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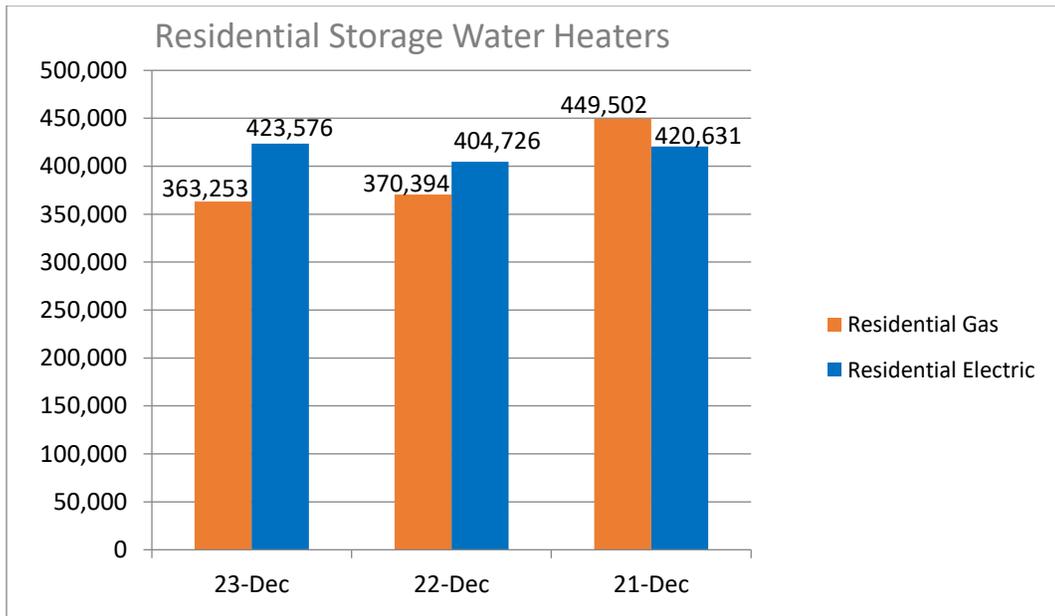
February 9, 2024
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*Public data is available in Excel format [here](#).
 Please see our FAQs [here](#).*

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

Residential Storage Water Heaters

U.S. shipments of residential gas storage water heaters for December 2023 decreased 1.9 percent, to 363,253 units, down from 370,394 units shipped in December 2022. Residential electric storage water heater shipments increased 4.7 percent in December 2023 to 423,576 units, up from 404,726 units shipped in December 2022.

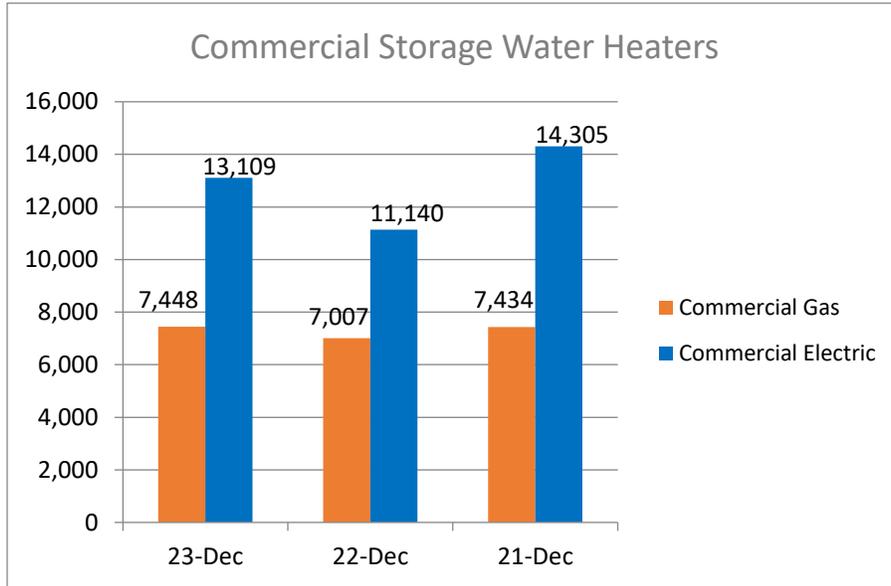


Year-to-date U.S. shipments of residential gas storage water heaters increased 3.9 percent, to 4,292,062, compared to 4,131,205 shipped during that same period in 2022. Residential electric storage water heater shipments increased 7.4 percent year-to-date, to 4,905,071 units, compared to 4,567,484 shipped during the same period in 2022.

<i>Year-to-Date</i>	Dec 23 YTD	Dec 22 YTD	% CHG. (From 2022-2023)	Dec 21 YTD
Residential Storage Gas	4,292,062	4,131,205	+3.9	4,967,079
Residential Storage Electric	4,905,071	4,567,484	+7.4	4,880,746

Commercial Storage Water Heaters

Commercial gas storage water heater shipments increased 6.3 percent in December 2023, to 7,448 units, up from 7,007 units shipped in December 2022. Commercial electric storage water heater shipments increased 17.7 percent in December 2023, to 13,109, up from 11,140 units shipped in December 2022.

