



**BSR/ASHRAE/IES Addendum q
to ANSI/ASHRAE/IES Standard 90.1-2025**

Public Review Draft

Proposed Addendum q to Standard 90.1-2025, Energy Standard for Sites and Buildings Except Low- Rise Residential Buildings

**First Public Review (August 2026)
(Draft Shows Proposed Changes to Current Standard)**

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ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092

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(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

This addendum removes the definition of kilowatt. The definition in the Standard is the typical definition found in any dictionary or engineering document. There is no benefit to defining this term. Definitions shown in this addendum use kW and show the removal in that definition in case a concern relates to that definition and this change.

By removing the definition, the abbreviation no longer needs to be indicated as a defined term. The abbreviation list shows the term, but in a non-defined term manner. There are uses of “kW” in the Standard that will revert to “kW” if this addendum is adopted.

This is an editorial addendum and does not have cost implications.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum q to 90.1-2025

Update definitions in Section 3 as follows:

3.0 Definitions

[...]

fan system airflow: the sum of the airflow of all fans with *fan electrical input power* greater than 1 ~~kW~~ kW at *fan system design conditions*, excluding the airflow that passes through downstream fans with *fan electrical input power* not greater than 1 ~~kW~~ kW.

[...]

IEC Design H motor: an electric motor that

- is an induction motor designed for use with three-phase power;
- contains a cage rotor
- is capable of direct-on-line starting;
- has 4, 6, or 8 poles;
- is rated from 0.4 to 1600 ~~kW~~ kW at a frequency of 60 Hz; and
- conforms to Sections 8.1, 8.2, and 8.3 of IEC 60034-12 (edition 2.1) requirements for starting torque, locked rotor apparent power, and starting.

IEC Design N motor: an electric motor that

- is an induction motor designed for use with three-phase power;
- contains a cage rotor;
- is capable of direct-on-line starting;
- has 2, 4, 6, or 8 poles;
- is rated from 0.4 to 1600 ~~kW~~ kW at a frequency of 60 Hz; and
- conforms to Sections 6.1, 6.2, and 6.3 of IEC 60034-12 (edition 2.1) requirements for torque characteristics, locked rotor apparent power, and starting.

IEC Design NE: an electric motor that

- is an induction motor designed for use with three-phase power;
- contains a cage rotor;
- is capable of direct-on-line starting;
- has 2, 4, 6, or 8 poles;
- is rated from 0.12 to 1600 kW at a frequency of 60 Hz; and
- conforms to Section 6.1, Table 3, and Section 6.3 of the IEC 60034-12 (edition 3.0) specifications for starting torque, locked rotor apparent power, and starting requirements, respectively.

IEC Design NEY: an electric motor that

- is an induction motor designed for use with three-phase power;
- contains a cage rotor;
- is capable of star-delta starting;
- has 2, 4, 6, or 8 poles;
- is rated from 0.12 to 1600 kW at a frequency of 60 Hz; and
- conforms to Section 5.4, Table 3, and Section 6.3 of the IEC 60034-12 (edition 3.0) specifications for starting torque, locked rotor apparent power, and starting requirements, respectively.

IEC Design NY: an electric motor that

- is an induction motor designed for use with three-phase power;
- contains a cage rotor;
- is capable of star-delta starting;
- has 2, 4, 6, or 8 poles;

- e. is rated from 0.12 to 1600 kW at a frequency of 60 Hz; and
- f. conforms to Section 5.4, Section 6.2 and Section 6.3 of the IEC 60034-12 (edition 3.0) specifications for starting torque, locked rotor apparent power, and starting requirements, respectively.

[...]
kilovolt-ampere (kVA): where the term *kilovolt-ampere* is used in this standard, it is the product of the line current (amperes) times the nominal *system* voltage (kilovolts) times 1.732 for three-phase currents. For single-phase applications, *kVA* is the product of the line current (amperes) times the nominal *system* voltage (kilovolts).

~~**kilowatt (kW):** the basic unit of electric power, equal to 1000 W.~~

[...]

3.3 Abbreviations and Acronyms

<i>kVA</i>	<i>kilovolt-ampere</i>
<i>kW</i>	<i>kilowatt</i>
<u>kW</u>	<u>kilowatt</u>
<i>L</i>	length of a <i>linear thermal bridge</i>
LED	light-emitting diode

[...]
(Note to reviewers: all instances of italicized kW and kilowatt will be editorially changed throughout the standard.)