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

QC/T 935-2025

Replacing QC/T 935-2013

**Kitchen garbage vehicle
(English Translation)**

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Preface

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 QC/T 935-2013 "Food Waste Trucks". Compared with QC/T 935-2013, except for structural adjustments and editorial changes, in addition, the main technical changes are as follows.

--Changed the definitions of food waste truck, effective volume of compartment/tank, push unloading, tipping unloading, and pneumatic unloading (see 3.1, 3.3, 3.7, 3.8, 3.9, 2013 versions 3.1, 3.4, 3.5, 3.6, 3.7);

--Deleted container feeding type food waste truck, suction feeding type food waste truck, feeding working cycle, mechanical discharge working cycle, gas Definitions of discharge working cycle, full chamber/tank suction working time, maximum vacuum degree, effective suction range, and maximum discharge pressure (see 2013 Versions 3.2, 3.3, 3.8, 3.9, and 3.10);

--Added the total volume of the compartment/tank, container loading, suction loading, closed unloading, container loading cycle time, suction loading cycle time, Definitions of closed unloading cycle time, push unloading cycle time, tipping unloading cycle time, and pneumatic unloading cycle time (see 3.2, 3.4, 3.5, 3.6, 3.10, 3.11, 3.12, 3.13, 3.14, 3.15);

--Added connection requirements for couplings and fasteners (see 4.2.3);

--Added installation requirements for oil, gas, water and electrical pipelines (see 4.2.4);

--Added requirements for job identification (see 4.2.6);

--Changed reliability requirements (see 4.2.7, 4.5 of the 2013 edition);

--Changed the requirements for operational safety [see 4.3.1, 4.3.2, and 4.1.3 a) and b) of the 2013 edition];

--Added requirements for safety warning signs (see 4.3.3, 4.3.4);

- Added the requirement that the loading mechanism and the unloading mechanism must not operate at the same time (see 4.3.5);
- Added safety brace requirements (see 4.3.6);
- Deleted the requirements for side and rear guards [see 4.1.3 e) of the 2013 edition];
- Added the requirement that the compartment/tank top cover should be equipped with a mechanical locking device (see 4.5.6);
- Changed the pressure bearing capacity requirements for suction-fed food waste trucks (see 4.5.7, 4.3.1.4 of the 2013 edition);
- Changed the hydraulic system sealing requirements (see 4.6.5, 4.3.5.2 of the 2013 edition);
- Changed the pneumatic system requirements (see 4.7.2, 4.3.5.5 of the 2013 edition);
- Changed the requirements for container loading working time (see 4.8.2, 4.3.2.2 of the 2013 edition);
- Changed the requirements for basic parameters of the suction feeding system (see 4.9.2, 4.3.3.2 of the 2013 edition);
- Changed the requirements for push unloading cycle time, tipping unloading time, and pneumatic unloading time (see 4.10.2, 4.10.4, 4.10.5, 2013 4.3.4.2 and 4.3.4.3 of the 2016 edition);
- Added the requirements for closed unloading cycle time (see 4.10.3);
- Changed the requirements for appearance quality inspection, dimensions and quality parameter measurement (see 5.1, 5.2, and 5.2, 5.4 of the 2013 edition);
- Deleted the mandatory inspection requirement; (see 2013 edition 5.3);
- Changed the test method for container loading cycle time (see 5.7.3, 5.7.1 of the 2013 edition);
- The test method for suction loading working time has been changed (see 5.7.4, 5.11.2 of the 2013 edition);
- Added closed unloading cycle time test and tipping unloading cycle time test methods (see 5.7.5 and 5.7.7);
- Changed the push unloading cycle time test and pneumatic unloading cycle time test methods (see 5.7.6, 5.7.8, 2013 edition) 5.7.2);
- The operating noise test method has been changed (see 5.3, 5.12 of the 2013 edition);
- The test methods for compartment/tank water tightness and air tightness have been changed (see 5.4.1, 5.4.2, and 5.10 of the 2013 edition);

- Added tank pressure test method (see 5.4.3);
- Added the hydraulic system sealing test method (see 5.5.1);
- Added the test of hydraulic cylinder settlement of compartment/tank rear door (see 5.5.3);
- Deleted the discharge angle test method (see 5.6.2 of the 2013 edition);
- Reliability test has been modified (see 5.8, 5.13 of the 2013 edition);
- Added inspection item requirements (see 6.1);
- Transportation and storage requirements have been deleted (see 7.3 and 7.4 of the 2013 edition).
- Added normative appendix (see Appendix A).

1 Scope

This document specifies the technical requirements, test methods, inspection rules, markings, product instructions and accompanying documents for food waste trucks.

This document applies to food garbage trucks modified from the standard Class II vehicle chassis.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

Only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document.

GB 1495 Limits and measurement methods for exterior noise during acceleration of motor vehicles
GB 1589 External dimensions, axle loads and mass limits for motor vehicles, trailers and motor vehicle trains
GB/T 3766 General rules and safety requirements for hydraulic transmission systems and their components
GB 7258 Technical conditions for motor vehicle operation safety
GB/T 7932 General rules and safety requirements for pneumatic systems and their components
GB/T 9969 General principles for instructions for use of industrial products
GB/T 12534 General rules for road test methods for motor vehicles
GB/T 12673 Measurement methods for main dimensions of automobiles
GB/T 12674 Methods of measurement of mass parameters of vehicles, trailers and vehicle trains
GB/T 17350 Classification, name and model compilation method for special-purpose vehicles and special-purpose trailers
GB/T 18411 Motor Vehicle Product Labels
CJ/T 280 General Technical Requirements for Plastic Trash Cans
JB/T 5943 General technical requirements for welding parts of construction machinery
QC/T 252 Special Purpose

Vehicle Type Test Procedure QC/T 484 Automobile Paint Coating QC/T 625 Coatings and chemical treatment layers for automobiles QC/T 652 Sewage Suction Truck

3 Terms and Definitions

The terms and definitions defined in GB/T 17350, QC/T 652 and the following apply to this document.

Equipped with feeding mechanism or suction feeding system, unloading mechanism, sealing chamber/tank and other devices, with solid-liquid separation function, in design, production it is a special-purpose vehicle for transporting food waste in terms of its construction and technical characteristics and is used for the collection and transportation of food waste.

Note: The top is closed. If the feed port is located at the top, it can have an openable loading port.

Body/tank total volume the maximum volume inside the compartment/tank.