BSR/ASHRAE/IES Addendum h
to ANSI/ASHRAE/IES Standard 90.1-2025

Public Review Draft

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

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

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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

Addendum AE to the ASHRAE 90.1-2022 standard made a mistake in the $COP2_5$ efficiency valve for Split-Systems and Single-Package air-source HP air conditioners for the capacity range of ≥135,000 Btu/h and <240,000 Btu/h and the equivalent metric valves for Electric resistance (or none) and all other including dual fuel heat pumps was listed as 1.52 and should be 1.56 for both the IP and SI tables.

The same mistake was made for HP Condensing units air-source for the capacity range of ≥135,000 Btu/h and <240,000 Btu/h and the equivalent metric valves was listed as 1.52 and should be 1.56 for both the IP and SI tables.

This was a typo made when developing the new tables and has no impact on cost.

As the cost justification for the changes to the table were done as part of the original addendum AE. This addendum is just a correction so there is not impact on cost and energy savings.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) and yellow highlight is added to showcase the changes, 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 h to 90.1-2025

Make the following corrections to the I-P table 6.8.1.2 Rows not shown remain unchanged:

Table 6.8.1-2 Electrically Operated Air Source Unitary Heat Pumps – Minimum Efficiency requirements (I-P)

Equipment Type	Size Category	Heating Section Type	Subcategory	Minimum Efficiency [d]	Test Procedure[a]
HP Air-Source Unitary Three-Phase Air Cooled Air Conditioners					
	≥135,000 Btu/h and <240,000 Btu/h	*Electric resistance* (or none)	All U.S. and outside U.S. applications	10.6 *EER*, 13.5 *IEER* 3.30 COP_{H47}, 2.05 COP_{H17} before 1/1/2029 9.9 *EER2*, 13.1 *IVEC*, 1.99 $COP2_{H17}$, ~~1.52~~1.56 $COP2_{H5}$ [c] 6.00 *IVHE*, 5.71 $IVHE_C$ [c] on or after 1/1/2029	
		All other including dual fuel heat pumps [f]		10.4 *EER*, 13.3 *IEER* 3.30 COP_{H47}, 2.05 COP_{H17} before 1/1/2029 9.7 *EER2*, 13.1 *IVEC*, 1.99 $COP2_{H17}$, ~~1.52~~1.56 $COP2_{H5}$ [c] 6.00 *IVHE*, 5.68 $IVHE_C$ [c] on or after 1/1/2029	
HP Air-Source Air-Cooled *Condensing Unit* ≥135,000 Btu/h					
HP *Condensing units* air-source	≥135,000 Btu/h and <240,000 Btu/h	All	All U.S. and outside U.S. applications	No requirements before 1/1/2029 9.9 *EER2*, 13.1 *IVEC* 1.99 $COP2_{H17}$, ~~1.52~~1.56 $COP2_{H5}$ [c] 6.00 *IVHE*, 5.68 $IVHE_C$ [c] on or after 1/1/2029	AHRI 365 before 1/1/2029 AHRI 1365 on or after 1/1/2029

Make the following corrections to the SI table 6.8.1.2. Rows not shown remain unchanged:

Table 6.8.1-2 Electrically Operated Air Source Unitary Heat Pumps – Minimum Efficiency requirements (SI)

Equipment Type	Size Category	Heating Section Type	Subcategory	Minimum Efficiency [d]	Test Procedure[a]
HP Air-Source Unitary Three-Phase Air Cooled Air Conditioners					
	≥40 *kW* and <70 *kW*	*Electric resistance* (or none)	All U.S. and outside U.S. applications	3.11 COP_C, 3.90 $ICOP_C$ 3.30 COP_{H47}, 2.05 COP_{H17} before 1/1/2029 2.84 $COP2_C$, 3.84 *IVEC*, 1.99 $COP2_{H17}$, ~~1.52~~1.56 $COP2_{H5}$ [c] 1.76 *IVHE*, 1.67 $IVHE_C$ [c] on or after 1/1/2029	
		All other including dual fuel heat pumps [f]		2.93 COP_C, 3.90 $ICOP_C$ 3.30 COP_{H47}, 2.05 COP_{H17} before 1/1/2029 2.84 $COP2_C$, 3.84 *IVEC*, 1.99 $COP2_{H17}$, ~~1.52~~1.56 *C* $COP2_{H5}$ [c] 1.76 *IVHE*, 1.66 $IVHE_C$ [c] on or after 1/1/2029	
HP Air-Source Air-Cooled *Condensing Unit*≥40 *kW*					
HP *Condensing units* air-source	≥40 *kW* and <70 *kW*	All	All U.S. and outside U.S. applications	No requirements before 1/1/2029 2.90 $COP2_C$, 3.84 *IVEC* 1.99 $COP2_{H17}$, ~~1.52~~1.56 $COP2_{H5}$ [c] 1.76 *IVHE*, 1.67 $IVHE_C$ [c] on or after 1/1/2029	AHRI 365 before 1/1/2029 AHRI 1365 on or after 1/1/2029