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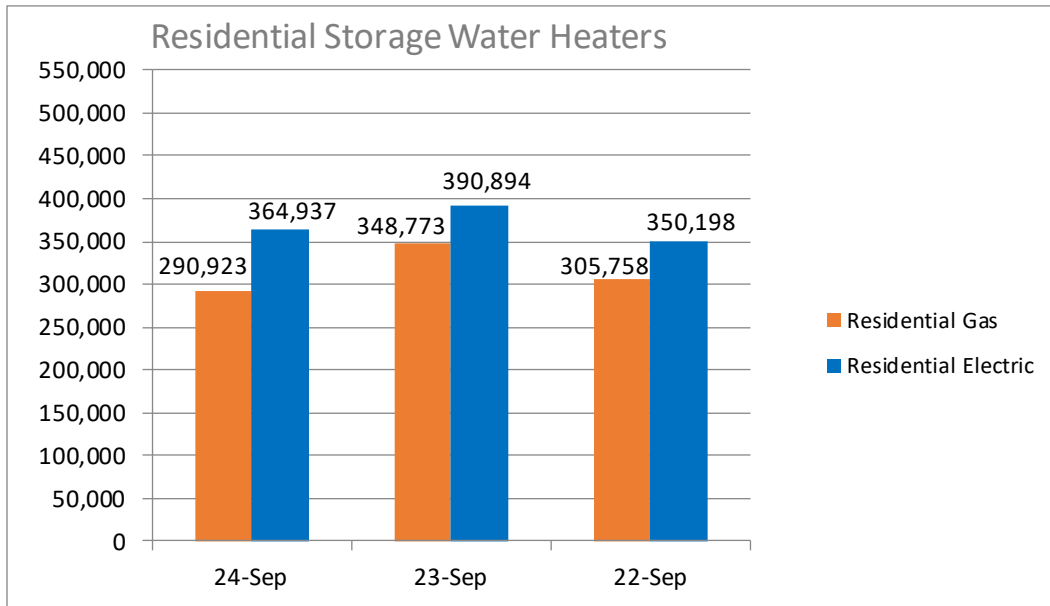
Public data is available in Excel format [here](#).

Please see our FAQs [here](#).

AHRI Releases September 2024 U.S. Heating and Cooling Equipment Shipment Data

Residential Storage Water Heaters

U.S. shipments of residential gas storage water heaters for September 2024 changed -16.6 percent, to 290,923 units, compared to 348,773 units shipped in September 2023. Residential electric storage water heater shipments changed -6.6 percent in September 2024 to 364,937 units, compared to 390,894 units shipped in September 2023.

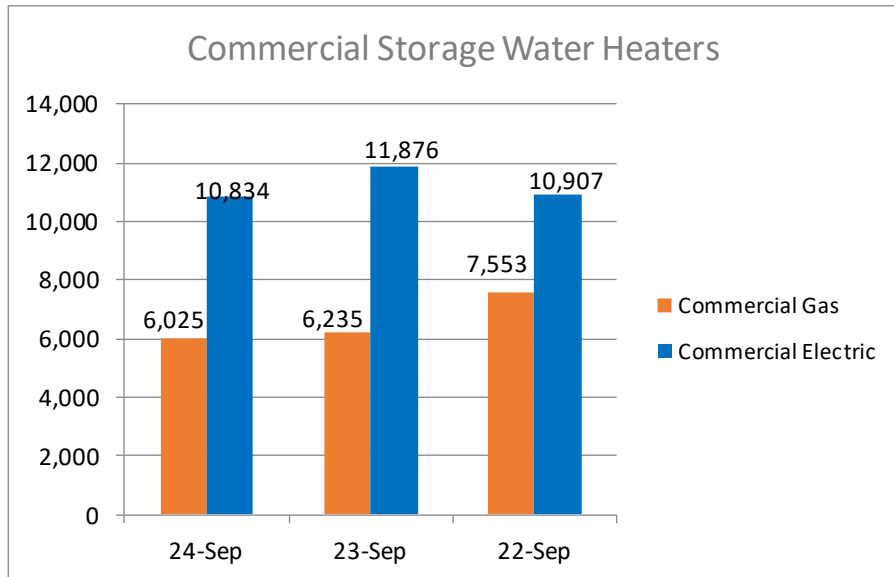


Year-to-date U.S. shipments of residential gas storage water heaters changed -2.2 percent, to 3,154,419, compared to 3,224,952 shipped during that same period in 2023. Residential electric storage water heater shipments changed +6.1 percent year-to-date, to 3,849,201 units, compared to 3,627,463 shipped during the same period in 2023.

