



Residential Tax Credit Certificate

The Emergency Economic Stabilization Act of 2008, H.R. 1424, contains long-term tax incentives to encourage the use of renewable energy technologies in homes that support the installation of highly-efficient heating, cooling, and water heating systems, such as geothermal heat pumps until the year 2016.

The H.R 1424 law offers a one time credit of 30% of the total investment for all residential ground loop or ground water geothermal heat pump installations.

To apply, the system must meet or exceed Energy Star requirements. Please complete the information below, and keep this certificate for your records. We advise previous consulting with your tax advisor for further information.

Installing Contractor Information

Name: _____

Address: _____

Phone: _____

Installation Date: _____

Geothermal Closed Loop System 14.1 EER and 3.3 COP or greater*

Model Number: _____

Geothermal Open Loop System 16.2 EER and 3.6 COP or greater*

Model Number: _____

ARI Reference #: _____ *

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

FHP Manufacturing Co. Performance Ratings

ARI Ref. #	Model #	Open Loop			Closed Loop		
		EER	COP	Energy Star Rated	EER	COP	Energy Star Rated
1486796	AP025-1CF/HZ/VT	25.10 / 25.10	4.80 / 4.80	Yes	19.20 / 19.20	4.10 / 4.10	Yes
1486797	AP035-1CF/HZ/VT	23.50 / 23.50	4.70 / 4.70	Yes	18.40 / 18.40	4.10 / 4.10	Yes
1486868	AP049-1CF/HZ/VT	24.00 / 24.00	4.80 / 4.80	Yes	19.00 / 19.00	4.10 / 4.10	Yes
1486871	AP061-1CF/HZ/VT	23.80 / 23.80	5.00 / 5.00	Yes	18.50 / 18.50	4.10 / 4.10	Yes
1486872	AP071-1CF/HZ/VT	21.80 / 21.80	4.70 / 4.70	Yes	18.00 / 18.00	4.10 / 4.10	Yes
963441	AU025-1CF/HZ/VT	24.00 / 24.00	4.60 / 4.60	Yes	18.70 / 18.70	3.80 / 3.80	Yes
963712	AU025-1CS	23.50 / 23.50	4.50 / 4.50	Yes	18.30 / 18.30	3.70 / 3.70	Yes
963440	AU035-1CF/HZ/VT	21.60 / 21.60	4.20 / 4.20	Yes	17.20 / 17.20	3.80 / 3.80	Yes
963713	AU035-1CS	22.10 / 22.10	4.10 / 4.10	Yes	16.90 / 16.90	3.70 / 3.70	Yes
963442	AU049-1CF/HZ/VT	19.00 / 19.00	4.20 / 4.20	Yes	15.50 / 15.50	3.60 / 3.60	Yes
963714	AU049-1CS	18.60 / 18.60	4.10 / 4.10	Yes	15.20 / 15.20	3.50 / 3.50	Yes
963439	AU061-1CF/HZ/VT	19.70 / 19.70	4.30 / 4.30	Yes	15.70 / 15.70	3.60 / 3.60	Yes
963715	AU061-1CS	19.30 / 19.30	4.20 / 4.20	Yes	15.40 / 15.40	3.50 / 3.50	Yes
963443	AU071-1CF/HZ/VT	19.60 / 19.60	4.20 / 4.20	Yes	16.30 / 16.30	3.70 / 3.70	Yes
1402013	AU071-1CF/HZ/VT	19.60 / 19.60	4.20 / 4.20	Yes	16.30 / 16.30	3.70 / 3.70	Yes
963716	AU071-1CS	19.20 / 19.20	4.10 / 4.10	Yes	16.00 / 16.00	3.60 / 3.60	Yes
1483066	CA009-1	22.30 / 22.30	3.80 / 3.80	Yes	16.00 / 16.00	3.30 / 3.30	Yes
1483068	CA009-2	22.30	3.80	Yes	16.00	3.30	Yes
1483069	CA012-1	19.40 / 19.40	3.80 / 3.80	Yes	14.20 / 14.20	3.30 / 3.30	Yes
1483070	CA012-2	19.40	3.80	Yes	14.20	3.30	Yes
1483072	CA015-1	19.80 / 19.80	3.60 / 3.60	Yes	14.50 / 14.50	3.30 / 3.30	Yes
1483073	CA015-2	19.80	3.6	Yes	14.50	3.30	Yes
567146	EC007-0CF/HZ/VT	20.00	4.00	Yes	15.00	3.20	No
567835	EC007-1CF/HZ/VT	20.00 / 20.00	4.00 / 4.00	Yes	15.00 / 15.00	3.20 / 3.20	No
567810	EC007-2CF/HZ/VT	20.00	4.00	Yes	15.00	3.20	No
567827	EC009-0CF/HZ/VT	20.00	3.80	Yes	14.80	3.20	No
567792	EC009-1CF/HZ/VT	20.00 / 20.00	3.80 / 3.80	Yes	14.80 / 14.80	3.20 / 3.20	No
567781	EC009-2CF/HZ/VT	20.00	3.80	Yes	14.80	3.20	No
567838	EC012-0CF/HZ/VT	19.00	3.60	Yes	14.50	3.10	No
567765	EC012-1CF/HZ/VT	19.00 / 19.00	3.60 / 3.60	Yes	14.50 / 14.50	3.10 / 3.10	No
567815	EC012-2CF/HZ/VT	19.00	3.60	Yes	14.50	3.10	No
567794	EC015-1CF/HZ/VT	19.00 / 19.00	3.80 / 3.80	Yes	15.00 / 15.00	3.30 / 3.30	Yes
567832	EC015-2CF/HZ/VT	19.00	3.80	Yes	15.00	3.30	Yes
567782	EC018-1CF/HZ/VT	19.00 / 19.00	3.80 / 3.80	Yes	14.10 / 14.10	3.30 / 3.30	Yes
567818	EC018-1CS	18.80 / 18.80	3.70 / 3.70	Yes	14.10/14.10	3.30 / 3.30	Yes
567809	EC018-2CF/HZ/VT	19.00	3.80	Yes	14.1	3.30	Yes
567816	EC018-2CS	16.70	3.8	Yes	14.1	3.3	Yes
567793	EC024-1CF/HZ/VT	20.60 / 20.60	3.80 / 3.80	Yes	15.20 / 15.20	3.30 / 3.30	Yes
567845	EC024-1CS	20.20 / 20.20	3.70 / 3.70	Yes	14.90 / 14.90	3.30 / 3.30	Yes
567770	EC024-2CF/HZ/VT	20.60	3.80	Yes	15.20	3.30	Yes
567846	EC024-2CS	20.20	3.70	Yes	14.90	3.3	Yes
567768	EC024-3CF/HZ/VT	20.60 / 20.60	3.80 / 3.80	Yes	15.20 / 15.20	3.30 / 3.30	Yes
567828	EC024-3CS	20.20 / 20.20	3.70 / 3.70	Yes	14.90 / 14.90	3.30 / 3.30	Yes
567819	EC024-4CF/HZ/VT	20.60	3.80	Yes	15.20	3.30	Yes
567812	EC024-4CS	20.20	3.70	Yes	14.90	3.30	Yes
567813	EC030-1CF/HZ/VT	18.60 / 18.60	3.80 / 3.80	Yes	14.40 / 14.40	3.30 / 3.30	Yes
567823	EC030-1CS	18.20 / 18.20	3.70 / 3.70	Yes	14.30 / 14.30	3.30 / 3.30	Yes