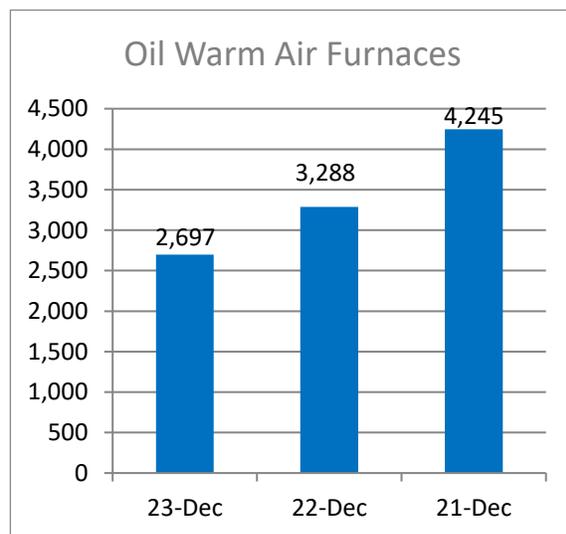
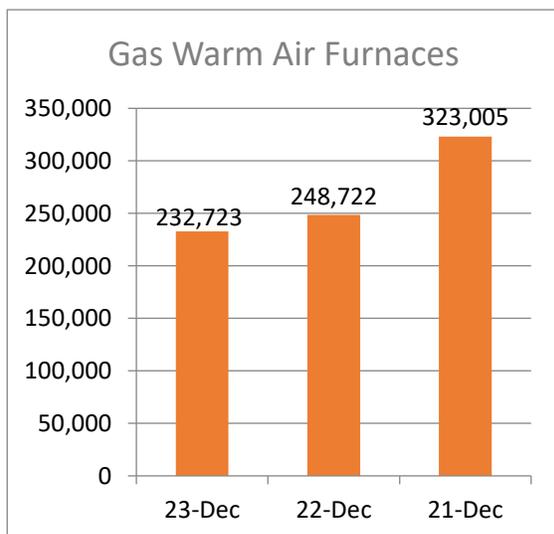


Year-to-date U.S. shipments of commercial gas storage water heaters increased 4.4 percent, to 87,201 units, compared with 83,487 units shipped during the same period in 2022. Year-to-date commercial electric storage water heater shipments increased 22.9 percent, to 147,659 units, up from 120,152 units shipped during the same period in 2022.

<i>Year-to-Date</i>				
	Dec 23 YTD	Dec 22 YTD	% CHG. (From 2022-2023)	Dec 21 YTD
Commercial Storage Gas	87,201	83,487	+4.4	90,192
Commercial Storage Electric	147,659	120,152	+22.9	154,330

Warm Air Furnaces

U.S. shipments of gas warm air furnaces for December 2023 decreased 6.4 percent, to 232,723 units, down from 248,722 units shipped in December 2022. Oil warm air furnace shipments decreased 18 percent, to 2,697 units in December 2023, down from 3,288 units shipped in December 2022.