Year-to-Date	Sep 24 YTD	Sep 23 YTD	% CHG. (From 2023-2024)	Sep 22 YTD
Residential Storage Gas	3,154,419	3,224,952	-2.2	3,111,669
Residential Storage Electric	3,849,201	3,627,463	+6.1	3,443,154

Commercial Storage Water Heaters

Commercial gas storage water heater shipments changed -3.4 percent in September 2024, to 6,025 units, compared to 6,235 units shipped in September 2023. Commercial electric storage water heater shipments changed -8.8 percent in September 2024, to 10,834, compared to 11,876 units shipped in September 2023.

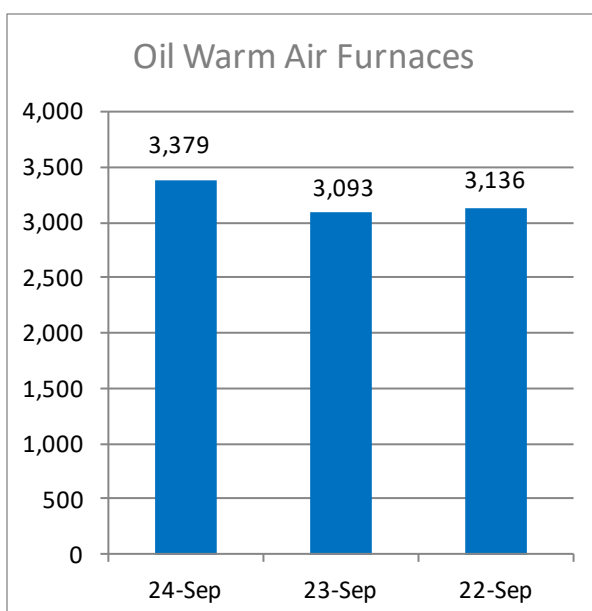
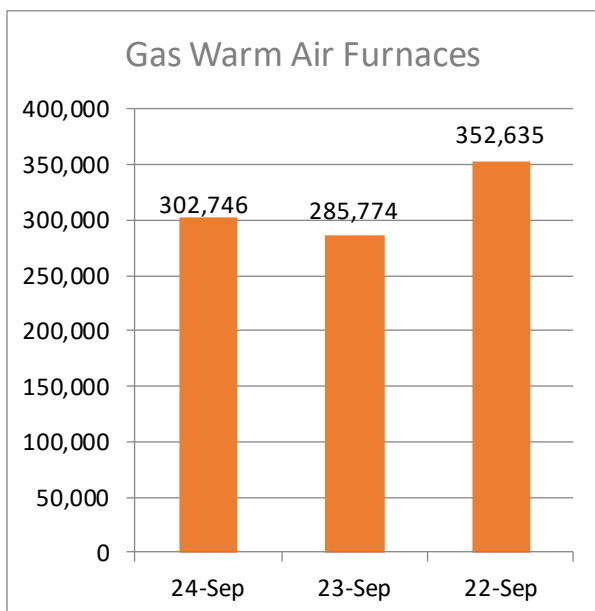


Year-to-date U.S. shipments of commercial gas storage water heaters changed -2.2 percent, to 63,931 units, compared to 65,390 units shipped during the same period in 2023. Year-to-date commercial electric storage water heater shipments changed +6.5 percent, to 117,594 units, compared to 110,400 units shipped during the same period in 2023.