ARI Ref. #	Model #	Open Loop			Closed Loop		
		EER	COP	Energy Star Rated	EER	COP	Energy Star Rated
567757	EC030-2CF/HZ/VT	18.60	3.80	Yes	14.40	3.30	Yes
567831	EC030-2CS	18.20	3.7	Yes	14.30	3.3	Yes
567836	EC030-3CF/HZ/VT	18.60 / 18.60	3.80 / 3.80	Yes	14.40 / 14.40	3.30 / 3.30	Yes
567802	EC030-3CS	18.20 / 18.20	3.80 / 3.80	Yes	14.30 / 14.30	3.30 / 3.30	Yes
567826	EC030-4CF/HZ/VT	18.60	3.80	Yes	14.40	3.30	Yes
567830	EC030-4CS	18.20	3.70	Yes	14.30	3.30	Yes
567789	EC036-1CF/HZ/VT	19.50 / 19.50	4.00 / 4.00	Yes	15.50 / 15.50	3.30 / 3.30	Yes
567847	EC036-1CS	19.30 / 19.30	3.80 / 3.80	Yes	15.30 / 15.30	3.30 / 3.30	Yes
567763	EC036-2CF/HZ/VT	19.50	4.00	Yes	15.50	3.30	Yes
567805	EC036-2CS	19.90	3.80	Yes	15.30	3.30	Yes
567753	EC036-3CF/HZ/VT	19.50 / 19.50	4.00 / 4.00	Yes	15.50 / 15.50	3.30 / 3.30	Yes
567756	EC036-3CS	19.30 / 19.30	3.80 / 3.80	Yes	15.30 / 15.30	3.30 / 3.30	Yes
567841	EC036-4CF/HZ/VT	19.50	4.00	Yes	15.50	3.30	Yes
567786	EC036-4CS	19.30	3.80	Yes	15.30	3.30	Yes
567785	EC042-1CF/HZ/VT	18.50 / 18.50	3.80 / 3.80	Yes	14.20 / 14.20	3.30 / 3.30	Yes
567807	EC042-1CS	18.30 / 18.30	3.70 / 3.70	Yes	14.10 / 14.10	3.30 / 3.30	Yes
567779	EC042-2CF/HZ/VT	18.50	3.80	Yes	14.20	3.30	Yes
567808	EC042-2CS	18.30	3.70	Yes	14.1	3.30	Yes
567800	EC042-3CF/HZ/VT	18.50 / 18.50	3.80 / 3.80	Yes	14.20 / 14.20	3.30 / 3.30	Yes
567791	EC042-3CS	18.30 / 18.30	3.70 / 3.70	Yes	14.10/14.10	3.30 / 3.30	Yes
567760	EC042-4CF/HZ/VT	18.50	3.80	Yes	14.20	3.30	Yes
567784	EC042-4CS	18.30	3.70	Yes	14.1	3.30	Yes
567820	EC048-1CF/HZ/VT	20.60 / 20.60	4.20 / 4.20	Yes	15.40 / 15.40	3.50 / 3.50	Yes
567822	EC048-1CS	20.20 / 20.20	4.10 / 4.10	Yes	15.10 / 15.10	3.40 / 3.40	Yes
567774	EC048-3CF/HZ/VT	20.60 / 20.60	4.20 / 4.20	Yes	15.40 / 15.40	3.50 / 3.50	Yes
567755	EC048-3CS	20.20 / 20.20	4.10 / 4.10	Yes	15.10 / 15.10	3.40 / 3.40	Yes
567821	EC048-4CF/HZ/VT	20.60	4.20	Yes	15.40	3.50	Yes
567758	EC048-4CS	20.20	4.10	Yes	15.10	3.40	Yes
567829	EC051-1CF/HZ/VT	20.60 / 20.60	4.20 / 4.20	Yes	15.50 / 15.50	3.60 / 3.60	Yes
567801	EC051-3CF/HZ/VT	20.60 / 20.60	4.20 / 4.20	Yes	15.50 / 15.50	3.60 / 3.60	Yes
567773	EC051-4CF/HZ/VT	20.60	4.20	Yes	15.50	3.60	Yes
567806	EC060-1CF/HZ/VT	18.30 / 18.30	3.90 / 3.90	Yes	14.70 / 14.70	3.30 / 3.30	Yes
567796	EC060-1CS	17.90 / 17.90	3.80 / 3.80	Yes	14.40 / 14.40	3.30 / 3.30	Yes
567817	EC060-3CF/HZ/VT	18.30 / 18.30	3.90 / 3.90	Yes	14.70 / 14.70	3.30 / 3.30	Yes
567834	EC060-3CS	17.90 / 17.90	3.80 / 3.80	Yes	14.40 / 14.40	3.30 / 3.30	Yes
567788	EC060-4CF/HZ/VT	18.30	3.90	Yes	14.70	3.30	Yes
567766	EC060-4CS	17.90	3.80	Yes	14.40	3.30	Yes
567778	EC061-1CF/HZ/VT	19.70 / 19.70	4.10 / 4.10	Yes	15.80 / 15.80	3.50 / 3.50	Yes
567772	EC061-3CF/HZ/VT	19.70 / 19.70	4.10 / 4.10	Yes	15.80 / 15.80	3.50 / 3.50	Yes
567798	EC061-4CF/HZ/VT	19.70	4.10	Yes	15.80	3.50	Yes
567780	EC070-1CF/HZ/VT	19.80 / 19.80	4.00 / 4.00	Yes	15.20 / 15.20	3.30 / 3.30	Yes
567824	EC070-1CS	19.40 / 19.40	3.90 / 3.90	Yes	14.90 / 14.90	3.30 / 3.30	Yes
567799	EC070-3CF/HZ/VT	19.80 / 19.80	4.00 / 4.00	Yes	15.20 / 15.20	3.30 / 3.30	Yes
567842	EC070-3CS	19.40 / 19.40	3.90 / 3.90	Yes	14.90 / 14.90	3.30 / 3.30	Yes
567775	EC070-4CF/HZ/VT	19.80	4.00	Yes	15.20	3.30	Yes
567764	EC070-4CS	19.40	3.90	Yes	14.90	3.30	Yes
171413	EM007-0CF/HZ/VT	17.30	3.80	Yes	13.60	3.20	No
171470	EM007-0CS	17.00	3.70	Yes	13.30	3.10	No
171414	EM007-1CF/HZ/VT	17.30 / 17.30	3.80 / 3.80	Yes	13.60 / 13.60	3.20 / 3.20	No

