



As part of the American Recovery and Reinvestment Act of 2009 (ARRA), the United States Tax Code was revised to expand the existing tax credit available to consumers related to the installation of geothermal heat pumps. As a result, consumers purchasing qualified systems now can take a one-time tax credit equal to 30% of the investment in the geothermal system, including installation costs, without a cap.

A new Energy Star specification for geothermal heat pumps went into effect on December 1, 2009. The qualifications for Energy Star were expanded and Water-to-Water units were added. A listing of FHP units meeting the new Energy Star requirements is attached.

A qualified system must meet the following requirements:

- Installed after January 1, 2009 and before December 31, 2016¹.
- According to the Internal Revenue Service (IRS) guidance, the Federal tax credit is tied to the Energy Star specification that is in effect at the date of purchase.
- EnergyStar encourages the use of a heat recovery² module but this is not required under the guidelines effective December 1, 2009.
- Installed in a residence (not limited to primary residence).
- For purposes of Energy Star qualification, geothermal heat pumps include the following: open loop, closed loop, and DGX and are powered by a single phase current.

Please complete the information below, and keep this certificate for your records. We advise consulting with your tax advisor for further information on the eligibility of your installation for the tax credit.

Installing Contractor Information

Name: _____

Address: _____

Phone: _____

Installation Date: _____

Geothermal Closed Loop System

Water-to-Air 14.1 EER and 3.3 COP or greater*
Water-to-Water 15.1 EER and 3.0 COP or greater*

Model Number: _____

Geothermal Open Loop System

Water-to-Air 16.2 EER and 3.6 COP or greater*
Water-to-Water 19.1 EER and 3.4 COP or greater*

Model Number: _____

ARI Reference #: _____

*Consult efficiencies, ARI reference and Energy Star ratings by model number, starting on page 2.

¹ Products installed between January 1, 2008 and December 31, 2008 are eligible for a 30% tax credit but such credit would be capped at \$2000.00.

² Prior to December 1, 2009 Energy Star required that a geothermal heat pump must provide some or all of the domestic water heating. Units without the domestic water heating option may not meet Energy Star's requirements prior to December 1, 2009.

