

3.7 Saw blade brake

DSH 600-X

The product is equipped with an integrated saw blade brake to increase operator safety. The saw blade is braked to a standstill in a maximum of 10 seconds after the throttle safety grip is released.



Note

Releasing the throttle safety grip when the tool is running at full speed causes the tool to flick forward slightly because of the braking torque. So hold the tool firmly with both hands on the grips provided.

3.8 Consumables and wearing parts

- Air filter
- Cord (5 pcs)
- Starter
- Fuel filter
- Spark plug
- Tool set
- Cylinder set
- Mounting screw assy.
- Flange for abrasive cutting disc (with integral centering ring 20 mm/1")
- Flange for diamond cutting disc (with integrated centering ring 20 mm/1")

4 Technical data

4.1 Gasoline-powered cut-off saw

	DSH 600	DSH 600-X
Cubic capacity	3.86 in ³ (63.3 cm ³)	3.86 in ³ (63.3 cm ³)
Weight without cutting disc, tank empty	20.61 lb (9.35 kg)	20.83 lb (9.45 kg)
Rated power at 8,500/min in accordance with ISO 7293	4.3 hp (3.2 kW)	4.3 hp (3.2 kW)
Maximum spindle speed	6,200 /min	6,200 /min
Maximum cutting depth	4.9 in (125 mm)	4.9 in (125 mm)
Carburetor	Manufacturer: Walbro; model: W WT-1207	Manufacturer: Walbro; model: W WT-1203

4.2 Additional technical data

Engine type	Single-cylinder, air-cooled two-stroke engine
Maximum engine speed	9350 ± 200 /min
Idle speed	2900 ± 200 /min
Ignition (type)	Electronically-controlled ignition timing
Electrode gap	0.02 in (0.5 mm)
Spark plug	Manufacturer: NGK, type: CMR7A-5
Tightening torque for fitting the spark plug	9 ftlb _r (12 Nm)
Fuel mixture	API-TC oil 2% (1:50)
Tank capacity	870 cm ³
Tank capacity	29.4 oz

Cutting disc arbor size / diameter of centering bush	0.8 in (20 mm)
Cutting disc arbor size / diameter of centering bush	1.00 in (25.4 mm)
⚠ Minimum flange outside diameter for diamond cutting discs (only for steel-core discs; the flanges are marked with "For diamond abrasive steel core wheels only").	2.0 in (50 mm)
⚠ Minimum flange outside diameter for abrasive cutting discs (composite discs)	3.1 in (78 mm)
Maximum disc outside diameter	12 in (300 mm)
Maximum nominal disc thickness (only for steel core discs)	0.18 in (4.5 mm)
Maximum nominal disc thickness (composite discs)	0.16 in (4.0 mm)
Tightening torque for fitting the cutting disc	18 ftlb _f (25 Nm)

5 Before use

5.1 Fuel

The two-stroke engine runs on a mixture of gasoline and oil. The quality of the fuel mixture decisively influences operation and life expectancy of the engine.



DANGER

Risk of fire and explosion. Gasoline vapors are highly flammable.

- ▶ Never smoke while refueling.
- ▶ Don't refuel the product at the area where you are working (move at least 3 meters (10 feet) away from the working area).
- ▶ Don't refuel the product while the engine is running. Wait until the engine has cooled down.
- ▶ Make sure there are no naked flames or sparks that could ignite the gasoline vapors.
- ▶ Take care to avoid fuel spillage. If fuel is spilled, clean up the areas affected immediately.
- ▶ Check to ensure there is no leakage from the fuel tank.



CAUTION

Risk of injury. The inhalation of gasoline vapors and skin contact with gasoline may be hazardous to the health.

- ▶ Avoid direct skin contact with gasoline. Wear protective gloves.
- ▶ If your clothing becomes soiled with gasoline, it is essential to change your clothing.
- ▶ Ensure that the workplace is well ventilated in order to avoid breathing in gasoline fumes.
- ▶ Use a fuel container that complies with the applicable regulations.

5.1.1 Using two-stroke oil

- ▶ Use good-quality, two-stroke oil for air-cooled engines that meets at least the API-TC specification.

5.1.2 Gasoline

- ▶ Use regular or super gasoline with an octane rating of at least 89 ROZ.



Note

The alcohol content (e.g. ethanol, methanol or others) of the fuel used must not exceed 10%, otherwise the life expectancy of the engine will be greatly reduced.