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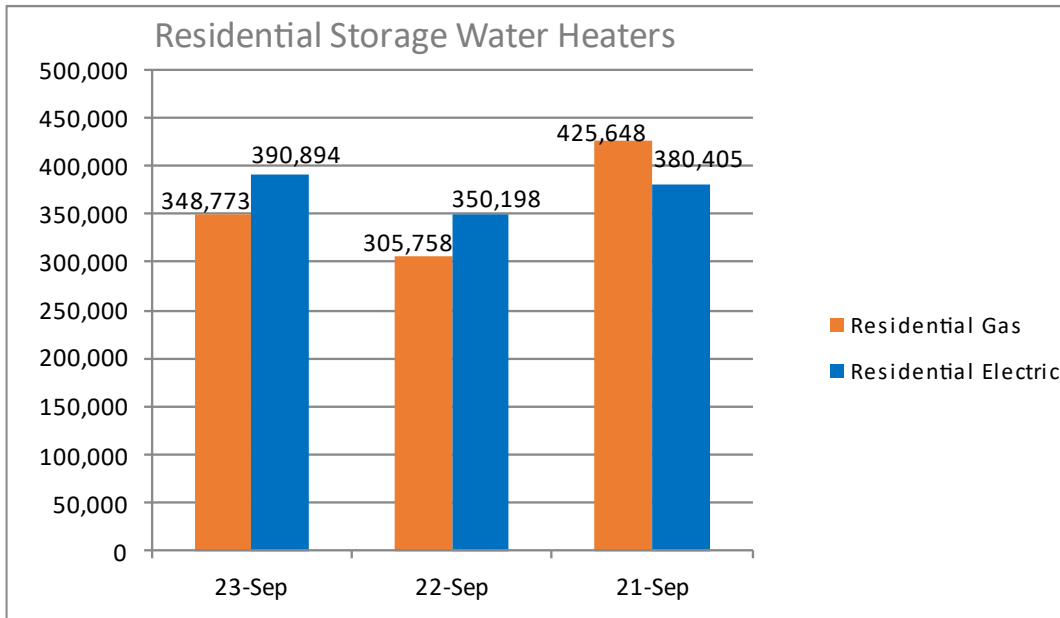
Public data is available in Excel format [here](#).

Please see our FAQs [here](#).

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

Residential Storage Water Heaters

U.S. shipments of residential gas storage water heaters for September 2023 increased 14.1 percent, to 348,773 units, up from 305,758 units shipped in September 2022. Residential electric storage water heater shipments increased 11.6 percent in September 2023 to 390,894 units, up from 350,198 units shipped in September 2022.

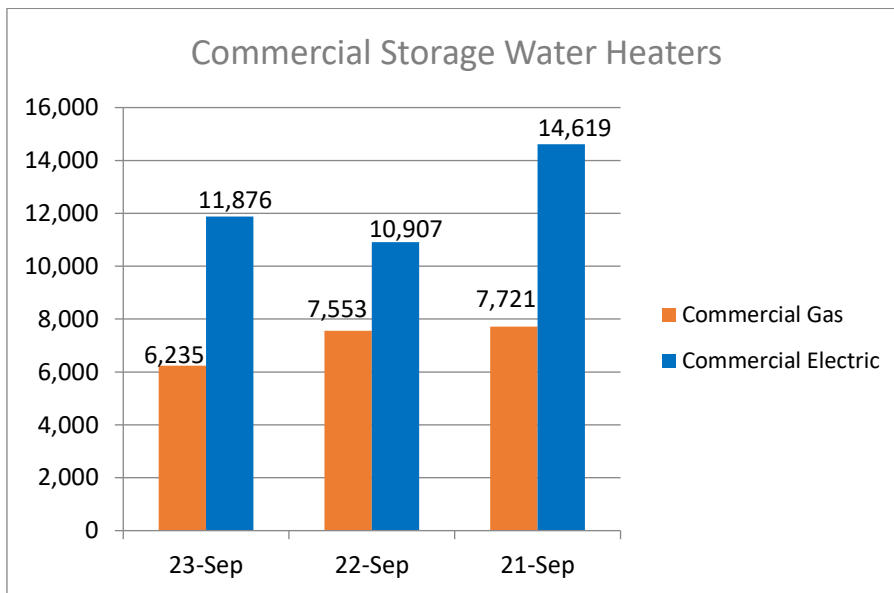


Year-to-date U.S. shipments of residential gas storage water heaters increased 3.6 percent, to 3,224,952, compared to 3,111,669 shipped during that same period in 2022. Residential electric storage water heater shipments increased 5.4 percent year-to-date, to 3,627,463 units, compared to 3,443,154 shipped during the same period in 2022.

<i>Year-to-Date</i>	Sep 23 YTD	Sep 22 YTD	% CHG. (From 2022-2023)	Sep 21 YTD
Residential Storage Gas	3,224,952	3,111,669	+3.6	3,687,150
Residential Storage Electric	3,627,463	3,443,154	+5.4	3,616,615

Commercial Storage Water Heaters

Commercial gas storage water heater shipments decreased 17.5 percent in September 2023, to 6,235 units, down from 7,553 units shipped in September 2022. Commercial electric storage water heater shipments increased 8.9 percent in September 2023, to 11,876, up from 10,907 units shipped in September 2022.