ARI Ref. #	Model #	Open Loop			Closed Loop		
		EER	COP	Energy Star Rated	EER	COP	Energy Star Rated
171471	EM007-1CS	17.00 / 17.00	3.70 / 3.70	Yes	13.30 / 13.30	3.10 / 3.10	No
171415	EM007-2CF/HZ/VT	17.30	3.80	Yes	13.60	3.20	No
171472	EM007-2CS	17.00	3.70	Yes	13.30	3.10	No
171416	EM009-0CF/HZ/VT	17.20	3.70	Yes	13.20	3.00	No
171473	EM009-0CS	16.80	3.70	Yes	12.90	2.90	No
171417	EM009-1CF/HZ/VT	17.20 / 17.20	3.70 / 3.70	Yes	13.20 / 13.20	3.00 / 3.00	No
171474	EM009-1CS	16.80 / 16.80	3.60 / 3.60	Yes	12.90 / 12.90	2.90 / 2.90	No
171418	EM009-2CF/HZ/VT	17.20	3.70	Yes	13.20	3.00	No
171475	EM009-2CS	16.80	3.60	Yes	12.90	2.90	No
171424	EM018-1CF/HZ/VT	17.00 / 17.00	3.80 / 3.80	Yes	13.40 / 13.40	3.20 / 3.20	No
171481	EM018-1CS	16.60 / 16.60	3.70 / 3.70	Yes	13.10 / 13.10	3.10 / 3.10	No
171425	EM018-2CF/HZ/VT	17.00	3.80	Yes	13.40	3.20	No
171482	EM018-2CS	16.60	3.70	Yes	13.10	3.10	No
171426	EM024-1CF/HZ/VT	21.00 / 21.00	4.20 / 4.20	Yes	15.50 / 15.50	3.50 / 3.50	Yes
171483	EM024-1CS	20.50 / 20.50	4.10 / 4.10	Yes	15.10 / 15.10	3.40 / 3.40	Yes
171427	EM024-2CF/HZ/VT	21.00	4.20	Yes	15.50	3.50	Yes
171484	EM024-2CS	20.50	4.10	Yes	15.10	3.40	Yes
171428	EM028-1CF/HZ/VT	18.90 / 18.90	4.00 / 4.00	Yes	14.60 / 14.60	3.30 / 3.30	Yes
171485	EM028-1CS	18.50 / 18.50	3.90 / 3.90	Yes	14.30 / 14.30	3.30 / 3.30	Yes
171429	EM028-2CF/HZ/VT	18.90	4.00	Yes	14.60	3.30	Yes
171486	EM028-2CS	18.50	3.90	Yes	14.30	3.3	Yes
171430	EM028-3CF/HZ/VT	18.90 / 18.90	4.00 / 4.00	Yes	14.60 / 14.60	3.30 / 3.30	Yes
171487	EM028-3CS	18.50 / 18.50	3.90 / 3.90	Yes	14.30 / 14.30	3.30 / 3.30	Yes
171431	EM028-4CF/HZ/VT	18.90	4.00	Yes	14.60	3.30	Yes
171488	EM028-4CS	18.50	3.90	Yes	14.30	3.3	Yes
171432	EM031-1CF/HZ/VT	19.10 / 19.10	3.70 / 3.70	Yes	14.70 / 14.70	3.00 / 3.00	No
3001043	EM031-1CS	18.70 / 18.70	3.60 / 3.60	Yes	14.40 / 14.40	3.00 / 3.00	No
171433	EM031-2CF/HZ/VT	19.10	3.70	Yes	14.70	3.00	No
171434	EM031-3CF/HZ/VT	19.10 / 19.10	3.70 / 3.70	Yes	14.70 / 14.70	3.00 / 3.00	No
171435	EM031-4CF/HZ/VT	19.10	3.70	Yes	14.70	3.00	No
171436	EM036-1CF/HZ/VT	20.10 / 20.10	4.00 / 4.00	Yes	15.30 / 15.30	3.40 / 3.40	Yes
171493	EM036-1CS	19.60 / 19.60	3.90 / 3.90	Yes	15.00 / 15.00	3.30 / 3.30	Yes
171437	EM036-2CF/HZ/VT	20.10	4.00	Yes	15.30	3.40	Yes
171494	EM036-2CS	19.60	3.90	Yes	15.00	3.30	Yes
171438	EM036-3CF/HZ/VT	20.10 / 20.10	4.00 / 4.00	Yes	15.30 / 15.30	3.40 / 3.40	Yes
171495	EM036-3CS	19.60 / 19.60	3.90 / 3.90	Yes	15.00 / 15.00	3.30 / 3.30	Yes
171439	EM036-4CF/HZ/VT	20.10	4.00	Yes	15.30	3.40	Yes
171496	EM036-4CS	19.60	3.90	Yes	15.00	3.30	Yes
171440	EM041-1CF/HZ/VT	16.20 / 16.20	3.80 / 3.80	Yes	13.30 / 13.30	3.20 / 3.20	No
171497	EM041-1CS	16.20/16.20	3.70 / 3.70	Yes	13.00 / 13.00	3.10 / 3.10	No
171441	EM041-3CF/HZ/VT	16.20 / 16.20	3.80 / 3.80	Yes	13.30 / 13.30	3.20 / 3.20	No
171498	EM041-3CS	16.20/16.20	3.70 / 3.70	Yes	13.00 / 13.00	3.10 / 3.10	No
171442	EM041-4CF/HZ/VT	16.20	3.80	Yes	13.30	3.20	No
171499	EM041-4CS	16.2	3.70	Yes	13.00	3.10	No
171443	EM041-5CF/HZ/VT	16.20	3.80	Yes	13.30	3.20	No
171500	EM041-5CS	16.2	3.70	Yes	13.00	3.10	No
171444	EM042-1CF/HZ/VT	16.90 / 16.90	3.90 / 3.90	Yes	13.60 / 13.60	3.20 / 3.20	No
171501	EM042-1CS	16.60 / 16.60	3.80 / 3.80	Yes	13.30 / 13.30	3.10 / 3.10	No
171445	EM042-3CF/HZ/VT	16.90 / 16.90	3.90 / 3.90	Yes	13.60 / 13.60	3.20 / 3.20	No