<i>Year-to-Date</i>	Sep 24 YTD	Sep 23 YTD	% CHG. (From 2023-2024)	Sep 22 YTD
Commercial Storage Gas	63,931	65,390	-2.2	64,948
Commercial Storage Electric	117,594	110,400	+6.5	89,844

Warm Air Furnaces

U.S. shipments of gas warm air furnaces for September 2024 changed +5.9 percent, to 302,746 units, compared to 285,774 units shipped in September 2023. Oil warm air furnace shipments changed +9.2 percent, to 3,379 units in September 2024, compared to 3,093 units shipped in September 2023.



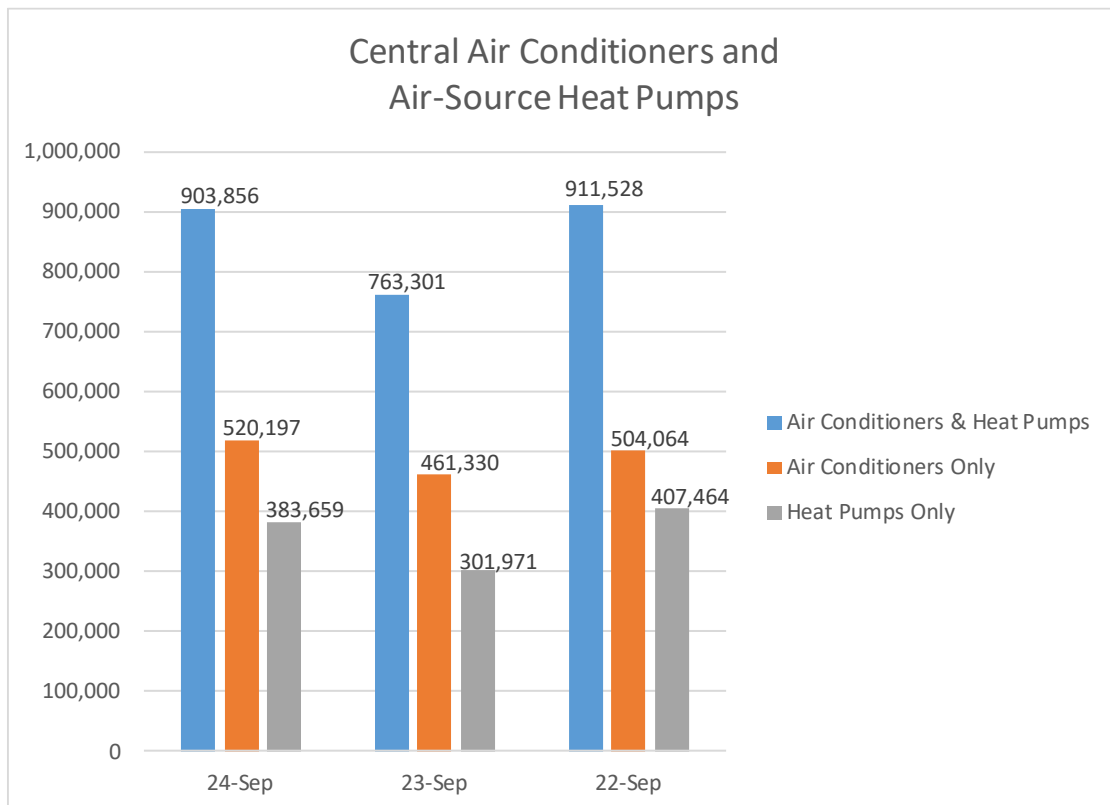
Year-to-date U.S. shipments of gas warm air furnaces changed +0.6 percent, to 2,312,214 units, compared to 2,297,977 units shipped during the same period in 2023. Year-to-date U.S. shipments of oil warm air furnaces

changed +35.2 percent, to 19,653 units, compared to 14,540 units shipped during the same period in 2023.

<i>Year-to-Date</i>				
	Sep 24 YTD	Sep 23 YTD	% CHG. (From 2023-2024)	Sep 22 YTD
Gas Warm Air Furnaces	2,312,214	2,297,977	+0.6	3,020,786
Oil Warm Air Furnaces	19,653	14,540	+35.2	20,552

Central Air Conditioners and Air-Source Heat Pumps

U.S. shipments of central air conditioners and air-source heat pumps totaled 903,856 units in September 2024, changed +18.4 percent compared to 763,301 units shipped in September 2023. U.S. shipments of air conditioners changed +12.8 percent, to 520,197 units, compared to 461,330 units shipped in September 2023. U.S. shipments of air-source heat pumps changed +27.1 percent, to 383,659 units, compared to 301,971 shipped in September 2023.



