



## ADVISORY COMMITTEE COMMENT FORM FOR PROPOSED CODE CHANGES

(This form must be submitted electronically)

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**1323, CE- 35**

### Proposed Code Change - Language

2012 IECC Chapter 4 COMMERCIAL ENERGY EFFICIENCY  
 Table C403.2.3(10) Electrically Operated Variable Refrigerant Flow Air-Conditioners – Minimum Efficiency Requirements

Add the following Table, which is a reproduction of ASHRAE Table 6.8.1I:

~~TABLE 6.8.1I~~ **TABLE** ~~Electrically Operated Variable Refrigerant Flow Air Conditioners—~~  
**C403.2.3(10)** ~~Minimum Efficiency Requirements~~

Equipment Type	Size Category	Heating Section Type	Sub-Category or Rating Condition	Minimum Efficiency	Test Procedure
VRF Air Conditioners, Air Cooled	<65,000 Btu/h	All	VRF Multi-split System	13.0 SEER	AHRI 1230
				11.2 EER	
	≥65,000 Btu/h and <135,000 Btu/h	Electric Resistance (or none)	VRF Multi-split System	12.5 IEER	
	≥135,000 Btu/h and <240,000 Btu/h	Electric Resistance (or none)	VRF Multi-split System	13.1 IEER(as of 7/1/2012)	
	≥240,000 Btu/h	Electric Resistance (or none)	VRF Multi-split System	11.0 EER 12.3 IEER 12.5 IEER(as of 7/1/2012)	
	≥240,000 Btu/h	Electric Resistance (or none)	VRF Multi-split System	10.0 EER 11.1 IEER 11.6 IEER (as of 7/1/2012)	

### Proposed Code Change – Need and Reason

Reason: Variable refrigerant flow (VRF) systems are becoming more common, and there needs to be minimum efficiency requirements of those systems.

### Proposed Code Change – Cost/Benefit Analysis

The benefit of the proposed code change is that established minimum efficiency of Variable Refrigerant Flow systems, which are becoming more popular and common in mechanical systems.

**Other Factors to Consider Related to Proposed Code Change**

1. Is this proposed code change meant to:

Xchange language contained in a published code book? If so, list section(s). 2012 IECC Table identified above

change language contained in an existing amendment in Minnesota Rule? If so, list Rule part(s).

delete language contained in a published code book? If so, list section(s).

delete language contained in an existing amendment in Minnesota Rule? If so, list Rule part(s).

neither; this language will be new language, not found in the code book or in Minnesota Rule.

2. Is this proposed code change required by a Minnesota Statute or new legislation? If so, please provide the citation to the Statute or legislation. No

3. Will this proposed code change impact other sections of a published code book or of an amendment in Minnesota Rule? If so, please list the affected sections or rule parts. No

4. Will this proposed code change impact other parts of the Minnesota State Building Code? If so, please list the affected parts of the Minnesota State Building Code. No

5. Who are the parties affected or segments of industry affected by this proposed code change? Designers, users, and equipment suppliers of VRF systems.

6. Can you think of other means or methods to achieve the purpose of the proposed code change? If so, please explain what they are and why your proposed change is the preferred method or means to achieve the desired result. No

7. Are you aware of any federal requirement or regulation related to this proposed code change? If so, please list the regulation or requirement. No