

GG330-14

A106.2.2.3, Table A106.2.2.3, A106.2.2.4

THIS CODE CHANGE PROPOSAL IS ON THE AGENDA OF THE IgCC ENERGY/WATER CODE DEVELOPMENT COMMITTEE. SEE THE HEARING ORDER FOR THE IgCC ENERGY/WATER CODE DEVELOPMENT COMMITTEE.

Proponent: Brenda Thompson, Chair, representing Sustainability, Energy, High Performance Code Action Committee (SEHPCAC@iccsafe.org)

Delete without substitution:

~~**A106.2.2.3 Ground source heat pumps.** Ground source heat pumps shall meet the provisions of Table A106.2.2.3 based on the applicable referenced test procedure.~~

~~**A106.2.2.4 Multi-stage ground source heat pumps.** The efficiency of multi-stage ground source heat pumps shall meet the provisions of Table A106.2.2.3 based on the applicable referenced test procedure.~~

**TABLE A106.2.2.3
ENERGY-EFFICIENCY CRITERIA FOR GROUND SOURCE HEAT PUMPS**

PRODUCT TYPE	MINIMUM EER	MINIMUM COP
Water-to-Air Closed loop TEST PROCEDURE - ISO 13256-1	44.1	3.3
Water-to-Air Open loop TEST PROCEDURE - ISO 13256-1	46.2	3.6
Water-to-Water Closed loop TEST PROCEDURE - ISO 13256-2	45.1	3.0
Water-to-Water Open loop TEST PROCEDURE - ISO 13256-2	49.1	3.4
Direct Expansion (DX) or Direct GeoExchange (DGX) TEST PROCEDURE - AHRI 870	45.0	3.5

EER = energy efficiency ratio; COP = coefficient of performance

Reason: The project electives in Appendix A are intended to recognize performance that exceeds the minimum requirements in the body of the IgCC

As the project electives related to ground source heat pumps in Appendix A simply repeat the mandatory requirements in the body of the code (in Sections 606.2.2.1 and 606.2.2.2 and Table 606.2.2.1), and do not exceed the performance required in the body of the code, they should be deleted.

This proposal was submitted by the ICC Sustainability Energy and High Performance Code Action Committee (SEHPCAC). The SEHPCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance International Codes with regard to sustainability, energy and high performance as it relates to the built environment included, but not limited to, how these criteria relate to the International Green Construction Code (IgCC) and the International Energy Conservation Code (IECC). This includes both the technical aspects of the codes as well as the code content in terms of scope and application of referenced standards. In 2012 and 2013, the SEHPCAC has held six two-day open meetings and 50 workgroup calls, which included members of the SEHPCAC as well as any interested parties, to discuss and debate proposed changes and public comments. Related documentation and reports are posted on the SEHPCAC website at: <http://www.iccsafe.org/cs/SEHPCAC/Pages/default.aspx>.

Cost Impact: Will not increase the cost of construction.

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