ARI Ref. #	Model #	Open Loop			Closed Loop		
		EER	COP	Energy Star Rated	EER	COP	Energy Star Rated
171502	EM042-3CS	16.60 / 16.60	3.80 / 3.80	Yes	13.30 / 13.30	3.10 / 3.10	No
171446	EM042-4CF/HZ/VT	16.90	3.90	Yes	13.60	3.20	No
171503	EM042-4CS	16.60	3.80	Yes	13.30	3.10	No
171447	EM042-5CF/HZ/VT	16.90	3.90	Yes	13.60	3.20	No
171504	EM042-5CS	16.60	3.80	Yes	13.30	3.10	No
171448	EM048-1CF/HZ/VT	18.00 / 18.00	4.00 / 4.00	Yes	13.40 / 13.40	3.40 / 3.40	No
171505	EM048-1CS	17.60 / 17.60	3.90 / 3.90	Yes	13.10 / 13.10	3.30 / 3.30	No
171449	EM048-3CF/HZ/VT	18.00 / 18.00	4.00 / 4.00	Yes	13.40 / 13.40	3.40 / 3.40	No
171506	EM048-3CS	17.60 / 17.60	3.90 / 3.90	Yes	13.10 / 13.10	3.30 / 3.30	No
171450	EM048-4CF/HZ/VT	18.00	4.00	Yes	13.40	3.40	No
171507	EM048-4CS	17.60	3.90	Yes	13.10	3.30	No
171451	EM048-5CF/HZ/VT	18.00	4.00	Yes	13.40	3.40	No
171508	EM048-5CS	17.60	3.90	Yes	13.10	3.30	No
258122	EM051-1VT	18.00 / 18.00	4.00 / 4.00	Yes	14.40 / 14.40	3.50 / 3.50	Yes
258121	EM051-3VT	18.00 / 18.00	4.00 / 4.00	Yes	14.40 / 14.40	3.50 / 3.50	Yes
258118	EM051-4VT	18.00	4.00	Yes	14.40	3.50	Yes
258120	EM051-5VT	18.00	4.00	Yes	14.40	3.50	Yes
171452	EM060-1CF/HZ/VT	17.50 / 17.50	4.00 / 4.00	Yes	14.00 / 14.00	3.20 / 3.20	No
171509	EM060-1CS	17.10 / 17.10	3.90 / 3.90	Yes	13.70 / 13.70	3.10 / 3.10	No
171453	EM060-3CF/HZ/VT	17.50 / 17.50	4.00 / 4.00	Yes	14.00 / 14.00	3.20 / 3.20	No
171510	EM060-3CS	17.10 / 17.10	3.90 / 3.90	Yes	13.70 / 13.70	3.10 / 3.10	No
171454	EM060-4CF/HZ/VT	17.50	4.00	Yes	14.00	3.20	No
171511	EM060-4CS	17.10	3.90	Yes	13.70	3.10	No
171455	EM060-5CF/HZ/VT	17.50	4.00	Yes	14.00	3.20	No
171512	EM060-5CS	17.10	3.90	Yes	13.70	3.10	No
258116	EM061-1VT	19.00 / 19.00	4.00 / 4.00	Yes	15.20 / 15.20	3.40 / 3.40	Yes
258117	EM061-3VT	19.00 / 19.00	4.00 / 4.00	Yes	15.20 / 15.20	3.40 / 3.40	Yes
258119	EM061-4VT	19.00	4.00	Yes	15.20	3.40	Yes
258123	EM061-5VT	19.00	4.00	Yes	15.20	3.40	Yes
171456	EM070-1CF/HZ/VT	18.70 / 18.70	3.80 / 3.80	Yes	13.90 / 13.90	3.40 / 3.40	No
178582	EM070-1CS	18.50 / 18.50	3.70 / 3.70	Yes	13.70 / 13.70	3.30 / 3.30	No
171457	EM070-3CF/HZ/VT	18.70 / 18.70	3.80 / 3.80	Yes	13.90 / 13.90	3.40 / 3.40	No
178583	EM070-3CS	18.50 / 18.50	3.70 / 3.70	Yes	13.70 / 13.70	3.30 / 3.30	No
171458	EM070-4CF/HZ/VT	18.70	3.80	Yes	13.90	3.40	No
178584	EM070-4CS	18.50	3.70	Yes	13.70	3.30	No
178580	EM070-5CF/HZ/VT	18.70	3.80	Yes	13.90	3.40	No
178585	EM070-5CS	18.50	3.70	Yes	13.70	3.30	No
384222	ES018-1CF/HZ/VT	27.40 / 27.40	4.40 / 4.40	Yes	19.60 / 19.60	3.50 / 3.50	Yes
549656	ES018-1CS	27.40 / 27.40	4.40 / 4.40	Yes	19.60 / 19.60	3.50 / 3.50	Yes
384240	ES024-1CF/HZ/VT	21.90 / 21.90	3.70 / 3.70	Yes	15.90 / 15.90	3.40 / 3.40	Yes
549645	ES024-1CS	21.50 / 21.50	3.60 / 3.60	Yes	15.60 / 15.60	3.30 / 3.30	Yes
961515	ES025-1CF/HZ/VT	24.00 / 24.00	4.60 / 4.60	Yes	18.70 / 18.70	3.80 / 3.80	Yes
1277483	ES025-1CS	23.50 / 23.50	4.50 / 4.50	Yes	18.30 / 18.30	3.70 / 3.70	Yes
384230	ES030-1CF/HZ/VT	25.00 / 25.00	4.20 / 4.20	Yes	19.00 / 19.00	3.50 / 3.50	Yes
549647	ES030-1CS	25.40 / 25.40	4.10 / 4.10	Yes	19.70 / 19.70	3.40 / 3.40	Yes
384231	ES030-3CF/HZ/VT	25.00 / 25.00	4.20 / 4.20	Yes	19.00 / 19.00	3.50 / 3.50	Yes
549632	ES030-3CS	25.40 / 25.40	4.10 / 4.10	Yes	19.70 / 19.70	3.40 / 3.40	Yes
433666	ES035-1CF/HZ/VT	21.60 / 21.60	4.20 / 4.20	Yes	17.20 / 17.20	3.80 / 3.80	Yes
1277603	ES035-1CS	22.10 / 22.10	4.10 / 4.10	Yes	16.90 / 16.90	3.70 / 3.70	Yes