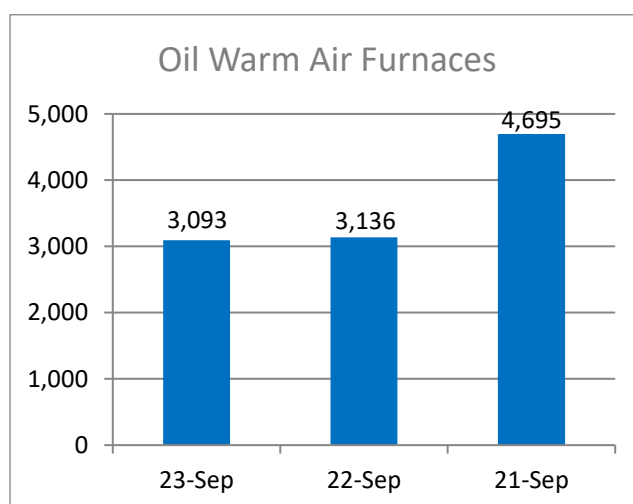
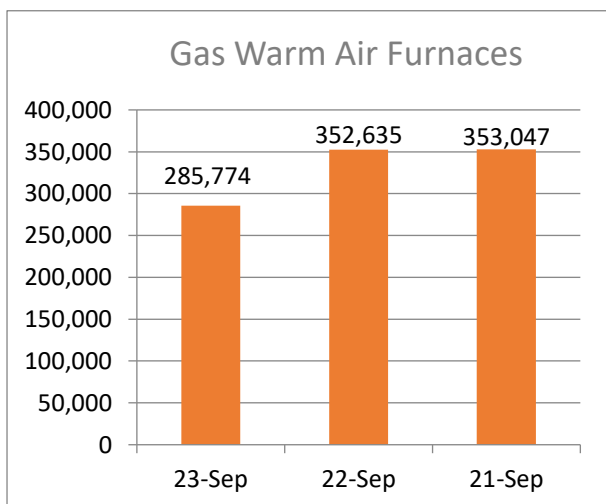


Year-to-date U.S. shipments of commercial gas storage water heaters increased 0.7 percent, to 65,390 units, compared with 64,948 units shipped during the same period in 2022. Year-to-date commercial electric storage water heater shipments increased 22.9 percent, to 110,400 units, up from 89,844 units shipped during the same period in 2022.

<i>Year-to-Date</i>	Sep 23 YTD	Sep 22 YTD	% CHG. (From 2022-2023)	Sep 21 YTD
Commercial Storage Gas	65,390	64,948	+0.7	69,194
Commercial Storage Electric	110,400	89,844	+22.9	116,375

Warm Air Furnaces

U.S. shipments of gas warm air furnaces for September 2023 decreased 19 percent, to 285,774 units, down from 352,635 units shipped in September 2022. Oil warm air furnace shipments decreased 1.4 percent, to 3,093 units in September 2023, down from 3,136 units shipped in September 2022.

