

American National Standard

*for Outdoor Power Equipment –
Internal Combustion Engine-Powered
Handheld and Backpack Blowers
and Blower-Vacuums –
Safety Requirements and
Performance Testing Procedures*



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ANSI/OPEI
B175.2-2012 (R2019)
Reaffirmation of
ANSI/OPEI B175.2-2012

American National Standard
for Outdoor Power Equipment -

**Internal Combustion Engine-Powered
Handheld and Backpack Blowers
and Blower-Vacuums –
Safety Requirements and
Performance Testing Procedures**

Sponsor

Outdoor Power Equipment Institute

Approved May 23, 2012

Reaffirmation Approved September 9, 2019

Published February 11, 2020

American National Standards Institute, Inc.

American National Standard

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Published by

**American National Standards Institute, Inc.
25 West 43rd Street, New York, NY 10036**

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Printed in the United States of America

Contents

	Page
Foreword	ii
1 Scope and Purpose	1
2 Normative References	1
3 Definitions	2
4 Requirements	5
5 Exhaust Gases	7
6 Handles and Controls	7
7 Harnesses	8
8 Fuel Tanks, Oil Tanks, and Fuel Lines	9
9 Sound Levels	11
10 Vibration	12
11 Blower Performance	12
12 Labeling Requirements	13
13 Operator's Manual(s) Instructions	13
Annexes	
A Sound Test Procedures for Bystander Noise (Section 9.2.2)	27
B Vibration Test Procedures	33
C Blowing Performance Measurement Procedure	38
D Procedures for the Evaluation of Environmental and Fuel Compatibility of Fuel Lines and Tanks	43
Figures	
1 Operating/Blowing or Vacuuming Position	17
2(a) Backpack Blower Nomenclature	18
2(b) Handheld Blower/Blower-Vacuum Nomenclature	19
3 Ceramic Prism	20
4 Weighted Filter Frequency Attenuation Curve	21
5 Accelerometer Mounting for Handheld Blower - Vacuum	22
6 Accelerometer Mounting for Backpack Blower - Vacuum	23
7 Weighted Acceleration Sum (WAS)	24
8 Arm Probe for Tortuous Path Guarding	25
9 Probe for Fuel Line Testing	26
10 Test Cone for Hot Surfaces Contact Test	26

Foreword (This foreword is not part of American National Standard ANSI/OPEI B175.2-2012 (R2019).)

This is a reaffirmation of the ANSI/OPEI B175.2-2012 *American National Standard for Outdoor Power Equipment - Internal Combustion Engine-Powered Hand-Held and Backpack Blowers and Blower-Vacuums - Safety Requirements and Performance Testing Procedures*. This standard was developed under the auspices of the Outdoor Power Equipment Institute (OPEI).

This reaffirmation includes the following non-substantive updates:

- Editorial incorporation of ANSI/OPEI B175.2-2012 A1-2014 amendments into the body of the standard;
- General editorial corrections and clarifications, such as spelling, unit abbreviations, figure references, redundancy, section headers and contact information;
- Section 2: Clarification regarding the intended use of dated and undated normative references;
- Section 4.4.1: Tolerances for the ceramic prism used for guard strength testing, updated to reflect commercially available test prisms and harmonize with ISO;
- Section 8.3: Clarification that the section requirements are intended to cover the fuel feed line;
- Section 9.1: Clarification that the implied "highest sound pressure level" is for the measurement at the operator's ear;
- Section 12.1: Required (verbatim "or other suitable wording") hazard warnings (b) - (e) reworded in the form of recommended language.

This standard contains four normative annexes, which are all considered part of this standard.

Consensus for this standard was achieved by use of the Consensus Body (Canvass) Method.

Suggestions for improvements to this standard are welcome. They should be sent to the Outdoor Power Equipment Institute, 1605 King Street, Alexandria, VA 22314.

The following organizations recognized as having an interest in the standardization of requirements for blowers and blower-vacuums were contacted prior to the approval of this standard. Inclusion in the list does not necessarily imply that the organization concurred with the submittal of the proposal to ANSI.

Robert Stegall, Chairman

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1. Scope and Purpose

1.1. Scope

The requirements of this standard apply to handheld and backpack internal combustion engine-powered blowers and blower-vacuums. This standard does not apply to ride-on, towed, or walk-behind units. This standard does not apply to electrically powered units.

This effective implementation date of this standard shall be two (2) years after the publication date and shall apply to all products built after that date. Manufacturers may also comply with this standard anytime after the publication date.

NOTE – The units in this standard are given in metric. English units are included in parenthesis for information only.

1.2. Purpose

The purpose of this standard is to establish manufacturer requirements to reduce the risk of injury associated with the use of handheld and backpack internal combustion engine-powered blowers and blower-vacuums. This standard may also be used to measure bystander sound pressure levels at 15 meters (50 feet).

2. Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ANSI/ASSE Z87.1-2003, *Practice for Occupational and Educational Personal Eye and Face Protection Devices*