FHP Manufacturing Co. Performance Ratings

ARI Ref.#	Model #	Ground Water			Ground Loop		
		EER	COP	Energy Star Rated	EER	COP	Energy Star Rated
Water-to-Air Units							
1486796	AP025-1CF/HZ/VT	28.8	5.2	Yes	23.5	4.4	Yes
1486883	AP025-1CS-AH/AV	28.7	5.1	Yes	23.4	4.3	Yes
1486797	AP035-1CF/HZ/VT	28.8	5.0	Yes	23.5	4.5	Yes
1486884	AP035-1CS-AH/AV	28.7	4.9	Yes	23.4	4.4	Yes
1486868	AP049-1CF/HZ/VT	28.3	4.9	Yes	23.5	4.4	Yes
1486885	AP049-1CS-AH/AV	23.7	4.8	Yes	23.4	4.3	Yes
1486871	AP061-1CF/HZ/VT	28.4	5.1	Yes	23.1	4.4	Yes
1486886	AP061-1CS-AH/AV	28.3	5.0	Yes	23.0	4.3	Yes
1486872	AP071-1CF/HZ/VT	25.3	4.7	Yes	21.6	4.1	Yes
1486916	AP071-1CS-AH/AV	25.2	4.6	Yes	21.5	4.0	Yes
963441	AU025-1CF/HZ/VT	27.0	4.6	Yes	21.6	3.9	Yes
963712	AU025-1CS-AH/AV	26.5	4.5	Yes	21.2	3.8	Yes
963440	AU035-1CF/HZ/VT	24.8	4.4	Yes	20.9	3.9	Yes
963713	AU035-1CS-AH/AV	24.8	4.3	Yes	20.5	3.8	Yes
963442	AU049-1CF/HZ/VT	21.5	4.4	Yes	18.7	3.8	Yes
963714	AU049-1CS-AH/AV	21.1	4.3	Yes	18.3	3.7	Yes
963439	AU061-1CF/HZ/VT	22.9	4.5	Yes	19.6	3.8	Yes
963715	AU061-1CS-AH/AV	22.4	4.4	Yes	19.2	3.7	Yes
963435	AU071-1CF/HZ/VT	22.4	4.1	Yes	19.1	3.7	Yes
963716	AU071-1CS-AH/AV	22.0	4.0	Yes	18.7	3.6	Yes
567146	EC007-0CF/HZ/VT	20.0	4.0	Yes	15.0	3.2	No
567835	EC007-1CF/HZ/VT	20.0	4.0	Yes	15.0	3.2	No
567827	EC009-0CF/HZ/VT	20.0	3.8	Yes	14.8	3.2	No
567792	EC009-1CF/HZ/VT	20.0	3.8	Yes	14.8	3.2	No
567781	EC009-2CF/HZ/VT	20.0	3.8	Yes	14.8	3.2	No
567838	EC012-0CF/HZ/VT	19.0	3.6	Yes	14.5	3.1	No
567765	EC012-1CF/HZ/VT	19.0	3.6	Yes	14.5	3.1	No
567794	EC015-1CF/HZ/VT	19.0	3.8	Yes	15.0	3.3	Yes
567782	EC018-1CF/HZ/VT	19.0	3.8	Yes	14.1	3.3	Yes
567818	EC018-1CS-AH/AV	18.8	3.7	Yes	14.1	3.3	Yes
567793	EC024-1CF/HZ/VT	20.6	3.8	Yes	15.2	3.3	Yes
567845	EC024-1CS-AH/AV	20.2	3.7	Yes	14.9	3.3	Yes
567813	EC030-1CF/HZ/VT	18.6	3.8	Yes	14.4	3.3	Yes
567823	EC030-1CS-AH/AV	18.2	3.7	Yes	14.3	3.3	Yes
567789	EC036-1CF/HZ/VT	19.5	4.0	Yes	15.5	3.3	Yes
567847	EC036-1CS-AH/AV	19.3	3.8	Yes	15.3	3.3	Yes
567785	EC042-1CF/HZ/VT	18.5	3.8	Yes	14.2	3.3	Yes
567807	EC042-1CS-AH/AV	18.3	3.7	Yes	14.1	3.3	Yes
567820	EC048-1CF/HZ/VT	20.6	4.2	Yes	15.4	3.5	Yes

