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**The reciprocating piston natural gas compressor for
the vehicle gas station**

汽车加气站用往复活塞天然气压缩机

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Contents

Foreword.....	3
1 Scope	4
2 Normative References	4
3 Models and basic parameters	5
3.1 Model.....	5
3.2 Basic parameters	5
4 Requirements	6
4.1 Performance	6
4.2 Safety	9
4.3 Material.....	11
4.4 Auxiliary equipment.....	11
4.5 Requirements for a complete set of unit.....	11
5 Test method.....	12
6 Inspection rules	13
6.1 Classification of inspection.....	13
6.2 Type inspection	13
6.3 Inspection in the factory.....	14
6.4 Sampling inspection	14
7 Labeling, packaging and storage	15

Foreword

This standard was proposed by China Machinery Industry Federation.

This standard is under the jurisdiction of National Technical Committee on Compressor of Standardization Administration of China (SAC/TC 145).

The responsible drafting organization is Chongqing Gas Compressor Factory Co., Ltd.

The participating drafting organizations include Enric (bengbu) Compressor Co., Ltd and Sichuan Jinxing Compressor Manufacturing Co., Ltd.

The chief drafting staff of this standard includes Liu Yanqiu, Cao Linguo, Wang Junke, Yang Fulin, Wang Jun and Wu Jun.

The reciprocating piston natural gas compressor for the vehicle gas station

1 Scope

This standard specifies the models, basic parameters, requirements, test method, inspection rules and labeling, packaging, and storage of reciprocating piston natural gas compressor for the vehicle gas station (hereinafter referred to as “compressor”).

This standard is applicable to a compressor with a rated discharge pressure not more than 25 MPa and which is driven by a prime mover with a power not more than 400 kW.

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB 150 Steel pressure vessels

GB 151 Tubular heat exchangers

GB/T 2100 Corrosion-resistant steel castings for general applications

GB 3836.1 Electrical apparatus for explosive gas atmospheres--Part 1: General requirements

GB/T 3853-1998 Displacement compressor—Acceptance tests

GB/T 4980 Determination of sound level for noise emitted by displacement compressors

GB 5330-2003 Industrial woven metal wire cloth (square opening series)

GB/T 7777 Measurement and evaluation of mechanical vibration of displacement compressors

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