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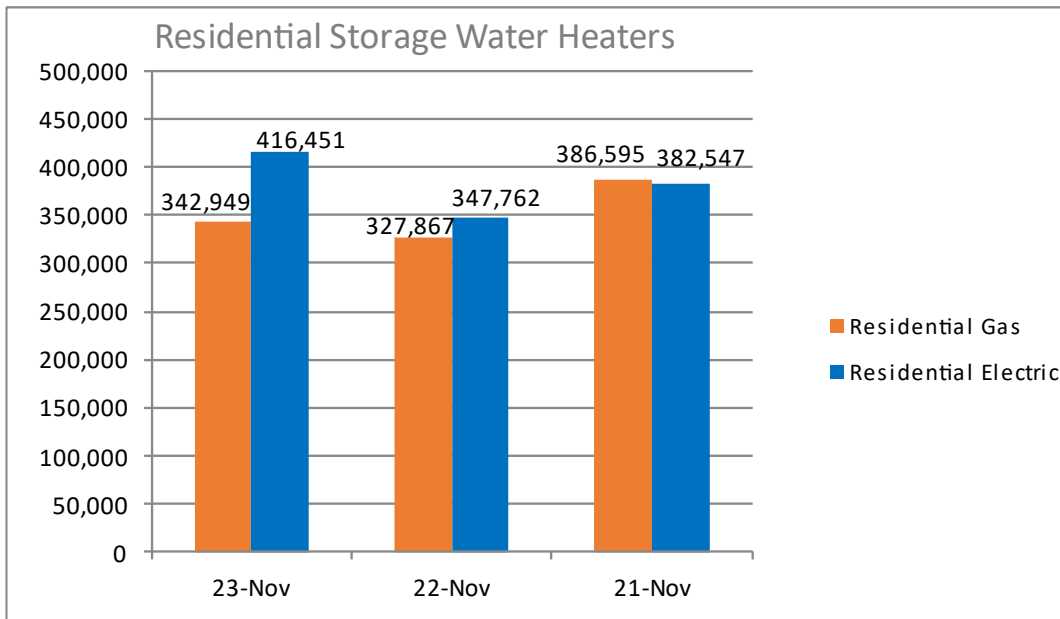
January 12, 2024
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*Public data is available in Excel format [here](#).
 Please see our FAQs [here](#).*

AHRI Releases November 2023 U.S. Heating and Cooling Equipment Shipment Data

Residential Storage Water Heaters

U.S. shipments of residential gas storage water heaters for November 2023 increased 4.6 percent, to 342,949 units, up from 327,867 units shipped in November 2022. Residential electric storage water heater shipments increased 19.8 percent in November 2023 to 416,451 units, up from 347,762 units shipped in November 2022.

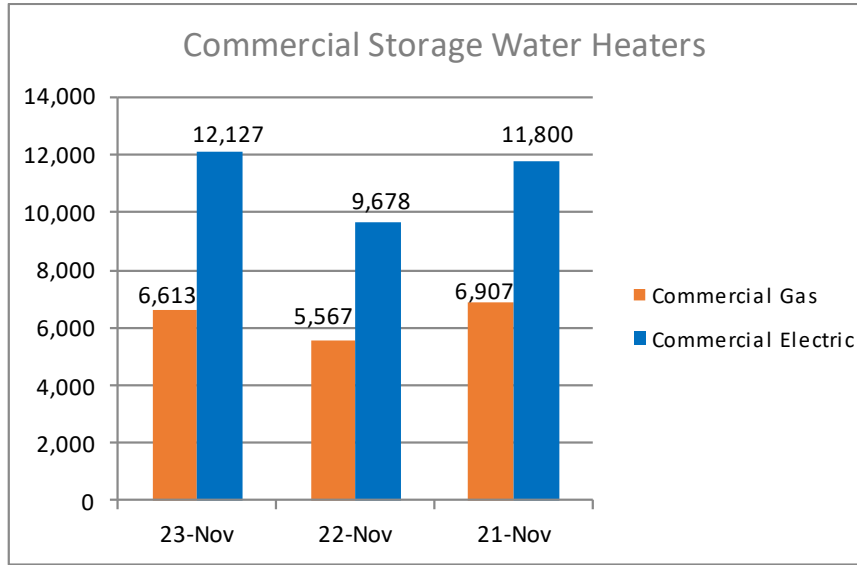


Year-to-date U.S. shipments of residential gas storage water heaters increased 4.5 percent, to 3,928,809, compared to 3,760,811 shipped during that same period in 2022. Residential electric storage water heater shipments increased 7.7 percent year-to-date, to 4,481,495 units, compared to 4,162,758 shipped during the same period in 2022.