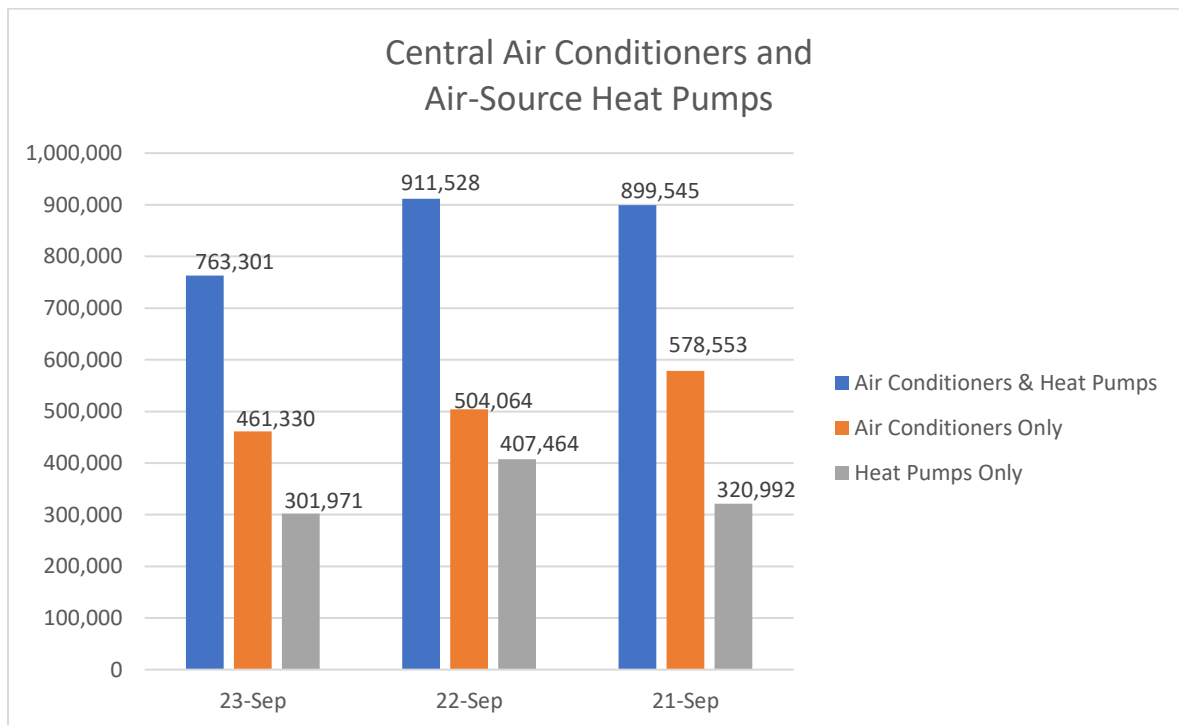


Year-to-date U.S. shipments of gas warm air furnaces decreased 23.9 percent, to 2,297,977 units, compared with 3,020,786 units shipped during the same period in 2022. Year-to-date U.S. shipments of oil warm air furnaces decreased 29.3 percent, to 14,540 units, compared with 20,552 units shipped during the same period in 2022.

<i>Year-to-Date</i>				
	Sep 23 YTD	Sep 22 YTD	% CHG. (From 2022-2023)	Sep 21 YTD
Gas Warm Air Furnaces	2,297,977	3,020,786	-23.9	3,032,919
Oil Warm Air Furnaces	14,540	20,552	-29.3	27,206

Central Air Conditioners and Air-Source Heat Pumps

U.S. shipments of central air conditioners and air-source heat pumps totaled 763,301 units in September 2023, down 16.3 percent from 911,528 units shipped in September 2022. U.S. shipments of air conditioners decreased 8.5 percent, to 461,330 units, down from 504,064 units shipped in September 2022. U.S. shipments of air-source heat pumps decreased 25.9 percent, to 301,971 units, down from 407,464 units shipped in September 2022.



Year-to-date combined shipments of central air conditioners and air-source heat pumps decreased 13 percent, to 7,232,656 units, down from 8,314,671 units shipped during the same period in 2022. Year-to-date shipments of central air conditioners decreased 14.1 percent, to 4,244,595 units, down from 4,939,663 units shipped during the same period in 2022. The year-to-date total for heat pump shipments decreased 11.5 percent, to 2,988,061, down from 3,375,008 units shipped during the same period in 2022.

<i>Year-to-Date</i>				
	Sep 23 YTD	Sep 22 YTD	% CHG. (From 2022-2023)	Sep 21 YTD
Air Conditioners & Heat Pumps Combined Total	7,232,656	8,314,671	-13.0	8,111,854
Air Conditioners Only	4,244,595	4,939,663	-14.1	5,059,384
Heat Pumps Only	2,988,061	3,375,008	-11.5	3,052,470

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	28,540	-29.2	31,785
16.5-21.9	88,325	-20.0	69,964
22-26.9	146,606	-15.8	178,362
27-32.9	106,932	-24.2	142,025
33-38.9	147,577	-21.5	208,094
39-43.9	52,438	-19.0	67,065
44-53.9	90,096	-3.2	96,649
54-64.9	72,766	-0.2	81,000
65-96.9	10,849	+24.5	8,429
97-134.9	8,193	+6.3	6,572
135-184.9	5,092	+14.8	4,839
185-249.9	2,270	-10.8	1,978
250-319.9	1,651	+14.3	1,432
320-379.9	454	+49.8	403
380-539.9	323	+4.2	346
540-639.9	261	+3.2	260
640-799.9	102	+5.2	127
800.0-899.9	52	+2.0	74
900.0-999.9	69	-2.8	60
1,000.0-1,199.9	28	-20.0	32
1,200.0 & Over	77	+1.3	69
TOTAL	763,301	-16.3	899,545

YTD			
Size Description (000) BTUH	2023 Total	% Change from 2022	2021 Total
Under 16.5	268,977	-22.1	366,322
16.5-21.9	865,356	+6.0	724,402
22-26.9	1,419,606	-14.4	1,633,152
27-32.9	1,090,954	-15.3	1,296,721
33-38.9	1,426,209	-19.4	1,745,836
39-43.9	497,583	-19.2	606,587
44-53.9	800,249	-11.6	867,229
54-64.9	642,035	-8.8	653,990
65-96.9	82,494	+9.4	77,673
97-134.9	63,621	+5.7	60,127
135-184.9	38,553	+7.0	38,522
185-249.9	15,311	-8.1	16,342
250-319.9	11,272	-12.6	13,978
320-379.9	2,669	+6.1	3,005
380-539.9	2,712	-0.0	2,870
540-639.9	2,112	-8.1	1,974
640 & Over	907	-0.9	1,019
800.0-899.9	440	-12.0	413
900.0-999.9	534	-12.7	543
1,000.0-1,199.9	310	-3.1	315
1,200.0 & Over	752	-1.4	834
TOTAL	7,232,656	-13.0	8,111,854

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.

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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.