ARI Ref. #	Model #	Open Loop			Closed Loop		
		EER	COP	Energy Star Rated	EER	COP	Energy Star Rated
963434	ES035-3CF/HZ/VT	21.60 / 21.60	4.20 / 4.20	Yes	17.20 / 17.20	3.80 / 3.80	Yes
963437	ES035-4CF/HZ/VT	21.60	4.20	Yes	17.20	3.80	Yes
384232	ES036-1CF/HZ/VT	23.90 / 23.90	4.40 / 4.40	Yes	19.00 / 19.00	3.50 / 3.50	Yes
549631	ES036-1CS	23.40 / 23.40	4.30 / 4.30	Yes	18.60 / 18.60	3.40 / 3.40	Yes
384233	ES036-3CF/HZ/VT	23.90 / 23.90	4.40 / 4.40	Yes	19.00 / 19.00	3.50 / 3.50	Yes
549635	ES036-3CS	23.40 / 23.40	4.30 / 4.30	Yes	18.60 / 18.60	3.40 / 3.30	Yes
384234	ES042-1CF/HZ/VT	21.60 / 21.60	4.10 / 4.10	Yes	16.50 / 16.50	3.30 / 3.30	Yes
549652	ES042-1CS	21.20 / 21.20	4.00 / 4.00	Yes	16.20 / 16.20	3.30 / 3.30	Yes
384235	ES042-3CF/HZ/VT	21.60 / 21.60	4.10 / 4.10	Yes	16.50 / 16.50	3.30 / 3.30	Yes
549633	ES042-3CS	21.20 / 21.20	4.00 / 4.00	Yes	16.20 / 16.20	3.30 / 3.30	Yes
384236	ES048-1CF/HZ/VT	21.60 / 21.60	4.30 / 4.30	Yes	17.20 / 17.20	3.50 / 3.50	Yes
549648	ES048-1CS	21.20 / 21.20	4.20 / 4.20	Yes	16.90 / 16.90	3.40 / 3.40	Yes
384237	ES048-3CF/HZ/VT	21.60 / 21.60	4.30 / 4.30	Yes	17.20 / 17.20	3.50 / 3.50	Yes
549628	ES048-3CS	21.20 / 21.20	4.20 / 4.20	Yes	16.90 / 16.90	3.40 / 3.40	Yes
433667	ES049-1CF/HZ/VT	19.00 / 19.00	4.20 / 4.20	Yes	15.50 / 15.50	3.60 / 3.60	Yes
1277674	ES049-1CS	18.60 / 18.60	4.10 / 4.10	Yes	15.20 / 15.20	3.50 / 3.50	Yes
963444	ES049-3CF/HZ/VT	19.00 / 19.00	4.20 / 4.20	Yes	15.50 / 15.50	3.60 / 3.60	Yes
963433	ES049-4CF/HZ/VT	19.00	4.20	Yes	15.50	3.60	Yes
384238	ES060-1CF/HZ/VT	20.10 / 20.10	3.90 / 3.90	Yes	15.60 / 15.60	3.30 / 3.30	Yes
549634	ES060-1CS	19.70 / 19.70	3.80 / 3.80	Yes	15.30 / 15.30	3.30 / 3.30	Yes
384239	ES060-3CF/HZ/VT	20.10 / 20.10	3.90 / 3.90	Yes	15.60 / 15.60	3.30 / 3.30	Yes
549653	ES060-3CS	19.70 / 19.70	3.80 / 3.80	Yes	15.30 / 15.30	3.30 / 3.30	Yes
433668	ES061-1CF/HZ/VT	19.70 / 19.70	4.30 / 4.30	Yes	15.70 / 15.70	3.60 / 3.60	Yes
963436	ES061-3CF/HZ/VT	19.70 / 19.70	4.30 / 4.30	Yes	15.70 / 15.70	3.60 / 3.60	Yes
