

# DIN EN ISO 22868:2021-05 (E)

Forestry and gardening machinery - Noise test code for portable hand-held machines with internal combustion engine - Engineering method (Grade 2 accuracy) (ISO 22868:2021)

---

<b>Contents</b>	<b>Page</b>
<b>European foreword</b> .....	<b>3</b>
<b>Annex ZA (informative) Relationship between this European Standard and the requirements of EU Directive 2006/42/EC aimed to be covered</b> .....	<b>4</b>
<b>Foreword</b> .....	<b>5</b>
<b>Introduction</b> .....	<b>6</b>
<b>1 Scope</b> .....	<b>8</b>
<b>2 Normative references</b> .....	<b>8</b>
<b>3 Terms and definitions</b> .....	<b>9</b>
<b>4 Quantities to be measured and quantities to be determined</b> .....	<b>9</b>
<b>5 A-weighted sound power level determination</b> .....	<b>9</b>
<b>6 A-weighted emission sound pressure level measurement at the operator position</b> .....	<b>11</b>
6.1 General .....	11
6.2 Requirements for artificial surface .....	11
6.3 Requirements for natural ground surface .....	12
<b>7 Testing and operating conditions</b> .....	<b>12</b>
<b>8 Information to be reported</b> .....	<b>13</b>
8.1 General .....	13
8.2 A-weighted emission sound pressure level determination .....	14
8.3 A-weighted surface average sound pressure level determination .....	14
8.4 A-weighted sound power level determination .....	15
<b>9 Declaration and verification of noise emission values</b> .....	<b>16</b>
<b>Annex A (normative) Specific conditions for chain-saws (see <a href="#">Clause 7</a>)</b> .....	<b>17</b>
<b>Annex B (normative) Specific conditions for brush-cutters, grass-trimmers and edgers (see <a href="#">Clause 7</a>)</b> .....	<b>21</b>
<b>Annex C (normative) Specific conditions for pole-mounted powered pruners (see <a href="#">Clause 7</a>)</b> .....	<b>27</b>
<b>Annex D (normative) Specific conditions for hedge-trimmers (see <a href="#">Clause 7</a>)</b> .....	<b>31</b>
<b>Annex E (normative) Specific conditions for garden blowers/vacuums/knapsack mist blowers (see <a href="#">Clause 7</a>)</b> .....	<b>35</b>
<b>Annex F (informative) Example of water brake mounted on chain-saw guide bar to simulate cutting</b> .....	<b>42</b>
<b>Annex G (informative) Summary of results from round robin tests 2007 and 2008 on single chain-saw, brush-cutter and grass-trimmer</b> .....	<b>43</b>
<b>Annex H (informative) A-weighted sound power level determination and declaration according to the EU Directive on noise emission in the environment by equipment for use outdoors, 2000/14/EC</b> .....	<b>44</b>