

# Emissione di rumore da apparecchiature utilizzate all'aperto

## RIASSUNTO DI:

[Direttiva 2000/14/CE sull'emissione di rumore nell'ambiente da parte delle apparecchiature per l'uso all'aperto](#)

## QUAL È LO SCOPO DELLA DIRETTIVA?

Ha lo scopo di:

- migliorare il controllo delle emissioni sonore di 57 tipi di apparecchiature utilizzate all'aperto (articoli 12 e 13, allegato I), quali:
  - compressori,
  - escavatori-caricatori,
  - diversi tipi di seghe,
  - miscelatori, ecc.;
- promuovere il buon funzionamento del mercato unico dell'UE;
- migliorare la salute e il benessere dei cittadini riducendo il rumore emesso dalle apparecchiature utilizzate all'aperto.

Abroga e sostituisce 9 strumenti legislativi in materia di emissioni sonore per ciascuna tipologia di impianti e attrezzature edili, nonché la [Direttiva 84/538/CEE](#) sui tosaerba.

## PUNTI CHIAVE

Lo scopo della direttiva è quadruplice:

- armonizzare le norme sulle emissioni acustiche;
- armonizzare le procedure di valutazione della conformità [\\*](#);
- [armonizzare la marcatura](#) del livello di rumore ;
- per raccogliere dati sulle emissioni sonore.

Sono **esclusi** i seguenti tipi di apparecchiature :

- accessori (a utensili) non motorizzati, immessi separatamente sul mercato o messi in servizio [\\*](#) (ad eccezione dei demolitori portatili e dei picconi);
- tutte le attrezzature destinate al trasporto di merci o persone su strada pubblica o su rotaia o per via aerea o per via navigabile;
- apparecchiature progettate e costruite per l'uso da parte della polizia o dell'esercito.

I paesi dell'UE sono responsabili della verifica dell'applicazione delle regole stabilite dalla direttiva. Gli allegati da V a VIII contengono le varie procedure di valutazione della conformità da utilizzare.

Il fabbricante o la persona che immette l'apparecchiatura sul mercato o la mette in servizio deve garantire (articoli 4 e 8) che:

- hanno redatto una 'dichiarazione CE di conformità' attestante la conformità alla direttiva di ogni apparecchio recante la marcatura [CE](#);-
- hanno apposto su ogni apparecchiatura una marcatura leggibile indelebile indicante il livello di potenza sonora garantito.

Where an EU country ascertains that equipment does not comply with these conditions, it must withdraw it from the market or prohibit its use.

**Labelling** is compulsory for all items of equipment covered by the directive and must include:

- the CE marking visibly, legibly and indelibly affixed to each item of equipment;
- details of the sound power level  $LWA_{*}$  in  $dB(A)_{*}$  in relation to  $1 pW_{*}$ .

The **noise emission limits** laid down for certain types of equipment involved 2 stages, so as to enable businesses to adapt to the new regulations. The emission limits for stage 1 took effect 2 years after the directive's entry into force and more stringent limits entered into force in 2006.

EU countries may set up **notified bodies** which are responsible for monitoring the noise emission limits applicable to the equipment. These monitoring controls apply both to the equipment design phase and the equipment production phase. It should be noted, however, that it is not necessary to monitor the design of equipment that is subject only to compulsory marking.

With a view to assessing the impact of the directive, a procedure for the **collection of noise emission data** was established. This information serves as the basis for customers to choose less noisy equipment and for devising economic incentives and awards. Manufacturers or their authorised representatives are required to send to the relevant authorities in EU countries, as well as to the [European Commission](#), a copy of the EC declaration of conformity for equipment placed on the market.

The directive has 24 articles and **10 annexes** covering:

- definitions of equipment;
- EC declaration of conformity;
- method of measurement of airborne noise emitted by equipment for use outdoors;
- models of the CE marking of conformity and of the indication of the guaranteed sound power level;
- internal control of production;
- internal control of production with assessment of technical documentation and periodical checking;
- unit verification;
- full quality assurance;
- minimum criteria to be taken into account by EU countries for the notification of bodies (the notified bodies mentioned above);
- unit verification — model of conformity certificate.

## Possible revisions to the legislation

An evaluation and impact assessment study of Directive 2000/14/EC has been ongoing since May 2017. Its [results](#)—, as well as previously completed studies, will be used by the Commission as the basis for the upcoming revision process of EU legislation in this field. A [public consultation](#)— was launched in January 2018 and ran until April 2018.

## FROM WHEN DOES THE DIRECTIVE APPLY?

It has applied since 3 January 2002 and had to become law in the EU countries by 3 July 2001.

## BACKGROUND

For more information, see:

- [Noise emission by outdoor equipment](#)— (*European Commission*).

## KEY TERMS

**Conformity assessment:** the process confirming that a product satisfies the necessary process, service, system, person or body requirements.

**Putting into service:** the moment of first use by the end-user for purposes for which the good was intended.

**LWA:** measure of the acoustic energy emitted by a machine, i.e. the sound power.

**dB(A):** average sound level in decibels as perceived by the human ear.

**1pW:** 1 picowatt — the international standard reference value of sound power when this quantity is expressed as a level in decibels.

## MAIN DOCUMENT

[Directive 2000/14/EC](#) of the European Parliament and of the Council of 8 May 2000 on the approximation of the laws of the Member States relating to the noise emission in the environment by equipment for use outdoors (OJ L 162, 3.7.2000, pp. 1-78)

Successive amendments to Directive 2000/14/EC have been incorporated in the original text. This [consolidated version](#) is of documentary value only.

## RELATED DOCUMENTS

[Commission Recommendation](#) of 6 August 2003 concerning the guidelines on the revised interim computation methods for industrial noise, aircraft noise, road traffic noise and railway noise, and related emission data (OJ L 212, 22.8.2003, pp. 49-64)

[Directive 2002/49/EC](#) of the European Parliament and of the Council of 25 June 2002 relating to the assessment and management of environmental noise — Declaration by the Commission in the Conciliation Committee on the Directive relating to the assessment and management of environmental noise (OJ L 189, 18.7.2002, pp. 12-25)

See [consolidated version](#).

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