

## 4 Technical data

### 4.1 Gasoline-powered cut-off saw

	<b>DSH 700 30/12" / DSH 700-X 30/12"</b>	<b>DSH 700 35/14" / DSH 700-X 35/14"</b>	<b>DSH 900 35/14" / DSH 900-X 35/14"</b>	<b>DSH 900 40/16" / DSH 900-X 40/16"</b>
<b>Cubic capacity</b>	4.19 in <sup>3</sup> (68.7 cm <sup>3</sup> )	4.19 in <sup>3</sup> (68.7 cm <sup>3</sup> )	5.3 in <sup>3</sup> (87 cm <sup>3</sup> )	5.3 in <sup>3</sup> (87 cm <sup>3</sup> )
<b>Weight without cutting disc, tank empty</b>	25.6 lb (11.6 kg)	26.0 lb (11.8 kg)	26.5 lb (12.0 kg)	26.9 lb (12.2 kg)
<b>Weight with saw carriage, without cutting disc, tank empty</b>	93.9 lb (42.6 kg)	94.4 lb (42.8 kg)	94.8 lb (43.0 kg)	95.2 lb (43.2 kg)
<b>Power rating</b>	4.7 hp (3.5 kW)	4.7 hp (3.5 kW)	5.8 hp (4.3 kW)	5.8 hp (4.3 kW)
<b>Maximum arbor speed</b>	5,100 /min	5,100 /min	5,100 /min	4,700 /min
<b>Maximum cutting depth</b>	3.9 in (100 mm)	4.9 in (125 mm)	4.9 in (125 mm)	5.9 in (150 mm)

### 4.2 Additional technical data

<b>Engine type</b>	Single-cylinder, air-cooled two-stroke engine
<b>Engine speed</b>	9500 ± 200 /min
<b>No-load speed</b>	2,500 /min ... 3,000 /min
<b>Ignition (type)</b>	Electronically-controlled ignition timing
<b>Electrode gap</b>	0.02 in (0.5 mm)
<b>Spark plug</b>	Manufacturer: NGK, type: CMR7A-5
<b>Tightening torque for fitting the spark plug</b>	9 ftlb, (12 Nm)
<b>DSH 700/900 carburetor</b>	Manufacturer: Walbro; model: WT; type: 895
<b>DSH 700-X/900-X carburetor</b>	Manufacturer: Walbro; model: WT; type: 1152
<b>Fuel mixture</b>	API-TC oil 2% (1:50)
<b>Tank capacity</b>	54.9 in <sup>3</sup> (900 cm <sup>3</sup> )
<b>Cutting disc arbor size / diameter of centering bush</b>	0.8 in (20 mm)
<b>Cutting disc arbor size / diameter of centering bush</b>	1.00 in (25.4 mm)
<b>Minimum flange outside diameter</b>	4.0 in (102 mm)
<b>Max. disc thickness (steel disc thickness)</b>	0.22 in (5.5 mm)
<b>Tightening torque for fitting the cutting disc</b>	18 ftlb, (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 the running and life expectancy of the engine.