963438	ES061-4CF/HZ/VT	19.70	4.30	Yes	15.70	3.60	Yes
384241	ES070-1CF/HZ/VT	20.30 / 20.30	4.10 / 4.10	Yes	15.60 / 15.60	3.30 / 3.30	Yes
549643	ES070-1CS	19.90 / 19.90	4.00 / 4.00	Yes	15.30 / 15.30	3.30 / 3.30	Yes
384242	ES070-3CF/HZ/VT	20.30 / 20.30	4.10 / 4.10	Yes	15.60 / 15.60	3.30 / 3.30	Yes
549637	ES070-3CS	19.90 / 19.90	4.00 / 4.00	Yes	15.30 / 15.30	3.30 / 3.30	Yes
963435	ES071-1CF/HZ/VT	19.60 / 19.60	4.20 / 4.20	Yes	16.30 / 16.30	3.70 / 3.70	Yes
1483612	EV018-1CF/HZ/VT	25.40 / 25.40	4.30 / 4.30	Yes	18.50 / 18.50	3.40 / 3.40	Yes
1483617	EV024-1CF/HZ/VT	20.30 / 20.30	3.60 / 3.60	Yes	15.00 / 15.00	3.30 / 3.30	Yes
1487014	EV024-1CS	19.90 / 19.90	3.60 / 3.60	Yes	14.70 / 14.70	3.30 / 3.30	Yes
194233	EV030-1CF/HZ/VT	24.00 / 24.00	4.10 / 4.10	Yes	18.00 / 18.00	3.40 / 3.40	Yes
1487015	EV030-1CS	23.50 / 23.50	4.00 / 4.00	Yes	17.60 / 17.60	3.30 / 3.30	Yes
194230	EV036-1CF/HZ/VT	22.60 / 22.60	4.30 / 4.30	Yes	17.40 / 17.40	3.40 / 3.40	Yes
1487016	EV036-1CS	22.10 / 22.10	4.20 / 4.20	Yes	17.10 / 17.10	3.30 / 3.30	Yes
194221	EV036-3CF/HZ/VT	22.60 / 22.60	4.30 / 4.30	Yes	17.40 / 17.40	3.40 / 3.40	Yes
194257	EV042-1CF/HZ/VT	20.00 / 20.00	4.00 / 4.00	Yes	15.30 / 15.30	3.30 / 3.30	Yes
1487032	EV042-1CS	19.60 / 19.60	3.90 / 3.90	Yes	15.00 / 15.00	3.30 / 3.30	Yes
194241	EV042-3CF/HZ/VT	20.00 / 20.00	4.00 / 4.00	Yes	15.30 / 15.30	3.30 / 3.30	Yes
194237	EV048-1CF/HZ/VT	20.60 / 20.60	4.20 / 4.20	Yes	16.40 / 16.40	3.40 / 3.40	Yes
1487033	EV048-1CS	20.20 / 20.20	4.10 / 4.10	Yes	16.10 / 16.10	3.30 / 3.30	Yes
194262	EV048-3CF/HZ/VT	20.60 / 20.60	4.20 / 4.20	Yes	16.40 / 16.40	3.40 / 3.40	Yes
384243	GS018-1CF/HZ/VT	25.90 / 25.90	3.80 / 3.80	Yes	19.40 / 19.40	3.80 / 3.80	Yes
384244	GS024-1CF/HZ/VT	22.60 / 22.60	3.60 / 3.60	Yes	16.70 / 16.70	3.60 / 3.60	Yes
549627	GS024-1CS	22.10 / 22.10	3.60 / 3.60	Yes	16.30 / 16.30	3.50 / 3.50	Yes
384245	GS024-3CF/HZ/VT	22.60 / 22.60	3.60 / 3.60	Yes	16.70 / 16.70	3.60 / 3.60	Yes
549636	GS024-3CS	22.10 / 22.10	3.60 / 3.60	Yes	16.30 / 16.30	3.50 / 3.50	Yes

