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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

LY/T 1618-2004

Backpack type wind sweeper powered by gasoline engine

(English Translation)

Issued on: September 7, 2022 **Implemented on: January 1, 2023**

Issued by: State Forestry and Grassland Administration

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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 1618-2004 "Portable Wind Sweeper for Garden Machinery". Compared with LY/T 1618-2004, except for in addition to structural adjustments and editorial changes, the main technical changes are as follows.

a) The scope of the document has been changed (see Chapter 1, Chapter 1 of the 2004

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edition);

b) Changed the requirements and inspection methods on start-up performance (see 5.3.1, 4.2.2, 5.2 of the 2004 edition);

c) Changed the requirements and inspection methods on idling performance (see 5.3.2, 4.2.3, 5.3 of the 2004 edition);

d) Deleted the requirements and inspection methods on the cleaning distance (see 4.2.4, 5.4 of the 2004 edition);

e) Changed the requirements on the net mass of the complete machine (see 5.3.3, 4.2.7 of the 2004 edition);

f) The requirements and inspection methods for "air volume and wind speed" have been added (see 5.3.4);

g) Deleted the requirements and inspection methods for impeller dynamic balance (see 4.5.3 and 5.11 of the 2004 edition);

h) The requirements and inspection methods on the total pressure efficiency of fans are deleted (see 4.5.4 and 5.12 of the 2004 edition);

i) Changed the requirements on the manipulation mechanism and added the corresponding inspection method (see 5.4.3, 4.5.5 of the 2004 edition);

j) Added requirements and inspection methods for "straps" (see 5.4.4);

k) Changed the requirements and inspection methods for air inlet and outlet (see 5.5.2, 4.6.2, 4.6.3, 5.13.2 of the 2004 edition);

l) The requirements and inspection methods for the exhaust port of the muffler have been changed (see 5.5.3, 4.6.4, 5.13.2 of the 2004 edition);

m) The requirements and inspection methods for "gasoline engine temperature" are added (see 5.5.5);

n) The requirements and inspection methods for thermal protection have been changed (see 5.5.6, 4.6.6, 5.13.3 of the 2004 edition);

o) Changed the requirements on electromagnetic compatibility and added the corresponding inspection method (see 5.5.7, 4.1 of the 2004 edition);

p) Changed the noise requirements and inspection methods (see 5.5.8, 4.2.5, 5.5 of the 2004 edition);

q) Changed the vibration requirements and inspection methods (see 5.5.9, 4.2.6, 5.6 of the 2004 edition);

r) Changed the requirements and inspection methods on reliability and durability (see 5.6,

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4.3, 4.4, 5.9 of the 2004 edition);

s) Deleted the content of "inspection rules" (see Chapter 6 of the 2004 edition);

t) Changed the requirements and inspection methods on signs, instruction manuals, packaging, transportation and storage (see Chapter 6, 2004 edition Chapter 7, Chapter 8).

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

1 Scope

This document specifies the product model, basic parameters, technical requirements and test methods, Signs, instructions for use, packaging, transportation and storage.

This document applies to garden knapsack wind sweepers powered by gasoline engines (hereinafter referred to as "wind sweepers").

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references for documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 191 Packaging, storage and transportation icons GB/T 4269.1 Symbols for operator controls and other display devices for agricultural and forestry tractors and machinery, lawn and garden power machinery no. Part 1: General symbols GB/T 4269.5 Operator control symbols and other markings for portable forestry machinery GB/T 9480 Rules for compiling instruction manuals of agricultural and forestry tractors and machinery, lawn and gardening power machinery GB 10396 Agricultural and Forestry Tractors and Machinery, Lawn and Garden Power Machinery Safety Signs and Hazard Graphics General Rules GB/T 13306 Signage GB/T 13384 General Technical Specifications for Packaging of Mechanical and Electrical Products GB/T 21398 Agricultural and Forestry Machinery Electromagnetic Compatibility Test Methods and Acceptance Rules GB/T 23821-2009 Safety distance of machinery to prevent the upper and lower limbs from touching the danger zone GB 26133 Limits and Measurement Methods of Exhaust Pollutants from Small Ignition Engines Used in Non-road Mobile Machinery (China First and Second stage) GB/T 31202 Agricultural and forestry machinery and garden machinery hand-held control and hand-held control machinery accessibility to hot surfaces determination JB/T 5135.1 General Small Gasoline Engine Part 1: Technical Specifications JB/T 5135.2 General Small Gasoline Engine Part 2: Bench Performance Test Method JB/T 5135.3 General Small Gasoline Engine Part 3: Reliability, Durability Test and Evaluation Method LY/T 1621 Modeling method of garden machinery products LY/T 2568.2-2017 Garden machinery Hand-held blower powered by

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gasoline engine Part 2: Combined type LY/T 2569 Garden Machinery Safety Requirements and Tests for Handheld Hedge Trimmers Powered by Gasoline Engines

3 Terms and Definitions

The following terms and definitions apply to this document.

Backpack type wind sweeper backpackblower A knapsack machine that drives a fan to generate airflow for cleaning operations by a gasoline engine.

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