<i>Year-to-Date</i>	Nov 23 YTD	Nov 22 YTD	% CHG. (From 2022-2023)	Nov 21 YTD
Residential Storage Gas	3,928,809	3,760,811	+4.5	4,517,577
Residential Storage Electric	4,481,495	4,162,758	+7.7	4,460,115

Commercial Storage Water Heaters

Commercial gas storage water heater shipments increased 18.8 percent in November 2023, to 6,613 units, up from 5,567 units shipped in November 2022. Commercial electric storage water heater shipments increased 25.3 percent in November 2023, to 12,127, up from 9,678 units shipped in November 2022.

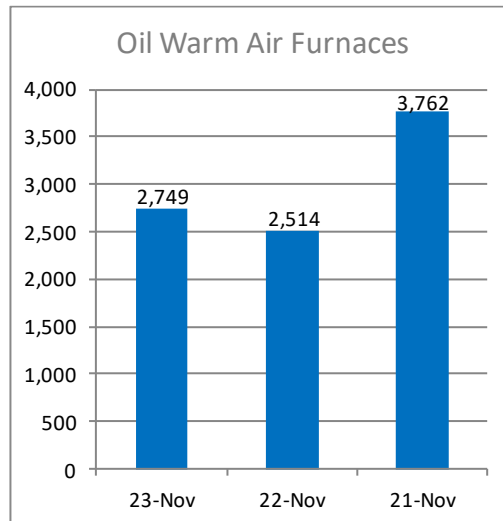
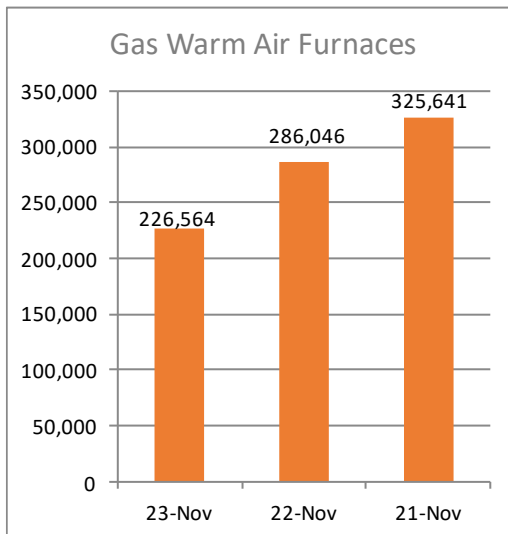


Year-to-date U.S. shipments of commercial gas storage water heaters increased 4.3 percent, to 79,753 units, compared with 76,480 units shipped during the same period in 2022. Year-to-date commercial electric storage water heater shipments increased 23.4 percent, to 134,550 units, up from 109,012 units shipped during the same period in 2022.

<i>Year-to-Date</i>				
	Nov 23 YTD	Nov 22 YTD	% CHG. (From 2022-2023)	Nov 21 YTD
Commercial Storage Gas	79,753	76,480	+4.3	82,758
Commercial Storage Electric	134,550	109,012	+23.4	140,025

Warm Air Furnaces

U.S. shipments of gas warm air furnaces for November 2023 decreased 20.8 percent, to 226,564 units, down from 286,046 units shipped in November 2022. Oil warm air furnace shipments increased 9.3 percent, to 2,749 units in November 2023, up from 2,514 units shipped in November 2022.

