Chain saws
(electric mains powered and battery powered)
1. Introduction


Key
1) rear hand guard
2) rear handle
3) power switch
4) switch lock-off
5) front handle
6) front hand guard
7) spiked bumper
8) saw chain
9) guide bar
10) guide bar cover

Note:
1. The standards indicated in this guide are the latest published versions.
2. The inspection of a product should be conducted using ONLY the standards as declared by the manufacturer in the D.o.C. delivered with the product.
1. Introduction

Main EU technical Directives to be applied to electric chain saws

**Directive 2006/42/EC**
Machinery

**Directive 2011/65/EU**
RoHS (as amended)
Restriction of Hazardous Substances

**Directive 2012/19/EU**
WEEE
Waste Electrical & Electronic Equipment

**Directive 2000/14/EC (as amended)**
Outdoor Noise

**Directive 2014/30/EU**
Electromagnetic Compatibility
1. Introduction

Is this chain saw compliant with EU Directives?

✓ • This guide is intended for quick evaluation of electric chain saw marking:
  – CE marking
  – Guaranteed sound power level

✓ • Documentation:
  – EU declaration of conformity (D.o.C.)
  – Instructions

✗ • This guide is not applicable for technical evaluations
✗ • This guide is not applicable to battery powered chain saws for tree service
✗ • This guide is not applicable to combustion engine driven chain saws
✗ • This guide contains extracts of relevant regulations and does not claim completeness of contents
2. Machinery Identification  CE Marking

Machinery Directive 2006/42/EC

CE marking:
- The CE Conformity marking shall consist of the initials ‘CE’ as shown left;
- The CE marking shall be affixed to the machinery visibly, legibly and indelibly;
- The CE marking must include the minimum particulars (on the machine e.g. labelled, printed, embossed, etc.);
- The CE marking must be affixed in the immediate vicinity of the name of the manufacturer or his authorised representative, using the same technique.

Marking of machinery:
- Business name and address of the manufacturer or his authorised representative;
- Designation of the machinery (may be indicated by a code);
- Designation of series or type (may be indicated by a code and may be combined with the designation of the machinery);
- Serial number, if any;
- Year of construction/assembly.
3. Marking requirements


- For mains powered chain saws:
  - Rated voltage or rated voltage range in Volts e.g. 230 V or 230-240 V
  - Nature of supply, e.g. 50 Hz or a.c. or ~
  - Symbol for class II machines
  - Rated power input in Watts or rated current in Amperes

- For battery powered chain saws:
  - Rated voltage in Volts e.g. 18 V
  - Nature of supply, d.c. or ____

From the WEEE Directive 2012/19/EU

- Waste Electrical & Electronic Equipment.
4. Marking / Outdoor Noise Label

Outdoor Noise Directive 2000/14/EC (as amended)

- The indication of the guaranteed sound power level must consist of:
  - the single number of the guaranteed sound power in dB
  - the sign $L_{WA}$ and
  - a pictogram taking the following form:

![Example](image)

- There are no noise limits for electric chain saws but the noise marking and the declaration of the values in the instructions are required.
• Machinery must be accompanied by instructions in the official Community language(s) of the Member State in which it is made available.

• The instructions must contain at least the following information:
  – business name and full address of the manufacturer and of his authorised representative (if the manufacturer is not located in an EU Member State).
  – descriptions and explanations necessary for safe use, adjustment and maintenance operations that should be carried out by the user, and preventive maintenance measures that should be taken.
  – a description of the intended use of the machinery (professional use and use by consumers).
  – warnings concerning ways in which the machinery must not be used that experience has shown might occur.
6. Documentation / EU Declaration of Conformity

2006/42/EC, 2000/14/EC, 2014/30/EU

For clarification, consult the European Commission Guide to application of the Machinery Directive 2006/42/EC

The EU declaration of conformity (D.o.C.) must contain at least the following particulars:

• business name and full address of the manufacturer and, where appropriate, his authorised representative;
• name and address of the person authorised to compile the technical file, who must be established in the European Union;
• description and identification of the machinery including generic denomination, function, model, type, serial number and commercial name;
• a sentence expressly declaring that the machinery fulfils all the relevant provisions of this Directive and, where appropriate, a similar sentence declaring conformity with other Directives and/or relevant provisions with which the machinery complies;
• the name, address and notification number of the notified body which carried out the EC type examination in accordance with the Machinery Directive 2006/42/EC;
• the number of the EC type examination certificate;
• the guaranteed and measured sound power level in accordance with the Outdoor Noise Directive 2000/14/EC;
• the place and date of the declaration of conformity;
• the identity and signature of the person empowered to draw up the declaration on behalf of the manufacturer or his authorised representative.
7. Warning text or pictograms on the machine*

- **WARNING** – To reduce the risk of injury, user must read instructions or

- Wear eye protection or

- Wear ear protection (if applicable) or

- Do not expose to rain (if applicable) or

- Remove plug from the mains immediately if the cable is damaged or cut (if applicable)

* If pictograms are used, they must be explained in the instructions

* If text is used, it must be in the official language(s) of the country where the product is sold