

AHRI Standard 1160-2022 (I-P)

2022 Standard for

Performance Rating of Heat Pump Pool Heaters



we make life better®

2311 Wilson Boulevard, Suite 400
Arlington, VA 22201, USA
www.ahrinet.org
PH 703.524.8800
FX 703.562.1942



Documents

Document Sharing Hub



©Copyright 2022, by Air-Conditioning, Heating, and Refrigeration Institute
Registered United States Patent and Trademark Office
Printed in U.S.A.

**IMPORTANT
SAFETY DISCLAIMER**

AHRI does not set safety standards and does not certify or guarantee the safety of any products, components or systems designed, tested, rated, installed or operated in accordance with this standard/guideline. It is strongly recommended that products be designed, constructed, assembled, installed and operated in accordance with nationally recognized safety standards and code requirements appropriate for products covered by this standard/guideline.

AHRI uses its best efforts to develop standards/guidelines employing state-of-the-art and accepted industry practices. AHRI does not certify or guarantee that any tests conducted under its standards/guidelines will be non-hazardous or free from risk.

ICS Code: 27.080

Note:

This standard supersedes AHRI Standard 1160 (I-P)-2014 with Addendum 1.

For SI ratings see ANSI/AHRI Standard 1161-2014 (SI).

AHRI CERTIFICATION PROGRAM DISCLAIMER

AHRI Standards are developed independently of AHRI Certification activities and can have scopes that include products that are not part of the AHRI Certification Program. The scope of the applicable AHRI Certification Program can be found on AHRI's website at www.ahrinet.org.

Intent

This standard is intended for the guidance of the industry, including manufacturers, engineers, installers, contractors, and users.

Review and Amendment

This standard is subject to review and amendment as technology advances.

2022 Edition

This edition of AHRI Standard 1160-2022 (I-P), *Performance Rating of Heat Pump Pool Heaters* was prepared by the Water Heater Standards Technical Committee. It was issued by the Heating Standards Subcommittee in December 2022.

Origin and Development of AHRI Standard 1160

The standard was first published as ARI Standard 1160-2004 *Performance Rating of Heat Pump Pool Heaters*. Subsequent publications were:

ARI Standard 1160-2007 *Performance Rating of Heat Pump Pool Heaters*

AHRI Standard 1160-2008 *Performance Rating of Heat Pump Pool Heaters*

AHRI Standard 1160-2009 *Performance Rating of Heat Pump Pool Heaters*

In 2009 the standard was revised. AHRI 1160 (I-P) and AHRI 1161-2009 (SI) were published for the first time. Both versions were approved as American National Standards (ANS) on 3 November 2011.

In 2014 the standard was revised and was approved as an ANS on 19 November 2014.

In 2015 Addendum 1 was published to update Table 2 to remove the phrase, “however it may be no lower than 30 gpm.”

Summary of Changes

AHRI Standard 1160-2022 (I-P) contains the following update(s) to the previous edition:

- Incorporated Addendum 1 (March 2015) that updated [Table 2](#) to remove the phrase, “however it may be no lower than 30 gpm.”
- Minor editorial changes and updates

Participant	Interest Category Classification	Voting Member Role	State / Country
Jeff Kleiss, Chair Lochinvar, LLC	Product Manufacturer	Primary	TN
James Abraham Bosch Thermotechnology Corp	Product Manufacturer	Primary	NH
John Bade 2050 Partners, Inc.	General Interest	Primary	CA
Joe Boros Rheem Sales Company, Inc.	Product Manufacturer	Primary	AL
Abigail Daken U.S. Environmental Protection Agency (Energy Star Program)	Regulatory Agency	Primary	DC
Renee Eddy Rinnai America Corporation	Product Manufacturer	Primary	GA
Julian Ferrante Bradford White Corp.	Product Manufacturer	Primary	PA
George Gurlaskie Duke Energy	General Interest	Primary	NC
Byron Horak Intertek	Testing Laboratory	Primary	NY
Behrooz Mohebbi Pentair Aquatic Systems	Product Manufacturer	Primary	NC
John O'Hare Hayward Industries, Inc.	Product Manufacturer	Primary	NC
Brian Pickett Ariston Thermo USA LLC	Product Manufacturer	Primary	MA
Judd Smith CSA America Testing & Certificate LLC	Testing Laboratory	Primary	OH
Craig Tsai GE Appliances, a Haier Company	Product Manufacturer	Primary	KY
Greg Beaty Hayward Industries, Inc.	Product Manufacturer	Alternate to John O'Hare	TN
Brain Branecky A. O. Smith Corporation	Product Manufacturer	Alternate to Jeff Kleiss	WI
Joshua Goncalves Ariston Thermo USA LLC	Product Manufacturer	Alternate to Brian Pickett	MA
Paul Hikspoors Usines GIANT Factories Inc	Product Manufacturer	Alternate to Jeff Kleiss	QC
Amber Humphries A. O. Smith Corporation	Product Manufacturer	Alternate to Jeff Kleiss	WI
Bob Krmpotich Rheem Sales Company, Inc.	Product Manufacturer	Alternate to Joe Boros	GA
James Phillips Rheem Sales Company, Inc.	Product Manufacturer	Alternate to Joe Boros	GA
Bill Roy Hayward Industries, Inc.	Product Manufacturer	Alternate to John O'Hare	NC
John Schlafer	Product Manufacturer	Alternate to Craig Tsai	KY
Tyler Styles Intertek	Testing Laboratory	Alternate to Byron Horak	NY
Brian Teeter CSA America Testing & Certificate LLC	Testing Laboratory	Alternate to Judd Smith	OH

Participant	Interest Category Classification	Voting Member Role	State / Country
Eric Truskoski Bradford White Corp.	Product Manufacturer	Alternate to Julian Ferrante	PA
Alex Ussery Intertek	Testing Laboratory	Alternate to Byron Horak	NY
James York Rheem Sales Company, Inc.	Product Manufacturer	Alternate to Joe Boros	GA
Jacob (Cobi) Waxman	AHRI Staff Liaison		

Water Heater Standards Technical Committee Scope: This committee shall have responsibility for the development and maintenance of AHRI standards and guidelines pertaining to residential and commercial water heaters and pool heaters.