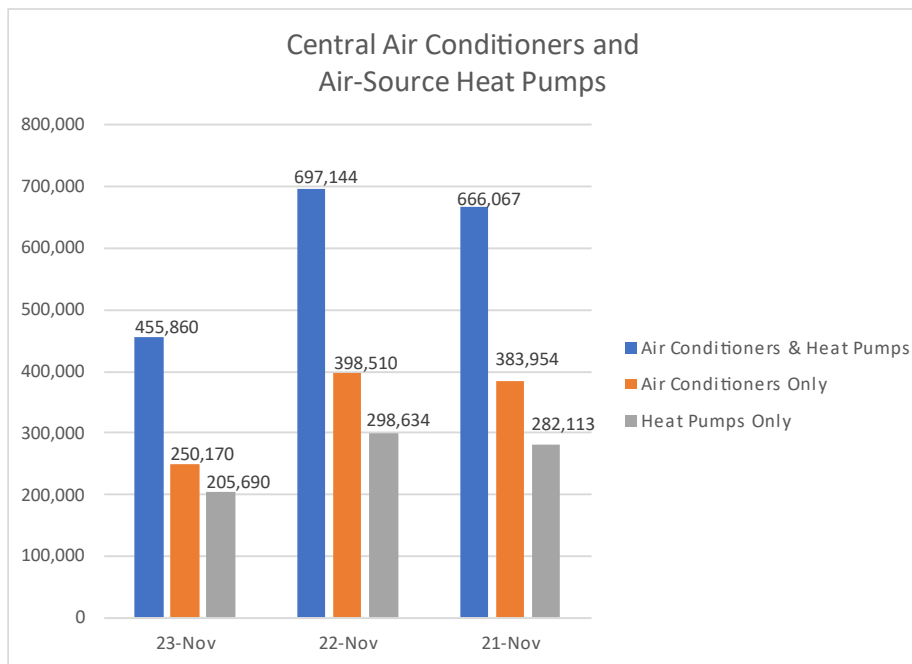


Year-to-date U.S. shipments of gas warm air furnaces decreased 23.9 percent, to 2,756,793 units, compared with 3,623,646 units shipped during the same period in 2022. Year-to-date U.S. shipments of oil warm air furnaces decreased 23.9 percent, to 19,922 units, compared with 26,182 units shipped during the same period in 2022.

<i>Year-to-Date</i>				
	Nov 23 YTD	Nov 22 YTD	% CHG. (From 2022-2023)	Nov 21 YTD
Gas Warm Air Furnaces	2,756,793	3,623,646	-23.9	3,685,889
Oil Warm Air Furnaces	19,922	26,182	-23.9	35,303

Central Air Conditioners and Air-Source Heat Pumps

U.S. shipments of central air conditioners and air-source heat pumps totaled 455,860 units in November 2023, down 34.6 percent from 697,144 units shipped in November 2022. U.S. shipments of air conditioners decreased 37.2 percent, to 250,170 units, down from 398,510 units shipped in November 2022. U.S. shipments of air-source heat pumps decreased 31.1 percent, to 205,690 units, down from 298,634 shipped in November 2022.



Year-to-date combined shipments of central air conditioners and air-source heat pumps decreased 15.9 percent, to 8,221,085, down from 9,771,853 units shipped during the same period in 2022. Year-to-date shipments of central air conditioners decreased 16.3 percent, to 4,801,500 units, down from 5,734,381 units shipped during the same period in 2022. The year-to-date total for heat pump shipments decreased 15.3 percent, to 3,419,585, down from 4,037,472 units shipped during the same period in 2022.

<i>Year-to-Date</i>				
	Nov 23 YTD	Nov 22 YTD	% CHG. (From 2022-2023)	Nov 21 YTD
Air Conditioners & Heat Pumps Combined Total	8,221,085	9,771,853	-15.9	9,569,242
Air Conditioners Only	4,801,500	5,734,381	-16.3	5,930,089
Heat Pumps Only	3,419,585	4,037,472	-15.3	3,639,153

U.S. Manufacturers' Shipments of Central Air Conditioners and Air-Source Heat Pumps

