (resistor type):	NGK CMR 6 H
Electrode gap:	0.5 mm

Fuel System

All position diaphragm carburetor with integral fuel pump

Fuel tank capacity:

BG 56:	540 cc (0.54 l)
BG 66:	540 cc (0.54 l)
BG 66 C:	440 cc (0.44 l)
BG 86:	440 cc (0.44 l)
SH 56:	540 cc (0.54 l)
SH 86:	440 cc (0.44 l)

Maximum air flow rate

	Blower mode, without nozzle	Vacuum mode
BG 56:	730 m ³ /h	---
BG 66:	730 m ³ /h	---
BG 86:	810 m ³ /h	---
SH 56:	730 m ³ /h	710 m ³ /h
SH 86:	810 m ³ /h	770 m ³ /h

Air velocity

Blower mode, at round nozzle

BG 56:	64 m/s
BG 66:	64 m/s
BG 86:	69 m/s
SH 56:	64 m/s
SH 86:	69 m/s

Blower mode, at fan nozzle

BG 56:	72 m/s
BG 86:	85 m/s
SH 56:	72 m/s
SH 86:	85 m/s

Weight

Dry, blower mode

BG 56:	4.1 - 4.2 kg ^{*)}
BG 66:	4.4 kg
BG 66 C:	4.7 kg
BG 86:	4.4 - 4.5 kg ^{*)}

^{*)} Depending on equipment

Dry, vacuum mode

SH 56:	5.2 kg
SH 86:	5.6 kg

Noise and Vibration Data

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

Sound pressure level L_{peq} to DIN EN 15503

	Blower mode	Vacuum mode
BG 56:	90 dB(A)	94 dB(A)
BG 66:	86 dB(A)	---
BG 86:	90 dB(A)	93 dB(A)
SH 56:	90 dB(A)	94 dB(A)
SH 86:	90 dB(A)	93 dB(A)

Sound power level L_w to DIN EN 15503

	Blower mode	Vacuum mode
BG 56:	104 dB(A)	105 dB(A)
BG 66:	98 dB(A)	---
BG 86:	104 dB(A)	106 dB(A)
SH 56:	104 dB(A)	105 dB(A)
SH 86:	104 dB(A)	106 dB(A)

English

Vibration measurement $a_{hv, eq}$ to DIN EN 15503

Blower mode

	Handle, left	Handle, right
BG 56:	7.5 m/s ²	7.5 m/s ²
BG 66:	7.8 m/s ²	7.8 m/s ²
BG 66 C:	2.1 m/s ²	2.1 m/s ²
BG 86:	2.5 m/s ²	2.5 m/s ²
SH 56:	7.5 m/s ²	7.5 m/s ²
SH 86:	2.5 m/s ²	2.5 m/s ²

Vacuum mode

	Handle, left	Handle, right
BG 56:	8.5 m/s ²	7.5 m/s ²
BG 86:	2.5 m/s ²	1.9 m/s ²
SH 56:	8.5 m/s ²	7.5 m/s ²
SH 86:	2.5 m/s ²	1.9 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.

Maintenance and Repairs

Users of this machine may only carry out the maintenance and service work described in this user manual. All other repairs must be carried out by a servicing dealer.

STIHL recommends that you have servicing and repair work carried out exclusively by an authorized STIHL servicing dealer. STIHL dealers are regularly given the opportunity to attend training courses and are supplied with the necessary technical information.

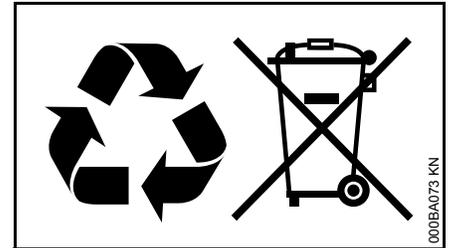
When repairing the machine, only use replacement parts which have been approved by STIHL for this power tool or are technically identical. Only use high-quality replacement parts in order to avoid the risk of accidents and damage to the machine.

STIHL recommends the use of original STIHL replacement parts.

Original STIHL parts can be identified by the STIHL part number, the **STIHL** logo and the STIHL parts symbol  (the symbol may appear alone on small parts).

Disposal

Observe all country-specific waste disposal rules and regulations.



STIHL products must not be thrown in the garbage can. Take the product, accessories and packaging to an approved disposal site for environment-friendly recycling.

Contact your STIHL servicing dealer for the latest information on waste disposal.