

Specifications

EPA / CEPA

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

STIHL Injection

Control unit with characteristic-curve-driven ignition timing adjustment

Load dependent, characteristic-curve-driven fuel injection

Electronic water control

The electronic water control makes it possible to feed the optimum amount of water to the abrasive wheel. No water is fed to the abrasive wheel during idling.

Engine

STIHL single cylinder two-stroke engine

TS 480i

Displacement:	4.41 cu in (72.2 cm ³)
Cylinder bore:	2.05 in (52 mm)
Piston stroke:	1.34 in (34 mm)
Engine power according to ISO 7293:	5.2 hp (3.9 kW) at 9300 rpm
Idling speed:	2500 rpm
Max. spindle speed:	5350 rpm

TS 500i

Displacement:	4.41 cu in (72.2 cm ³)
Cylinder bore:	2.05 in (52 mm)
Piston stroke:	1.34 in (34 mm)
Engine power according to ISO 7293:	5.2 hp (3.9 kW) at 9300 rpm
Idling speed:	2500 rpm
Max. spindle speed:	5350 rpm

Spark plug, fuel tank capacity

Spark plug (suppressed):	Bosch WSR 6 F NGK BPMR 7 A
Electrode gap:	0.02 in (0.5 mm)
Fuel tank capacity:	24.5 oz (0.725 l)

Air filter

Main filter (paper filter) and flocked wire mesh auxiliary filter

Weight

Without fuel, without abrasive wheel, with electronic water control

TS 480i:	22.0 lbs (10.0 kg)
TS 500i:	22.5 lbs (10.2 kg)

Abrasive wheels

The quoted maximum permissible operating speed of the abrasive wheel must be greater than or equal to the maximum spindle speed of the cut-off machine used.

Abrasive wheels (TS 480i)

Outside diameter:	12 in. (300 mm)
Max. thickness:	0.189 in. (4.8 mm)
Bore diameter/spindle diameter:	0.787 in. (20 mm)
Tightening torque:	22 lbf ft (30 Nm)

Composite resin abrasive wheels

Minimum outside diameter of thrust washers:	4.06 in. (103 mm)
Max. depth of cut:	3.9 in. (100 mm)

Diamond abrasive wheels

Minimum outside diameter of thrust washers:	4.06 in. (103 mm)
Max. depth of cut:	3.9 in. (100 mm)

Abrasive wheels (TS 500i)

Outside diameter:	14 in. (350 mm)
Max. thickness:	0.189 in. (4.8 mm)
Bore diameter/spindle diameter:	0.787 in. (20 mm)
Tightening torque:	22 lbf ft (30 Nm)

Composite resin abrasive wheels

Minimum outside diameter of thrust washers:	4.06 in. (103 mm)
Max. depth of cut:	4.9 in. (125 mm)


Diamond abrasive wheels

Minimum outside diameter of thrust washers:	4.06 in. (103 mm)
Max. depth of cut:	4.9 in. (125 mm)

Maintenance and Repairs

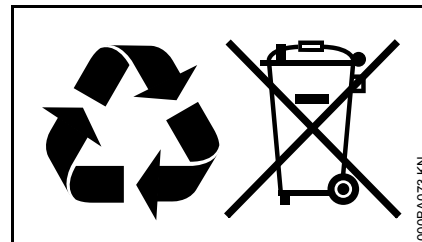
Users of this unit should carry out only the maintenance operations described in this manual. STIHL recommends that other repair work be performed only by authorized STIHL servicing dealers.

Warranty claims following repairs can be accepted only if the repair has been performed by an authorized STIHL servicing dealer using genuine STIHL replacement parts.

Genuine STIHL parts can be identified by the STIHL part number, the **STIHL** logo and, in some cases, by 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.