ARI Ref. #	Model #	Open Loop			Closed Loop		
		EER	COP	Energy Star Rated	EER	COP	Energy Star Rated
384246	GS030-1CF/HZ/VT	25.90 / 25.90	4.10 / 4.10	Yes	20.70 / 20.70	4.10 / 4.10	Yes
549655	GS030-1CS	25.40 / 25.40	4.00 / 4.00	Yes	20.30 / 20.30	4.00 / 4.00	Yes
384247	GS030-3CF/HZ/VT	25.90 / 25.90	4.10 / 4.10	Yes	20.70 / 20.70	4.10 / 4.10	Yes
549629	GS030-3CS	25.40 / 25.40	4.00 / 4.00	Yes	20.30 / 20.30	4.00 / 4.00	Yes
384248	GS036-1CF/HZ/VT	22.80 / 22.80	3.60 / 3.60	Yes	18.70 / 18.70	3.60 / 3.60	Yes
549640	GS036-1CS	22.30 / 22.30	3.60 / 3.60	Yes	18.30 / 18.30	3.50 / 3.50	Yes
384249	GS036-3CF/HZ/VT	22.80 / 22.80	3.60 / 3.60	Yes	18.70 / 18.70	3.60 / 3.60	Yes
549649	GS036-3CS	22.30 / 22.30	3.60 / 3.60	Yes	18.30 / 18.30	3.50 / 3.50	Yes
384250	GS042-1CF/HZ/VT	22.80 / 22.80	3.80 / 3.80	Yes	17.90 / 17.90	3.80 / 3.80	Yes
549654	GS042-1CS	22.30 / 22.30	3.70 / 3.70	Yes	17.50 / 17.50	3.70 / 3.70	Yes
384251	GS042-3CF/HZ/VT	22.80 / 22.80	3.80 / 3.80	Yes	17.90 / 17.90	3.80 / 3.80	Yes
549646	GS042-3CS	22.30 / 22.30	3.70 / 3.70	Yes	17.50 / 17.50	3.70 / 3.70	Yes
384252	GS048-1CF/HZ/VT	21.10 / 21.10	3.60 / 3.60	Yes	16.60 / 16.60	3.60 / 3.60	Yes
549641	GS048-1CS	20.70 / 20.70	3.60 / 3.60	Yes	16.30 / 16.30	3.50 / 3.50	Yes
384253	GS048-3CF/HZ/VT	21.10 / 21.10	3.60 / 3.60	Yes	16.60 / 16.60	3.60 / 3.60	Yes
549638	GS048-3CS	20.70 / 20.70	3.60 / 3.60	Yes	16.30 / 16.30	3.50 / 3.50	Yes
384490	GS054-1CF/HZ/VT	19.80 / 19.80	3.60 / 3.60	Yes	15.40 / 15.40	3.50 / 3.50	Yes
549630	GS054-1CS	19.40 / 19.40	3.60 / 3.60	Yes	15.10 / 15.10	3.40 / 3.40	Yes
384491	GS054-3CF/HZ/VT	19.80 / 19.80	3.60 / 3.60	Yes	15.40 / 15.40	3.50 / 3.50	Yes
549651	GS054-3CS	19.40 / 19.40	3.60 / 3.60	Yes	15.10 / 15.10	3.40 / 3.40	Yes
384492	GS062-1CF/HZ/VT	18.30 / 18.30	3.60 / 3.60	Yes	14.60 / 14.60	3.30 / 3.30	Yes
549650	GS062-1CS	17.90 / 17.90	3.60 / 3.60	Yes	14.30 / 14.30	3.30 / 3.30	Yes
384493	GS062-3CF/HZ/VT	18.30 / 18.30	3.60 / 3.60	Yes	14.60 / 14.60	3.30 / 3.30	Yes
549639	GS062-3CS	17.90 / 17.90	3.60 / 3.60	Yes	14.30 / 14.30	3.30 / 3.30	Yes
384494	GS070-1CF/HZ/VT	19.20 / 19.20	3.60 / 3.60	Yes	14.30 / 14.30	3.50 / 3.50	Yes
549644	GS070-1CS	18.80 / 18.80	3.60 / 3.60	Yes	14.10 / 14.10	3.40 / 3.40	Yes
384495	GS070-3CF/HZ/VT	19.20 / 19.20	3.60 / 3.60	Yes	14.30 / 14.30	3.50 / 3.50	Yes
549642	GS070-3CS	18.80 / 18.80	3.60 / 3.60	Yes	14.10 / 14.10	3.40 / 3.40	Yes
178598	GT010-0CF/HZ/VT	21.20	4.10	Yes	16.10	3.40	Yes
178599	GT010-1CF/HZ/VT	21.20 / 21.20	4.10 / 4.10	Yes	16.10 / 16.10	3.40 / 3.40	Yes
178600	GT018-1CF/HZ/VT	24.00 / 24.00	4.40 / 4.40	Yes	18.30 / 18.30	3.70 / 3.70	Yes
178601	GT018-2CF/HZ/VT	24.00	4.40	Yes	18.30	3.70	Yes
178604	GT024-1CF/HZ/VT	20.60 / 20.60	4.00 / 4.00	Yes	16.00 / 16.00	3.30 / 3.30	Yes
224665	GT024-1CS	20.20 / 20.20	3.90 / 3.90	Yes	15.70 / 15.70	3.30 / 3.30	Yes
223954	GT024-2CF/HZ/VT	20.60	4.00	Yes	16.00	3.3	Yes
224680	GT024-2CS	20.20	3.90	Yes	15.70	3.3	Yes
223974	GT024-3CF/HZ/VT	20.60 / 20.60	4.00 / 4.00	Yes	16.00 / 16.00	3.30 / 3.30	Yes
224674	GT024-3CS	20.20 / 20.20	3.90 / 3.90	Yes	15.70 / 15.70	3.30 / 3.30	Yes
223951	GT024-4CF/HZ/VT	20.60	4.00	Yes	16.00	3.3	Yes
224668	GT024-4CS	20.20	3.90	Yes	15.70	3.3	Yes
178608	GT030-1CF/HZ/VT	24.00 / 24.00	4.70 / 4.70	Yes	18.50 / 18.50	4.00 / 4.00	Yes
178641	GT030-1CS	23.50 / 23.50	4.60 / 4.60	Yes	18.10 / 18.10	3.90 / 3.90	Yes
178609	GT030-2CF/HZ/VT	24.00	4.70	Yes	18.50	4.00	Yes
178642	GT030-2CS	23.50	4.60	Yes	18.10	3.90	Yes
178610	GT030-3CF/HZ/VT	24.00 / 24.00	4.70 / 4.70	Yes	18.50 / 18.50	4.00 / 4.00	Yes
178643	GT030-3CS	23.50 / 23.50	4.60 / 4.60	Yes	18.10 / 18.10	3.90 / 3.90	Yes
178611	GT030-4CF/HZ/VT	24.00	4.70	Yes	18.50	4.00	Yes
178644	GT030-4CS	23.50	4.60	Yes	18.10	3.90	Yes
178612	GT036-1CF/HZ/VT	21.50 / 21.50	4.40 / 4.40	Yes	17.00 / 17.00	3.50 / 3.50	Yes