Year-to-date combined shipments of central air conditioners and air-source heat pumps changed +5.6 percent, to 7,639,648, compared to 7,232,656 units shipped during the same period in 2023. Year-to-date shipments of central air conditioners changed +4.2 percent, to 4,423,927 units, compared to 4,244,595 units shipped during the same period in 2023. The year-to-date total for heat pump shipments changed +7.6 percent, to 3,215,721, compared to 2,988,061 units shipped during the same period in 2023.

<i>Year-to-Date</i>				
	Sep 24 YTD	Sep 23 YTD	% CHG. (From 2023-2024)	Sep 22 YTD
Air Conditioners & Heat Pumps Combined Total	7,639,648	7,232,656	+5.6	8,314,671
Air Conditioners Only	4,423,927	4,244,595	+4.2	4,939,663
Heat Pumps Only	3,215,721	2,988,061	+7.6	3,375,008

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

Size Description (000) BTUH	Month			Size Description (000) BTUH	YTD		
	2024 Total	% Change from 2023	2022 Total		2024 Total	% Change from 2023	2022 Total
Under 16.5	37,479	+31.3	40,322	Under 16.5	301,031	+11.9	345,337
16.5-21.9	121,805	+37.0	111,224	16.5-21.9	904,742	+4.6	816,083
22-26.9	195,916	+33.6	174,116	22-26.9	1,619,661	+14.1	1,659,181
27-32.9	137,800	+28.9	141,063	27-32.9	1,181,226	+8.3	1,288,604
33-38.9	168,986	+14.5	187,989	33-38.9	1,503,025	+5.4	1,768,519
39-43.9	63,691	+21.5	64,770	39-43.9	506,450	+1.8	615,567
44-53.9	85,671	-4.9	93,074	44-53.9	761,144	-4.9	905,613
54-64.9	66,521	-8.6	72,922	54-64.9	614,111	-4.3	703,969
65-96.9	8,630	-20.5	8,715	65-96.9	82,324	-0.2	75,377
97-134.9	7,335	-10.5	7,710	97-134.9	70,434	+10.7	60,180
135-184.9	5,003	-1.7	4,437	135-184.9	46,149	+19.7	36,038
185-249.9	2,078	-8.5	2,546	185-249.9	20,896	+36.5	16,664
250-319.9	1,384	-16.2	1,444	250-319.9	15,198	+34.8	12,902
320-379.9	374	-17.6	303	320-379.9	3,398	+27.3	2,516
380-539.9	432	+33.7	310	380-539.9	3,549	+30.9	2,713
540-639.9	320	+22.6	253	540-639.9	2,751	+30.3	2,298
640-799.9	160	+56.9	97	640 & Over	1,225	+35.1	915
800.0-899.9	59	+13.5	51	800.0-899.9	499	+13.4	500
900.0-999.9	71	+2.9	71	900.0-999.9	634	+18.7	612
1,000.0-1,199.9	56	+100.0	35	1,000.0-1,199.9	376	+21.3	320
1,200.0 & Over	85	+10.4	76	1,200.0 & Over	825	+9.7	763
TOTAL	903,856	+18.4	911,528	TOTAL	7,639,648	+5.6	8,314,671

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>.

- How do my colleagues subscribe to the report?
Go to <http://www.ahrinet.org/statistics> and click on Subscribe.
- 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.
- Do you provide U.S. data by state?
That data is not publicly available.
- Is historical data available in Excel?
It is available monthly reflecting exactly the data presented in the monthly public release.
- Is data available in a different format?
The only format available is provided on the website.
- Does the December YTD data equal full calendar year?
Yes, it does.
- 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 included in these reports.
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 330 heating, water heating, ventilation, air conditioning and commercial refrigeration manufacturers within the global HVACR industry. AHRI's 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.