

Submitted for recognition as an American National Standard

## SMALL ENGINE POWER RATING PROCEDURE

**Foreword**—This Document has not been changed other than to put it into the new SAE Technical Standards Board Format.

1. **Scope**—This standard is applicable to small spark ignition and diesel engines, commonly operated outdoors, powering lawn and garden, construction, and general utility equipment. It is not intended to cover engines powering boats, chainsaws or weed eaters.

### 2. References

2.1 **Applicable Publication**—The following publications form a part of the specification to the extent specified herein. Unless otherwise indicated the latest revision of SAE publications shall apply.

2.1.1 SAE PUBLICATION—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J1349—Engine Power Test Code—Spark Ignition

### 3. Test Code

3.1 Test the engine in accordance with the applicable parts of SAE J1349.

### 4. Engine Rating

4.1 When supplying any written quantitative SAE rated data concerning engine power, the engine manufacturer shall provide the following information:

- a. Rated in accordance with SAE J1940.
- b. Power Rating: either corrected gross or corrected net brake power.
- c. The rpm at which the power is rated (typically 3600 rpm). The rating speed shall not exceed the engine manufacturer's maximum operating speed.

4.2 Production engines, after adjustment and run in, shall develop not less than 95% of the corrected gross or net rated brake power at rated rpm.

PREPARED BY THE SAE SPECIALIZED VEHICLE ENGINE COMMITTEE

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

QUESTIONS REGARDING THIS DOCUMENT: (724) 772-8512 FAX: (724) 776-0243  
TO PLACE A DOCUMENT ORDER; (724) 776-4970 FAX: (724) 776-0790  
SAE WEB ADDRESS <http://www.sae.org>