ARI Ref. #	Model #	Open Loop			Closed Loop		
		EER	COP	Energy Star Rated	EER	COP	Energy Star Rated
178645	GT036-1CS	21.10 / 21.10	4.30 / 4.30	Yes	16.70 / 16.70	3.40 / 3.40	Yes
178613	GT036-2CF/HZ/VT	21.50	4.40	Yes	17.00	3.50	Yes
178646	GT036-2CS	21.10	4.30	Yes	16.70	3.40	Yes
178614	GT036-3CF/HZ/VT	21.50 / 21.50	4.40 / 4.40	Yes	17.00 / 17.00	3.50 / 3.50	Yes
178647	GT036-3CS	21.10 / 21.10	4.30 / 4.30	Yes	16.70 / 16.70	3.40 / 3.40	Yes
178615	GT036-4CF/HZ/VT	21.50	4.40	Yes	17.00	3.50	Yes
178648	GT036-4CS	21.10	4.30	Yes	16.70	3.40	Yes
178616	GT042-1CF/HZ/VT	21.20 / 21.20	4.50 / 4.50	Yes	16.60 / 16.60	3.70 / 3.70	Yes
178649	GT042-1CS	20.80 / 20.80	4.40 / 4.40	Yes	16.30 / 16.30	3.60 / 3.60	Yes
178650	GT042-2CS	20.80	4.40	Yes	16.30	3.60	Yes
178618	GT042-3CF/HZ/VT	21.20 / 21.20	4.50 / 4.50	Yes	16.60 / 16.60	3.70 / 3.70	Yes
178651	GT042-3CS	20.80 / 20.80	4.40 / 4.40	Yes	16.30 / 16.30	3.60 / 3.60	Yes
178619	GT042-4CF/HZ/VT	21.20	4.50	Yes	16.60	3.70	Yes
178652	GT042-4CS	20.80	4.40	Yes	16.30	3.60	Yes
178621	GT048-1CF/HZ/VT	20.10 / 20.10	4.20 / 4.20	Yes	15.80 / 15.80	3.50 / 3.50	Yes
178654	GT048-1CS	19.70 / 19.70	4.10 / 4.10	Yes	15.50 / 15.50	3.40 / 3.40	Yes
178622	GT048-3CF/HZ/VT	20.10 / 20.10	4.20 / 4.20	Yes	15.80 / 15.80	3.50 / 3.50	Yes
178655	GT048-3CS	19.70 / 19.70	4.10 / 4.10	Yes	15.50 / 15.50	3.40 / 3.40	Yes
178623	GT048-4CF/HZ/VT	20.10	4.20	Yes	15.80	3.50	Yes
178656	GT048-4CS	19.70	4.10	Yes	15.50	3.40	Yes
178624	GT048-5CF/HZ/VT	20.10	4.20	Yes	15.80	3.50	Yes
178657	GT048-5CS	19.70	4.10	Yes	15.50	3.40	Yes
178625	GT054-1CF/HZ/VT	18.80 / 18.80	4.00 / 4.00	Yes	14.60 / 14.60	3.40 / 3.40	Yes
178658	GT054-1CS	18.40 / 18.40	3.90 / 3.90	Yes	14.30 / 14.30	3.30 / 3.30	Yes
178626	GT054-3CF/HZ/VT	18.80 / 18.80	4.00 / 4.00	Yes	14.60 / 14.60	3.40 / 3.40	Yes
178659	GT054-3CS	18.40 / 18.40	3.90 / 3.90	Yes	14.30 / 14.30	3.30 / 3.30	Yes
178627	GT054-4CF/HZ/VT	18.80	4.00	Yes	14.60	3.40	Yes
178660	GT054-4CS	18.40	3.90	Yes	14.30	3.30	Yes
178628	GT054-5CF/HZ/VT	18.80	4.00	Yes	14.60	3.40	Yes
178661	GT054-5CS	18.40	3.90	Yes	14.30	3.30	Yes
178629	GT062-1CF/HZ/VT	17.50 / 17.50	4.00 / 4.00	Yes	14.10 / 14.10	3.30 / 3.30	Yes
178662	GT062-1CS	17.10 / 17.10	3.90 / 3.90	Yes	14.10 / 14.10	3.30 / 3.30	Yes
178630	GT062-3CF/HZ/VT	17.50 / 17.50	4.00 / 4.00	Yes	14.10 / 14.10	3.30 / 3.30	Yes
178663	GT062-3CS	17.10 / 17.10	3.90 / 3.90	Yes	14.10 / 14.10	3.30 / 3.30	Yes
178631	GT062-4CF/HZ/VT	17.50	4.00	Yes	14.10	3.30	Yes
178664	GT062-4CS	17.10	3.90	Yes	14.1	3.3	Yes
178632	GT062-5CF/HZ/VT	17.50	4.00	Yes	14.10	3.30	Yes
178665	GT062-5CS	17.10	3.90	Yes	14.1	3.3	Yes
194242	GT070-1CF/HZ/VT	18.70 / 18.70	3.80 / 3.80	Yes	14.20 / 14.20	3.40 / 3.40	Yes
194231	GT070-1CS	18.50 / 18.50	3.70 / 3.70	Yes	14.10 / 14.10	3.30 / 3.30	Yes
194248	GT070-3CF/HZ/VT	18.70 / 18.70	3.80 / 3.80	Yes	14.20 / 14.20	3.40 / 3.40	Yes
194234	GT070-3CS	18.50 / 18.50	3.70 / 3.70	Yes	14.10 / 14.10	3.30 / 3.30	Yes
194220	GT070-4CF/HZ/VT	18.70	3.80	Yes	14.20	3.40	Yes
194255	GT070-4CS	18.50	3.70	Yes	14.1	3.30	Yes
194245	GT070-5CF/HZ/VT	18.70	3.80	Yes	14.20	3.40	Yes
194228	GT070-5CS	18.50	3.70	Yes	14.1	3.30	Yes