

**STIHL**<sup>®</sup>

# STIHL BT 130

Instruction Manual



## Specifications

### Engine

STIHL single cylinder four-stroke engine with mixture lubrication

Displacement:	36.3 cc
Bore:	43 mm
Stroke:	25 mm
Engine power to ISO 7293:	1.4 kW (1.9 bhp) at 8,500 rpm
Idle speed:	2,800 rpm
Cut-off speed:	9,500 rpm
Valve clearance, inlet:	0.10 mm
Valve clearance, exhaust:	0.10 mm

### Ignition System

Electronic (breakerless) magneto ignition

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

### Fuel System

All position diaphragm carburetor with integral fuel pump

Fuel tank capacity:	530 cc (0.53 l)
---------------------	-----------------

### Drilling gear

Two-stage spur gear drive

Gear ratio:	47.5:1
Max. spindle speed:	200 rpm
Max. torque at drilling spindle:	81 Nm
Lubrication:	STIHL gear lubricant for brushcutters

### Weight

Dry, without drilling tool (auger):	9.9 kg
-------------------------------------	--------

### Dimensions

Length with handle frame:	400 mm
Width with handle frame:	530 mm
Height without drilling tool (auger):	365 mm

### Sound and vibration levels

When determining sound and vibration levels, idling and the nominal maximum engine speed are taken into account in a ratio of 1:4.

For further details concerning compliance with the Physical Agents Directive Vibration 2002/44/EC, see [www.stihl.com/vib](http://www.stihl.com/vib)

#### Sound pressure level $L_{peq}$ to ISO 11201

92 dB(A)

#### Sound power level $L_{weq}$ to ISO 3744

100 dB(A)

#### Vibration level $a_{hv,eq}$ to ISO 20643

#### Earth auger 90 mm

Left handle:	1.5 m/s <sup>2</sup>
Right handle:	2.2 m/s <sup>2</sup>

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/s<sup>2</sup> 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](http://www.stihl.com/reach).