

111TH CONGRESS  
2D SESSION

# H. R. 5789

To create clean energy jobs and set efficiency standards for small-duct high-velocity air conditioning and heat pump systems, and for other purposes.

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## IN THE HOUSE OF REPRESENTATIVES

JULY 20, 2010

Mr. CARNAHAN (for himself and Mr. SHIMKUS) introduced the following bill; which was referred to the Committee on Ways and Means, and in addition to the Committee on Energy and Commerce, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

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## A BILL

To create clean energy jobs and set efficiency standards for small-duct high-velocity air conditioning and heat pump systems, and for other purposes.

1       *Be it enacted by the Senate and House of Representa-*  
2       *tives of the United States of America in Congress assembled,*

3       **SECTION 1. SHORT TITLE.**

4       This Act may be cited as the “SDHV Energy Effi-  
5       ciency Standards for America Act of 2010”.

6       **SEC. 2. FINDINGS.**

7       Congress makes the following findings:

1           (1) The Department of Energy grouped small-  
 2           duct high-velocity systems with all air conditioners  
 3           and heat pumps in a final rule published on January  
 4           22, 2001.

5           (2) The Department of Energy subsequently  
 6           published and established the minimum efficiency  
 7           standard for small-duct high-velocity systems and in-  
 8           formed all manufacturers of these products to re-  
 9           quest exception relief in order to legally sell these  
 10          products in the United States.

11 **SEC. 3. STANDARDS FOR SMALL-DUCT HIGH-VELOCITY AIR**  
 12 **CONDITIONING AND HEAT PUMP SYSTEMS.**

13          (a) STANDARDS.—Section 325(d) of the Energy Pol-  
 14          icy and Conservation Act (42 U.S.C. 6295(d)) is amend-  
 15          ed—

16               (1) in paragraph (1), by adding at the end the  
 17          following:

18                       “(C) Small-duct high-velocity systems:  
 19                       11.00 for products manufactured on or after  
 20                       January 23, 2006.”; and

21               (2) in paragraph (2), by adding at the end the  
 22          following:

23                       “(C) Small-duct high-velocity systems: 6.8  
 24                       for products manufactured on or after January  
 25                       23, 2006.”.

1 (b) DEFINITION.—Section 321 of the Energy Policy  
2 and Conservation Act (42 U.S.C. 6291) is amended by  
3 adding at the end the following new paragraph:

4 “(67) SMALL-DUCT, HIGH VELOCITY SYSTEM.—  
5 The term ‘small-duct, high-velocity system’ means a  
6 heating and cooling product that contains a blower  
7 and indoor coil combination that—

8 “(A) is designed for, and produces, at least  
9 1.2 inches of external static pressure when op-  
10 erated at the certified air volume rate of 220–  
11 350 cubic feet per minute per rated ton of cool-  
12 ing; and

13 “(B) when applied in the field, uses high  
14 velocity room outlets generally greater than  
15 1,000 feet per minute that have less than 6.0  
16 square inches of free area.”.

17 (c) AMENDMENT OF STANDARDS.—

18 (1) IN GENERAL.—The Secretary may, by rule,  
19 amend the standards established for small-duct high-  
20 velocity air conditioning and heat pump systems  
21 under the amendments made by this section.

22 (2) EFFECTIVE DATE.—Standards as amended  
23 pursuant to paragraph (1) shall not take effect less  
24 than 5 years after the final rule making the amend-  
25 ment is published.

1           (3) DETERMINATION.—Not later than June 30,  
 2           2011, the Secretary shall publish a final rule to de-  
 3           termine whether standards for small-duct, high-ve-  
 4           locity systems should be amended.

5 **SEC. 4. CREDIT FOR NONBUSINESS SMALL-DUCT, HIGH-VE-**  
 6 **LOCITY AIR CONDITIONING AND HEAT PUMP**  
 7 **SYSTEMS.**

8           (a) IN GENERAL.—Paragraph (3) of section 25C(d)  
 9           of the Internal Revenue Code of 1986 (relating to energy-  
 10          efficient building property) is amended by striking “and”  
 11          at the end of subparagraph (D), by striking the period  
 12          at the end of subparagraph (E) and inserting “, and”,  
 13          and by adding at the end the following new subparagraph:

14                   “(F) a small-duct high-velocity central air  
 15                   conditioning and heat pump system which  
 16                   has—

17                           “(i) a seasonal energy efficiency ratio  
 18                           of no less than 11.00,

19                           “(ii) a heating seasonal performance  
 20                           factor of no less than 6.80, and

21                           “(iii) a duct system that has less than  
 22                           5 percent air leakage.”.

23           (b) SMALL-DUCT HIGH-VELOCITY CENTRAL AIR  
 24          CONDITIONING AND HEAT PUMP SYSTEM.—Subsection

1 (d) of section 25C of such Code is amended by adding  
2 at the end the following new paragraph:

3 “(7) SMALL-DUCT HIGH-VELOCITY CENTRAL  
4 AIR CONDITIONING AND HEAT PUMP SYSTEM.—The  
5 term ‘small-duct high-velocity central air condi-  
6 tioning and heat pump system’ means a heating and  
7 cooling product that contains a blower and indoor  
8 coil combination that—

9 “(A) is designed for, and produces, at least  
10 1.2 inches of external static pressure when op-  
11 erated at the certified air volume rate of 220–  
12 350 cubic feet per minute per rated ton of cool-  
13 ing, and

14 “(B) when applied in the field, uses room  
15 outlets—

16 “(i) having a velocity which is gen-  
17 erally greater than 1,000 feet per minute,  
18 and

19 “(ii) having less than 6 square inches  
20 of free area.”.

21 (c) TERMINATION.—Paragraph (2) of section 25C(g)  
22 of such Code (relating to termination) is amended by in-  
23 serting “(December 31, 2013, in the case of small-duct  
24 high-velocity central air conditioning and heat pump sys-  
25 tems)” after “December 31, 2010”.

1       (d) EFFECTIVE DATE.—The amendments made by  
2 this section shall apply to property placed in service after  
3 the date of the enactment of this Act in taxable years end-  
4 ing after such date.

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