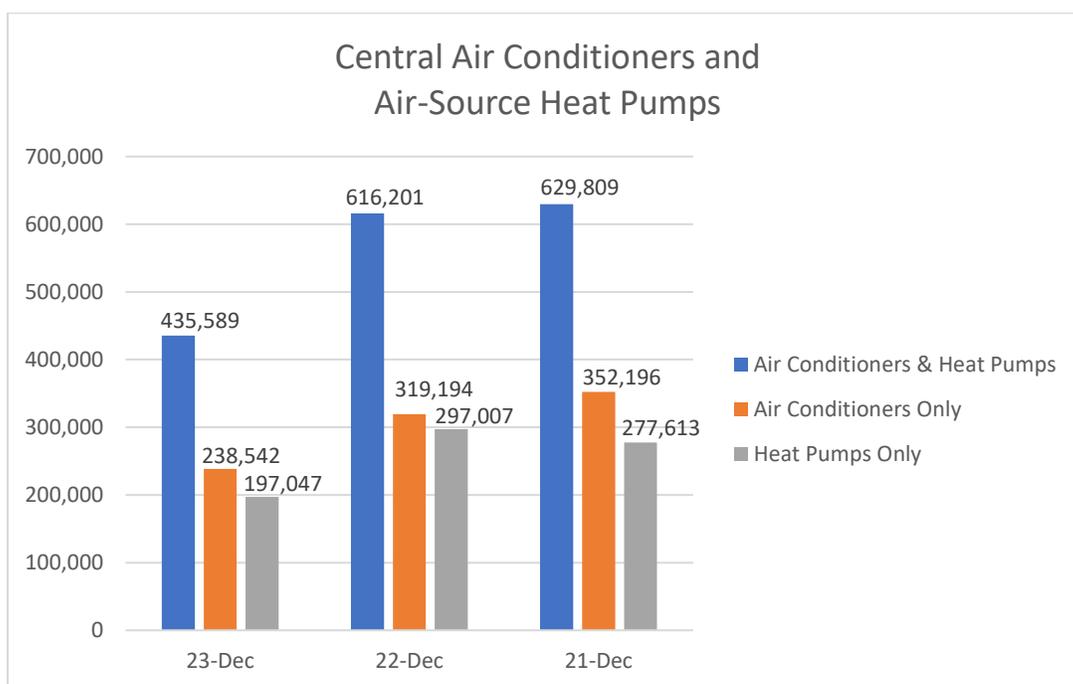


Year-to-date U.S. shipments of gas warm air furnaces decreased 22.8 percent, to 2,989,516 units, compared with 3,872,368 units shipped during the same period in 2022. Year-to-date U.S. shipments of oil warm air furnaces decreased 23.2 percent, to 22,619 units, compared with 29,470 units shipped during the same period in 2022.

<i>Year-to-Date</i>				
	Dec 23 YTD	Dec 22 YTD	% CHG. (From 2022-2023)	Dec 21 YTD
Gas Warm Air Furnaces	2,989,516	3,872,368	-22.8	4,008,894
Oil Warm Air Furnaces	22,619	29,470	-23.2	39,548

Central Air Conditioners and Air-Source Heat Pumps

U.S. shipments of central air conditioners and air-source heat pumps totaled 435,589 units in December 2023, down 29.3 percent from 616,201 units shipped in December 2022. U.S. shipments of air conditioners decreased 25.3 percent, to 238,542 units, down from 319,194 units shipped in December 2022. U.S. shipments of air-source heat pumps decreased 33.7 percent, to 197,047 units, down from 297,007 shipped in December 2022.



Year-to-date combined shipments of central air conditioners and air-source heat pumps decreased 16.7 percent, to 8,656,674, down from 10,388,054 units shipped during the same period in 2022. Year-to-date shipments of central air conditioners decreased 16.7 percent, to 5,040,042 units, down from 6,053,575 units shipped during the same period in 2022. The year-to-date total for heat pump shipments decreased 16.6 percent, to 3,616,632 down from 4,334,479 units shipped during the same period in 2022.

<i>Year-to-Date</i>				
	Dec 23 YTD	Dec 22 YTD	% CHG. (From 2022-2023)	Dec 21 YTD
Air Conditioners & Heat Pumps Combined Total	8,656,674	10,388,054	-16.7	10,199,051
Air Conditioners Only	5,040,042	6,053,575	-16.7	6,282,285
Heat Pumps Only	3,616,632	4,334,479	-16.6	3,916,766

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	18,870	-20.2	31,716
16.5-21.9	58,814	-30.2	85,402
22-26.9	85,176	-29.9	115,014
27-32.9	62,027	-31.8	85,770
33-38.9	76,745	-34.7	127,282
39-43.9	30,515	-25.7	52,434
44-53.9	42,768	-31.2	72,933
54-64.9	35,308	-31.5	56,817
65-96.9	8,289	+1.3	8,176
97-134.9	7,540	+21.9	5,961
135-184.9	5,140	+27.0	3,742
185-249.9	1,949	-14.4	1,700
250-319.9	1,254	-30.7	1,587
320-379.9	301	0.0	329
380-539.9	316	-4.0	316
540-639.9	230	-28.8	247
640-799.9	119	-11.9	118
800.0-899.9	52	-5.5	50
900.0-999.9	56	+9.8	61
1,000.0-1,199.9	32	-13.5	49
1,200.0 & Over	88	+79.6	105
TOTAL	435,589	-29.3	629,809

YTD			
Size Description (000) BTUH	2023 Total	% Change from 2022	2021 Total
Under 16.5	326,784	-24.2	471,334
16.5-21.9	1,041,185	-4.2	923,568
22-26.9	1,688,060	-18.9	2,010,320
27-32.9	1,292,250	-18.2	1,593,104
33-38.9	1,696,579	-21.6	2,176,774
39-43.9	598,374	-20.9	774,881
44-53.9	945,410	-15.9	1,109,675
54-64.9	767,975	-12.9	854,472
65-96.9	109,597	+10.2	101,238
97-134.9	86,001	+9.6	79,196
135-184.9	53,320	+7.9	49,948
185-249.9	21,034	-9.3	21,450
250-319.9	15,868	-10.4	18,472
320-379.9	3,654	+7.0	3,979
380-539.9	3,694	-1.8	3,890
540-639.9	2,922	-5.5	2,649
640 & Over	1,251	-0.1	1,336
800.0-899.9	589	-4.8	543
900.0-999.9	677	-13.3	723
1,000.0-1,199.9	410	-1.7	431
1,200.0 & Over	1,040	+7.1	1,068
TOTAL	8,656,674	-16.7	10,199,051

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.