

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

Article 12

Equipment subject to noise limits

The guaranteed sound power level of equipment listed below shall not exceed the permissible sound power level as laid down in the following tables of limit values:

- builders' hoists for the transport of goods (combustion-engine driven)
Definition:
Annex I, item 3. Measurement: Annex III, Part B, item 3
- compaction machines (only vibrating and non-vibrating rollers, vibratory plates and vibratory rammers)
Definition:
Annex I, item 8. Measurement: Annex III, Part B, item 8
- compressors (< 350 kW)
Definition:
Annex I, item 9. Measurement: Annex III, Part B, item 9
- concrete-breakers and picks, hand-held
Definition:
Annex I, item 10. Measurement: Annex III, Part B, item 10
- construction winches (combustion-engine driven)
Definition:
Annex I, item 12. Measurement: Annex III, Part B, item 12
- dozers (< 500 kW)
Definition:
Annex I, item 16. Measurement: Annex III, Part B, item 16
- dumpers (< 500 kW)
Definition:
Annex I, item 18. Measurement: Annex III, Part B, item 18
- excavators, hydraulic or rope-operated (< 500 kW)
Definition:
Annex I, item 20. Measurement: Annex III, Part B, item 20
- excavator-loaders (< 500 kW)
Definition:
Annex I, item 21. Measurement: Annex III, Part B, item 21
- graders (< 500 kW)
Definition:
Annex I, item 23. Measurement: Annex III, Part B, item 23
- hydraulic power packs

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Definition:

— Annex I, item 29. Measurement: Annex III, Part B, item 29
landfill compactors, loader-type with bucket (< 500 kW)

Definition:

— Annex I, item 31. Measurement: Annex III, Part B, item 31
lawnmowers (excluding agricultural and forestry equipment, and multi-purpose devices, the main motorised component of which has an installed power of more than 20 kW))

Definition:

— Annex I, item 32. Measurement: Annex III, Part B, item 32
lawn trimmers/lawn edge trimmers

Definition:

— Annex I, item 33; Measurement: Annex III, Part B, item 33
lift trucks, combustion-engine driven, counterbalanced (excluding ‘other counterbalanced lift trucks’ as defined in Annex I, item 36, second indent with a rated capacity of not more than 10 tonnes)

Definition:

— Annex I, item 36. Measurement: Annex III, Part B, item 36
loaders (< 500 kW)

Definition:

— Annex I, item 37. Measurement: Annex III, Part B, item 37
mobile cranes

Definition:

— Annex I, item 38. Measurement: Annex III, Part B, item 38
motor hoes (< 3 kW)

Definition:

— Annex I, item 40. Measurement: Annex III, Part B, item 40
paver-finishers (excluding paver-finishers equipped with a high-compaction screed)

Definition:

— Annex I, item 41. Measurement: Annex III, Part B, item 41
power generators (< 400 kW)

Definition

— Annex I, item 45. Measurement: Annex III, Part B, item 45
tower cranes

Definition:

— Annex I, item 53. Measurement: Annex III, Part B, item 53
welding generators

Definition:

Annex I, item 57. Measurement: Annex III, Part B, item 57.

| [^{F1} Type of equipment | Net installed power <i>P</i> (in kW)Electric | Permissible sound power level in dB/1 pW |
|-----------------------------------|--|--|
|-----------------------------------|--|--|