Month			
Size Description (000) BTUH	2023 Total	% Change from 2022	2021 Total
Under 16.5	17,508	-38.5	36,408
16.5-21.9	53,441	-37.7	65,998
22-26.9	88,186	-41.3	118,755
27-32.9	68,023	-31.0	93,634
33-38.9	87,938	-30.1	131,807
39-43.9	31,625	-29.0	55,319
44-53.9	44,378	-41.1	77,099
54-64.9	38,243	-41.0	65,407
65-96.9	9,735	+25.8	7,502
97-134.9	7,170	+19.3	6,133
135-184.9	4,901	-1.8	3,880
185-249.9	1,799	-18.5	1,551
250-319.9	1,620	+12.8	1,348
320-379.9	339	+23.7	324
380-539.9	332	-10.0	365
540-639.9	301	+49.0	239
640-799.9	90	-20.4	90
800.0-899.9	57	+72.7	40
900.0-999.9	47	-16.1	67
1,000.0-1,199.9	39	+44.4	24
1,200.0 & Over	88	+6.0	77
TOTAL	455,860	-34.6	666,067

YTD			
Size Description (000) BTUH	2023 Total	% Change from 2022	2021 Total
Under 16.5	307,914	-24.5	439,618
16.5-21.9	982,371	-2.0	858,166
22-26.9	1,602,884	-18.2	1,895,306
27-32.9	1,230,223	-17.4	1,507,334
33-38.9	1,619,834	-20.9	2,049,492
39-43.9	567,859	-20.6	722,447
44-53.9	902,642	-15.0	1,036,742
54-64.9	732,667	-11.7	797,655
65-96.9	101,308	+11.0	93,062
97-134.9	78,461	+8.6	73,235
135-184.9	48,180	+6.2	46,206
185-249.9	19,085	-8.7	19,750
250-319.9	14,614	-8.1	16,889
320-379.9	3,353	+7.7	3,850
380-539.9	3,378	-1.6	3,574
540-639.9	2,692	-2.8	2,402
640 & Over	1,132	+1.3	1,218
800.0-899.9	537	-4.8	493
900.0-999.9	621	-14.9	662
1,000.0-1,199.9	378	-0.5	382
1,200.0 & Over	952	+3.3	963
TOTAL	8,221,085	-15.9	9,569,242

Notes and FAQs

A shipment is defined as when a unit transfers ownership; a consignment is not a transfer of ownership. Industry data is aggregated from the information supplied by AHRI member companies that participate in the statistics program and can be subject to revision. Published year-to-date data is inclusive of all revisions. No other AHRI data (e.g., by state or region) is available to the public other than that published. AHRI does not conduct any market forecasting and is not qualified to discuss market trends. BTUHs of 64.9 and below are for residential units; 65.0 and above for commercial. For previous monthly shipment releases and historical data, please see <http://www.ahrinet.org/statistics>.

1. How do my colleagues subscribe to the report?

Go to <http://www.ahrinet.org/statistics> and click on Subscribe.

2. Does this data represent shipments to the United States only or are shipments outside of the United States included?

This data represents shipments to customers in the United States only.

3. Do you provide U.S. data by state?

That data is not available publicly.

4. Is historical data available in Excel?

It is available monthly reflecting exactly the data presented in the monthly public release.

5. Is data available in a different format?

The only format available is provided on the website.

6. Does the December YTD data equal full calendar year?

Yes, it does.

7. Can I purchase additional industry data from AHRI?

No, AHRI statistical data is not for sale.

8. Does AHRI provide information for academic research purposes?

AHRI is not authorized by our members to provide information other than what is listed on our website.

9. How much of the industry does the data represent?

Although we cannot get into specifics about how much of the industry the data represents, in general, AHRI is one of the largest trade associations in the nation, representing more than 300 heating, water heating, ventilation, air conditioning and commercial refrigeration manufacturers within the global HVACR industry. AHRI's 300+ member companies account for more than 90 percent of the residential and commercial air conditioning, space heating, water heating, and commercial refrigeration equipment manufactured and sold in North America.

10. Is it accurate to use the number for year-to-date U.S. shipments as a measure of sales?

AHRI reports track shipments, which are defined as when a unit transfers ownership. While some people use the terms shipments and sales interchangeably, they may not be the same.

11. Where can I find the definitions for the products included in this report?

Download product definitions for monthly shipment reports [here](#).

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[About AHRI](#)

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) is the trade association representing manufacturers of air conditioning, heating, and commercial refrigeration, and water heating equipment. An internationally recognized advocate for the industry, AHRI develops standards for and certifies the performance of many of these products. AHRI's 300+ member companies manufacture quality, efficient, and innovative residential and commercial air conditioning, space heating, water heating, and commercial refrigeration equipment and components for sale in North America and around the world.