
STATUTORY INSTRUMENTS

1992 No. 168

**PUBLIC HEALTH, ENGLAND & WALES
PUBLIC HEALTH, SCOTLAND PUBLIC
HEALTH, NORTHERN IRELAND**

NOISE

**The Lawnmowers (Harmonization of Noise
Emission Standards) Regulations 1992**

Made - - - - 3rd February 1992

Laid before Parliament 5th February 1992

Coming into force 1st March 1992

**THE LAWNMOWERS (HARMONIZATION OF NOISE
EMISSION STANDARDS) REGULATIONS 1992**

1. Citation, commencement and revocation
 2. Application of Regulations
 3. Interpretation
 4. Prohibition on supply
 5. Listed laboratories
 6. Prescribed fee
 7. Conformity checks
 8. Offences
 9. Offences by Corporations
- Signature

SCHEDULE 1 — MODEL CERTIFICATE OF CONFORMITY ISSUED BY THE
MANUFACTURER, OR BY THE IMPORTER DOMICILED IN
THE COMMUNITY

SCHEDULE 2A — MODEL FOR MARK STATING THE SOUND POWER LEVEL

Status: This is the original version (as it was originally made). This item of legislation is currently only available in its original format.

SCHEDULE 2B — MODEL FOR MARK STATING THE SOUND PRESSURE LEVEL AT THE OPERATOR'S POSITION

SCHEDULE 3 —
PART 1 — METHOD OF DETERMINING AIRBORNE NOISE EMITTED BY LAWNMOWERS (ALSO REFERRED TO AS MOWERS IN THIS SCHEDULE)

1. OBJECT
2. SCOPE
- 2.1 Type of noise
- 2.2 Size of sound source
3. DEFINITIONS
- 3.1 Sound pressure level L_{pA}
- 3.2 Measuring surface
- 3.3 Surface sound pressure level L_{pAM}
- 3.4 Sound power level L_{WA} is obtained by applying the weighting A to the sound power level L_W .
- 3.5 Limit value of the sound power level L_{WA1}
- 3.6 Directivity index (DI)
- 3.7 Extraneous noise
- 3.7.1 Background noise
- 3.7.2 Parasitic noise
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- 4.1 Acoustic criteria for the environment
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- 5.1 General
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- 5.5.2 These on-the-spot checks shall be supplemented by more thorough calibrations...
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- 6.1 Purpose of the measurement
- 6.1.1 Lawnmowers designed to be equipped with a device for collecting...
- 6.1.2 The cutting device shall be adjusted to a height of...
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- 6.3 Measuring site
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- 6.4 Measuring surface, measuring distance, location and number of measuring points
- 6.4.1 Measuring surface
- 6.4.2 Location and number of measuring points
- 6.4.2.1 General
- 6.4.2.2 Position of the measuring points on a hemisphere of radius r
7. MEASUREMENTS

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- 7.1 Measurement of the acoustic properties of the measuring site
 - 7.1.1 Extraneous noise
 - 7.1.2 Wind speed and direction
 - 7.1.3 Measurement of temperature, humidity, barometric pressure and other disturbances
 - 7.1.4 Acoustic quality of the test area
 - 7.1.5 Presence of obstacles
- 7.2 Measurement of the sound pressure level L_{pA}
Note:
 - 7.3 Determination of the nature of the noise generated by the sound source
 - 7.3.1 Detection of noise of an impulsive character
 - 7.3.2 Detection of a noise with discrete tones
- 8. USE OF RESULTS
 - 8.1 Calculation of root mean square values
 - 8.1.1 Root mean square value at a measuring point
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 - 8.2 Calculation of average extraneous noise level
 - 8.3 Calculation of the area S of the measuring surface
 - 8.4 Calculation of the surface sound pressure level L_{pAm}
 - 8.5 Calculation of the sound power level L_{WA}
 - 8.6 Corrections to be made to measurements
 - 8.6.1 Extraneous noise
 - 8.6.2 Acoustic properties of test area
 - 8.6.3 Disturbances: temperature, humidity, altitude of site, etc.
 - 8.6.4 Wind interference
- 9. DATA TO BE RECORDED
 - 9.1 Sound source under test
 - 9.2 Acoustic environment
 - 9.3 Instrumentation
 - 9.4 Acoustic data
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ANNEX A

ARTIFICIAL FLOORING

- 1. DIMENSIONS AND MATERIALS
 - 1.1 Dimensions
 - 1.2 Materials

Note:

ANNEX B

ARTIFICIAL FLOORING

EXAMPLE OF MATERIAL AND CONSTRUCTION

PART 2 — METHOD OF DETERMINING AIRBORNE NOISE EMITTED BY LAWNMOWERS (ALSO REFERRED TO AS MOWERS IN THIS SCHEDULE) WITH A CUTTING WIDTH OF MORE THAN 120 CM AT THE OPERATOR POSITION

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1. AIM
2. SCOPE
- 2.1 Type of noise
- 2.2 Type of lawnmowers
3. DEFINITIONS
- 3.1 Sound pressure level L_{pA}
- 3.2 Equivalent continuous sound pressure level $L_{Aeq}(t_1, t_2)$
4. CRITERION TO BE USED TO EXPRESS RESULTS
5. MEASURING INSTRUMENTS
6. PRESENCE OF THE OPERATOR
- 6.1 Clothing specifications
- 6.2 Height specifications of the operator(s)
- 6.2.1 Seated operator
7. MICROPHONE LOCATIONS
- 7.1 General
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- Note:
8. ENVIRONMENTAL CONDITIONS
- 8.1 Measuring site
- 8.2 Background noise
9. INSTALLATION AND OPERATING CONDITIONS
- 9.1 General
10. MEASUREMENTS AND CALCULATION OF RESULTS
- 10.1 Measurement interval $T(= t_2 - t_1)$
- 10.2 Determination of the equivalent continuous A-weighted sound pressure level ($L_{Aeq}(t_1, t_2)$)
- 10.2.1 By integrating $p^2(t)$
- 10.2.2 Using the A-weighted sound pressure levels L_{pA}
- 10.3 Measurement of disturbances
- 10.4 Corrections to be made to measurements
- 10.4.1 Disturbances (temperature, humidity, altitude, etc)
- 10.4.2 Background noise
11. DATA TO BE RECORDED
- Note:

SCHEDULE 4 — TABLE OF PERMISSIBLE SOUND POWER LEVELS

SCHEDULE 5 — MODEL INFORMATION DOCUMENT

Explanatory Note