

National Standard of the P.R.C.

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Limits for Noise Emitted by Combine Harvesters

(For Approval)

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Issued by The General Administration of Quality
Supervision, Inspection and Quarantine of the P.R.C.

Foreword

This Standard is mandatory.

This Standard is formulated to control the noise emitted by combine harvesters, improve the quality of the environment and work, and protect human health.

This Standard is proposed by The China Machinery Industry Federation.

This Standard is managed by The National Technical Committee for Standardisation of Agricultural Machinery.

This Standard is drafted by The Chinese Academy of Agricultural Mechanisation Sciences, China Harvesting Machinery Corporation, Beiqi Futian Weifang Agricultural Equipment Branch Company, Huzhou Combine Harvester Co., Ltd. of Modern Agricultural Equipment Co., Ltd.

This Standard is drafted chiefly by (individuals) Zhou Chunlin, Yu Dalong, Sun Cheng, and Huang Jiangjun.

Limits for Noise Emitted by Combine Harvesters

1. Scope

This Standard stipulates limits of noise at the operator's position and dynamic environmental noise emitted by combine harvesters.

This Standard applies to various automatic combine harvesters.

2. Normative Documents Quoted

In the utilization of this Standard, the provisions of the documents mentioned below become provisions of the Standard itself. Revisions (excluding corrigenda) or revised versions of mentioned documents which are dated later than this Standard are not applicable to the Standard. However, parties who have reached agreement under this Standard are encouraged to study whether they can apply the latest versions of these documents. If a document mentioned here is not dated, the latest version of it is applicable.

GB/T 16955 Acoustics—Measurement of Noise at the Operator's Position of Tractors and Machinery for Agriculture and Forestry — Survey Method

JB/T 6268 Measurement Methods for Noise Emitted by Automatic Harvesting Machinery

3 Terms and Definitions

3.1 Operator enclosure

Device including the air-conditioning system and pressurisation system and enclosing the operator completely in order to prevent outside air, dirt etc from entering the space around the operator.

3.2 General operation cab

Pellicular device without air-conditioning system or pressurisation system and enclosing the operator completely to improve the operator's work environment.

3.3 Simple cab

Device not enclosing the operator completely but just sheltering the operator from rain and sunshine.

4 Noise limits

Model	Dynamic Environmental Noise dB (A)	Noise at Operator's Position dB (A)
Operator enclosure	87	85
General operation cab		93
Without cab or simple cab		95

5 Methods of Measurement

Dynamic environmental noise emitted by the combine harvester shall be measured in compliance with JB/T 6268. Noise at the operator's position shall be measured in

compliance with GB/T 16955.