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

LY/T 3170-2024

**Portable hedge trimmer
(English Translation)**

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Appendix A (Normative) Basic parameters of hedge trimmers

Reference

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces LY/T 1619-2017 "Garden machinery - Hand-held hedge trimmers powered by gasoline engines", LY/T 1810-2020 "Garden Machinery - Portable Pole Hedge Trimmers Powered by Gasoline Engines", LY/T 2156-2013 "Garden Machinery - Portable Pole Hedge Trimmers Powered by Gasoline Engines" Pole-type electric hedge trimmers", LY/T 2403-2014 "Garden machinery handheld electric hedge trimmers", LY/T 3020-2018 "Hand-held hedge trimmers powered by lithium-ion batteries for garden machinery", LY/T 3170-2019 "Hand-held hedge trimmers powered by lithium-ion batteries for garden machinery" Pole-type hedge trimmer with a battery as the power source". Compatible with LY/T 1619-2017, LY/T 1810-2020, LY/T 2156-2013, Compared with LY/T 2403-2014, LY/T 3020-2018 and LY/T 3170-2019, in addition to structural adjustments and editorial changes, the main technical the changes are as follows.

--- Changed the terms and definitions (see Chapter 3, Chapter 3 of LY/T 1619-2017, Chapter 3 of LY/T 1810-2020).

Chapter 3 of LY/T 2156-2013, Chapter 3 of LY/T 2403-2014, Chapter 3 of LY/T 3020-2018, Chapter 3 of LY/T 3170-2019);

--- The content of model compilation method has been changed (see Chapter 4, 4.2 of LY/T 2156-2013, 4.2, 4.2 of LY/T 3020-2018, Chapter 4 of LY/T 3170-2019);

--- Deleted the requirements and inspection contents of "tear rate" (5.3.4 of LY/T 1619-2017, LY/T 1810-2020 5.3.7, 6.3.6 of LY/T 3020-2018, 6.3.6 of LY/T 3170-2019);

--- Unify "trimming width, trimming width/cutting length" into "cutting width" and change its requirements (see 6.2.1.1, LY/T 1619-5.3.2 of LY/T 2017, 5.3.8 of LY/T 1810-2020, 5.2 of LY/T 2156-2013, 5.3.7 of LY/T 2403-2014 5.2.1, 6.3.5 of LY/T 3020-2018, 6.3.5 of LY/T 3170-2019);

--- Added the power requirements and inspection contents of gasoline hedge trimmers (see 6.2.1.2);

--- Added the requirements and inspection contents of the nominal voltage of lithium battery hedge trimmers (see 6.2.1.2);

- Changed the power requirements and test contents of AC hedge trimmers (see 6.2.1.2, 5.2.1.1 of LY/T 2403-2014, LY/T 3020-2018, 6.3.2.1);
- Changed "maximum pruning diameter" to "single maximum pruning diameter" and changed its requirements (see 6.2.1.3, LY/T 1619-5.3.2 of LY/T 2017, 5.3.8 of LY/T 1810-2020, 5.2 of LY/T 2156-2013, 5.3.7 of LY/T 2403-2014 5.2.1, 6.3.5 of LY/T 3020-2018, 6.3.5 of LY/T 3170-2019);
- Changed the requirements and test contents of "number of no-load reciprocating times of cutting device" (see 6.2.1.4, 5.3.1, LY/T 1619-2017 5.3.6 of LY/T 1810-2020, 5.2, 6.3.2 of LY/T 2156-2013, 5.2.1 of LY/T 2403-2014, LY/T 3020-2018, 6.3.3 of LY/T 3170-2019);
- Changed the requirements for "net mass of the whole machine" for gasoline hedge trimmers (see 6.2.1.5, 5.3.10 of LY/T 1619-2017, LY/T 1810-2020, 5.3.10);
- Added the requirements and inspection contents of "net mass of the whole machine" for electric hedge trimmers (see 6.2.1.5);
- Changed the content of the test of "starting performance" of lithium-ion hedge trimmers (see 6.2.2.1.2, 5.2 and 6.3.2, 5.2.1 of LY/T 2403-2014);
- Added the requirements and test contents of "no-load running capacity per watt-hour" for lithium-ion battery hedge trimmers (see 6.2.2.2);
- Changed the "minimum no-load steady speed (idle) performance" requirement for gasoline hedge trimmers and changed the minimum no-load steady speed (idle) performance requirement for handheld gasoline hedge trimmers.
Test method for low no-load stable speed (idling) performance (see 6.2.3.2, 5.3.6 of LY/T 1619-2017, LY/T 1810-5.3.2 of 2020);
- Changed the requirements and test contents of "minimum no-load stable speed (idling) rollover performance" of gasoline hedge trimmers (see 6.2.3.4, LY/T 1619-2017, 5.3.8; LY/T 1810-2020, 5.3.4);
- Changed the inspection content of "maximum no-load speed stability" of pole-type gasoline hedge trimmers (see 6.2.3.5.2, LY/T 1810-5.3.5 of 2020);
- Added the performance requirements and inspection contents of "cutting device" of hedge trimmer (see 6.3.1.1);
- Added the durability requirements and inspection contents of the switch of gasoline hedge trimmer (see 6.3.1.3);
- Changed the requirements and test contents of the durability of the switch of the electric hedge trimmer (see 6.3.1.3, 5.4.1 of LY/T 2156-2013, 4.4.6 of LY/T 2403-2014, 6.4.7 of LY/T 3020-2018, 6.4.8 of LY/T 3170-2019);
- Changed the requirements and inspection contents of "electromagnetic compatibility" of