

STANDARD

6798

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**Reciprocating internal combustion
engines — Measurement of emitted
airborne noise — Engineering method
and survey method**

*Moteurs alternatifs à combustion interne — Mesurage du bruit aérien
émis — Méthode d'expertise et méthode de contrôle*



Reference number
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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 6798 was prepared by Technical Committee ISO/TC 70, *Internal combustion engines*, Subcommittee SC 5, *Special requirements*.

Annex A forms an integral part of this International Standard. Annex B is for information only.

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Introduction

Control of noise from machines or equipment requires effective exchange of acoustical information among the several parties concerned. These include the manufacturer, the party who fixes specifications, installer and user of the machine or equipment. This acoustical information is obtained from measurements. These measurements are useful only if they are carried out under specified conditions to obtain defined acoustical quantities using standardized instruments.

The sound power level data determined according to this International Standard is essentially independent of the environment in which the data are obtained. This is one of the reasons for using sound power level to characterize the sound emitted by various types of machine equipment.

This International Standard gives requirements for the measurement of the noise emission of reciprocating internal combustion engines. It has been prepared in accordance with ISO 3740 on the basis of ISO 3744 (engineering method) and ISO 3746 (survey method). Due to the special conditions concerning reciprocating internal combustion engines, it is necessary to define different noise sources and to use measurement surfaces differing from those specified in ISO 3744 and ISO 3746.