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| | power P_{el}^a in kW Mass of appliance m in kg Cutting width L in cm | Stage I as from 3 January 2002 | Stage II as from 3 January 2006 |
|---|--|---------------------------------------|--|
| Compaction machines (vibrating rollers, vibratory plates, vibratory rammers) | $P \leq 8$ | 108 | 105 ^b |
| | $8 < P \leq 70$ | 109 | 106 ^b |
| | $P > 70$ | $89 + 11 \lg P$ | $86 + 11 \lg P^b$ |
| Tracked dozers, tracked loaders, tracked excavator-loaders | $P \leq 55$ | 106 | 103 ^b |
| | $P > 55$ | $87 + 11 \lg P$ | $84 + 11 \lg P^b$ |
| Wheeled dozers, wheeled loaders, wheeled excavator-loaders, dumpers, graders, loader-type landfill compactors, combustion-engine driven counterbalanced lift trucks, mobile cranes, compaction machines (non-vibrating rollers), paver-finishers, hydraulic power packs | $P \leq 55$ | 104 | 101 ^{bc} |
| | $P > 55$ | $85 + 11 \lg P$ | $82 + 11 \lg P^{bc}$ |
| Excavators, builders' hoists for the transport of goods, construction winches, motor hoes | $P \leq 15$ | 96 | 93 |
| | $P > 15$ | $83 + 11 \lg P$ | $80 + 11 \lg P$ |
| Hand-held concrete-breakers and picks | $m \leq 15$ | 107 | 105 |
| | $15 < m < 30$ | $94 + 11 \lg m$ | $92 + 11 \lg m^b$ |
| | $m \geq 30$ | $96 + 11 \lg m$ | $94 + 11 \lg m$ |
| Tower cranes | | $98 + \lg P$ | $96 + \lg P$ |
| Welding and power generators | $P_{el} \leq 2$ | $97 + \lg P_{el}$ | $95 + \lg P_{el}$ |
| | $2 < P_{el} \leq 10$ | $98 + \lg P_{el}$ | $96 + \lg P_{el}$ |
| | $[^X P_{el} > 10]$ | $97 + \lg P_{el}$ | $95 + \lg P_{el}$ |
| Compressors | $P \leq 15$ | 99 | 97 |

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|--|-------------------|----------------|------------------|
| | $P > 15$ | $97 + 2 \lg P$ | $95 + 2 \lg P$ |
| Lawnmowers, lawn trimmers/lawn-edge trimmers | $L \leq 50$ | 96 | 94 ^b |
| | $50 < L \leq 70$ | 100 | 98 |
| | $70 < L \leq 120$ | 100 | 98 ^b |
| | $L > 120$ | 105 | 103 ^b |

a P_{el} for welding generators: conventional welding current multiplied by the conventional load voltage for the lowest value of the duty factor given by the manufacturer.

P_{el} for power generators: prime power according to ISO 8528-1:1993, clause 13.3.2

b The figures for stage II are merely indicative for the following types of equipment:

- walk-behind vibrating rollers;
- vibratory plates (> 3kW);
- vibratory rammers;
- dozers (steel tracked);
- loaders (steel tracked > 55 kW);
- combustion-engine driven counterbalanced lift trucks;
- compacting screed paver-finishers;
- hand-held internal combustion-engine concrete-breakers and picks ($15 < m < 30$);
- lawnmowers, lawn trimmers/lawn-edge trimmers.

Definitive figures will depend on amendment of the Directive following the report required in Article 20(1). In the absence of any such amendment, the figures for stage I will continue to apply for stage II.

c For single-engine mobile cranes, the figures for stage I shall continue to apply until 3 January 2008. After that date, stage II figures shall apply.

The permissible sound power level shall be rounded up or down to the nearest integer number (less than 0,5, use lower number; greater than or equal to 0,5, use higher number)]

Editorial Information

- X1** Substituted by [Corrigendum to Directive 2005/88/EC of the European Parliament and of the Council of 14 December 2005 amending Directive 2000/14/EC on the approximation of the laws of the Member States relating to the noise emission in the environment by equipment for use outdoors \(Official Journal of the European Union L 344 of 27 December 2005\)](#).

Textual Amendments

- F1** Substituted by [Directive 2005/88/EC of the European Parliament and of the Council of 14 December 2005 amending Directive 2000/14/EC on the approximation of the laws of the Member States relating to the noise emission in the environment by equipment for use outdoors \(Text with EEA relevance\)](#).