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LY

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

LY/T 1619-2017

Replacing LY/T 1619-2004

**Garden machinery--Gasoline engine powered hand-held hedge
trimmers**

(English Translation)

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces LY/T 1619-2004 "Garden Machinery Portable Power Hedge Trimmer", compared with LY/T 1619-2004, the main technical content changes are as follows.

- Modify the standard name "garden machinery portable power hedge trimmer" to "garden machinery powered by gasoline engine Hedge trimmer"
- Revised the normative reference document (see Chapter 2, Chapter 2 of the 2004 edition);
- "Usage environment" increased the relative humidity of the air (see 5.1.1);
- Modify the test hedge from "small yellow leaf poplar" to "common shrub or small tree" and modify its specifications (see 5.1.2, 2004 version 6.1.3);
- Revised the requirements for the test instrument (see 5.1.4, 6.1.2 of the 2004 version);
- Added test method for "performance of gasoline engine" (see 5.2.2);
- Increased the requirements and test methods for "no-load reciprocating times of cutting devices" (see 5.3.1);
- Increased the "maximum pruning diameter" requirements and test methods (see 5.3.2);
- Increased the requirements for "cutting" and test methods (see 5.3.3);
- Revised the test method for "tear rate" (see 5.3.4.2, 2004 edition 6.8);
- Revised the "starting performance" requirements and test methods (see 5.3.5, 2004 editions 5.2.2 and 6.2);
- Revised the requirements and test methods for "idle performance" (see 5.3.6, 2004 editions 5.2.3 and 6.3);
- Increased the requirements for "acceleration and deceleration performance" and test

methods (see 5.3.7);

--- Increased the requirements and test methods for "idle turning performance" (see 5.3.8);

--- Revised the requirements and test methods for "maximum no-load speed stability" (see 5.3.9, 2004 editions 5.2.4 and 6.4);

--- Revised the "net quality of the whole machine" requirements (see 5.3.10, 2004 version 5.2.5);

--- Added requirements and test methods for "handle rotation adjustment device", "cutting device guard", "starter" and "clutch" (see 5.4.1) 5.4.2, 5.4.3 and 5.4.4);

--- Revised the requirements and test methods for "handle vibration" (see 5.5.1, 2004 editions 5.2.6 and 6.6);

--- Modified the "operator's ear noise" test method (see 5.5.2.2, 2004 version 6.7);

--- Increased the requirements and test methods for "radio disturbance characteristic limits" and "exhaust pollutants" (see 5.5.3, 5.5.4);

--- Increased the "appearance quality" test method (see 5.7.2);

--- Added "Third Party Inspection" requirements in the "Inspection Rules" (see 6.4);

--- Added the "flag" test method (see 7.1.2);

--- Added the "Instruction Manual" test method (see 7.2.2);

--- Added "package" inspection method (see 7.3.2);

--- Removed "Appendix B (normative appendix) hand vibration frequency weighting characteristic curve" (Appendix B of 2004 edition).

1 Scope

This standard defines the terms and definitions of a hand-held hedge trimmer (hereinafter referred to as "trench hedge") powered by a gasoline engine, which stipulates Model preparation method, technical requirements and test methods, inspection rules, signs, instructions for use, packaging, transportation and storage.

This standard applies to hedge trimmers driven by gasoline engines that use a linear reciprocating cutter to trim hedges.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this

document.

GB/T 191 packaging storage and transportation icon GB/T 2828.11 Procedures for the enumeration of samplings - Part 11. Procedures for assessing quality levels GB/T 4269.1 Agricultural and forestry tractors and machinery, lawn and garden power machinery operators operating mechanisms and other display devices no. 1. General symbols GB/T 5390 Forestry and garden machinery, internal combustion engine-powered portable hand-operated machine noise measurement specification engineering method (Level 2 accuracy) GB/T 5395 Forestry and garden machinery - Internal combustion engine-powered portable hand-held machine GB/T 9480 Agricultural and forestry tractors and machinery, lawn and gardening power machinery manual GB/T 21398 Agricultural and forestry machinery electromagnetic compatibility test methods and acceptance rules GB 26133 Limits and measurement methods for emission of pollutants from small ignition engines for non-road mobile machinery (China No.1 and II stage) LY/T 1621 garden machinery model preparation method LY/T 2569-2015 Safety requirements and tests for hand-held hedge trimmers powered by gasoline engines JB/T 5135.1 General purpose small gasoline engine Part 1. Technical conditions JB/T 5135.2 General purpose small gasoline engines - Part 2 JB/T 5135.3 General purpose small gasoline engines - Part 3. Reliability, endurance test and assessment method JB/T 11652 general small gasoline engine rebound type rope starting device technical conditions

3 Terms and definitions

The following terms and definitions as defined by LY/T 2569-2015 apply to this document.

Measuring point

The general name of the test area and test location.

Tear rate rate of splitting the number of pruning branches in the measuring point as a percentage of the total number of pruning branches.