ARI Ref.#	Model #	Ground Water			Ground Loop		
		EER	COP	Energy Star Rated	EER	COP	Energy Star Rated
567822	EC048-1CS-AH/AV	20.2	4.1	Yes	15.1	3.4	Yes
567829	EC051-1CF/HZ/VT	20.6	4.2	Yes	15.5	3.6	Yes
567806	EC060-1CF/HZ/VT	18.3	3.9	Yes	14.7	3.3	Yes
567796	EC060-1CS-AH/AV	17.9	3.8	Yes	14.4	3.3	Yes
567778	EC061-1CF/HZ/VT	19.7	4.1	Yes	15.8	3.5	Yes
567780	EC070-1CF/HZ/VT	19.8	4.0	Yes	15.2	3.3	Yes
567824	EC070-1CS-AH/AV	19.4	3.9	Yes	14.9	3.3	Yes
384222	ES018-1CF/HZ/VT	27.4	4.4	Yes	19.6	3.5	Yes
549656	ES018-1CS-AH/AV	27.4	4.4	Yes	19.6	3.5	Yes
384240	ES024-1CF/HZ/VT	21.9	3.7	Yes	15.9	3.4	Yes
549645	ES024-1CS-AH/AV	21.5	3.6	Yes	15.6	3.3	Yes
961515	ES025-1CF/HZ/VT	27.0	4.6	Yes	21.6	3.9	Yes
1277483	ES025-1CS-AH/AV	26.5	4.5	Yes	21.2	3.8	Yes
384230	ES030-1CF/HZ/VT	25.0	4.2	Yes	19.0	3.5	Yes
549647	ES030-1CS-AH/AV	25.4	4.1	Yes	19.7	3.4	Yes
433666	ES035-1CF/HZ/VT	24.8	4.4	Yes	20.9	3.9	Yes
1277603	ES035-1CS-AH/AV	24.8	4.3	Yes	20.5	3.8	Yes
384232	ES036-1CF/HZ/VT	23.9	4.4	Yes	19.0	3.5	Yes
549631	ES036-1CS-AH/AV	23.4	4.3	Yes	18.6	3.4	Yes
384234	ES042-1CF/HZ/VT	21.6	4.1	Yes	16.5	3.3	Yes
549652	ES042-1CS-AH/AV	21.2	4.0	Yes	16.2	3.3	Yes
384236	ES048-1CF/HZ/VT	21.6	4.3	Yes	17.2	3.5	Yes
549648	ES048-1CS-AH/AV	21.2	4.2	Yes	16.9	3.4	Yes
433667	ES049-1CF/HZ/VT	21.5	4.4	Yes	18.7	3.8	Yes
1277674	ES049-1CS-AH/AV	21.1	4.3	Yes	18.3	3.7	Yes
384238	ES060-1CF/HZ/VT	20.1	3.9	Yes	15.6	3.3	Yes
549634	ES060-1CS-AH/AV	19.7	3.8	Yes	15.3	3.3	Yes
433668	ES061-1CF/HZ/VT	22.9	4.5	Yes	19.6	3.8	Yes
3292757	ES061-1CS-AH/AV	22.4	4.4	Yes	19.2	3.7	Yes
384241	ES070-1CF/HZ/VT	20.3	4.1	Yes	15.6	3.3	Yes
549643	ES070-1CS-AH/AV	22.0	4.0	Yes	18.7	3.6	Yes
963435	ES071-1CF/HZ/VT	22.4	4.1	Yes	19.1	3.7	Yes
1483612	EV018-1CF/HZ/VT	25.4	4.3	Yes	18.5	3.4	Yes
1483617	EV024-1CF/HZ/VT	20.3	3.6	Yes	15.0	3.3	Yes
1487014	EV024-1CS-AH/AV	19.9	3.6	Yes	14.7	3.3	Yes
194233	EV030-1CF/HZ/VT	24.0	4.1	Yes	18.0	3.4	Yes
1487015	EV030-1CS-AH/AV	23.5	4.0	Yes	17.6	3.3	Yes
194230	EV036-1CF/HZ/VT	22.6	4.3	Yes	17.4	3.4	Yes
1487016	EV036-1CS-AH/AV	22.1	4.2	Yes	17.1	3.3	Yes
194257	EV042-1CF/HZ/VT	20.0	4.0	Yes	15.3	3.3	Yes

ARI Ref.#	Model #	Ground Water			Ground Loop		
		EER	COP	Energy Star Rated	EER	COP	Energy Star Rated
194257	EV042-1CF/HZ/VT	20.0	4.0	Yes	15.3	3.3	Yes
1487032	EV042-1CS-AH/AV	19.6	3.9	Yes	15.0	3.3	Yes
194237	EV048-1CF/HZ/VT	20.6	4.2	Yes	16.4	3.4	Yes
1487033	EV048-1CS-AH/AV	20.2	4.1	Yes	16.1	3.3	Yes
194263	EV060-1CF/HZ/VT	19.2	3.8	Yes	15.0	3.3	Yes
1487034	EV060-1CS-AH/AV	18.8	3.7	Yes	14.7	3.3	Yes
1483615	EV070-1CF/HZ/VT	19.8	4.0	Yes	15.2	3.3	Yes
1487035	EV070-1CS-AH/AV	19.4	3.9	Yes	14.9	3.3	Yes
Water-to-Water Units							
NA	WT025-1	23.5	3.6	Yes	19.0	3.1	Yes
NA	WT035-1	22.5	3.6	Yes	17.6	3.0	Yes
NA	WT049-1	21.7	3.6	Yes	17.5	3.1	Yes
NA	WT061-1	21.6	3.6	Yes	17.3	3.2	Yes
NA	WT071-1	20.3	3.5	Yes	16.8	3.1	Yes

Notes: 1) Two stage units have part load and full load average value
2) Energy Star covers single phase units only
3) AHRI has no certification program for water to water units