



we make life better®

2311 Wilson Boulevard Suite 400 Arlington VA 22201 USA
 Phone 703 524 8800 | Fax 703 562 1942
 www.ahrinet.org

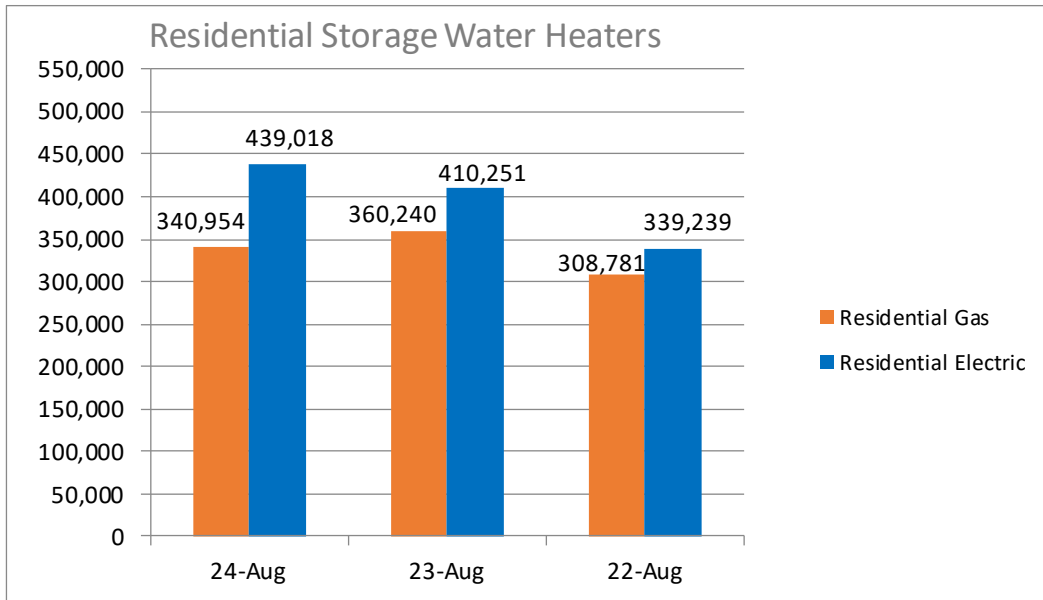
October 11, 2024
Contact: [Adanna Le Gendre](#)
Phone: 703.600.0363

Public data is available in Excel format [here](#).
Please see our FAQs [here](#).

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

Residential Storage Water Heaters

U.S. shipments of residential gas storage water heaters for August 2024 changed -5.4 percent, to 340,954 units, compared to 360,240 units shipped in August 2023. Residential electric storage water heater shipments changed +7.0 percent in August 2024 to 439,018 units, compared to 410,251 units shipped in August 2023.

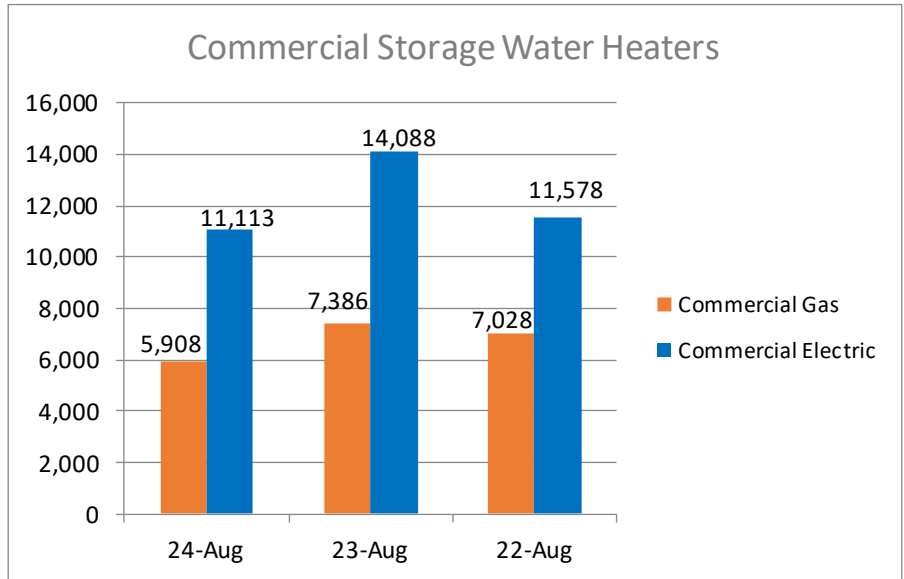


Year-to-date U.S. shipments of residential gas storage water heaters changed -0.4 percent, to 2,863,496, compared to 2,876,179 shipped during that same period in 2023. Residential electric storage water heater shipments changed +7.7 percent year-to-date, to 3,484,264 units, compared to 3,236,569 shipped during the same period in 2023.

Year-to-Date	Aug 24 YTD	Aug 23 YTD	% CHG. (From 2023-2024)	Aug 22 YTD
Residential Storage Gas	2,863,496	2,876,179	-0.4	2,805,911
Residential Storage Electric	3,484,264	3,236,569	+7.7	3,092,956

Commercial Storage Water Heaters

Commercial gas storage water heater shipments changed -20.0 percent in August 2024, to 5,908 units, compared to 7,386 units shipped in August 2023. Commercial electric storage water heater shipments changed -21.1 percent in August 2024, to 11,113, compared to 14,088 units shipped in August 2023.

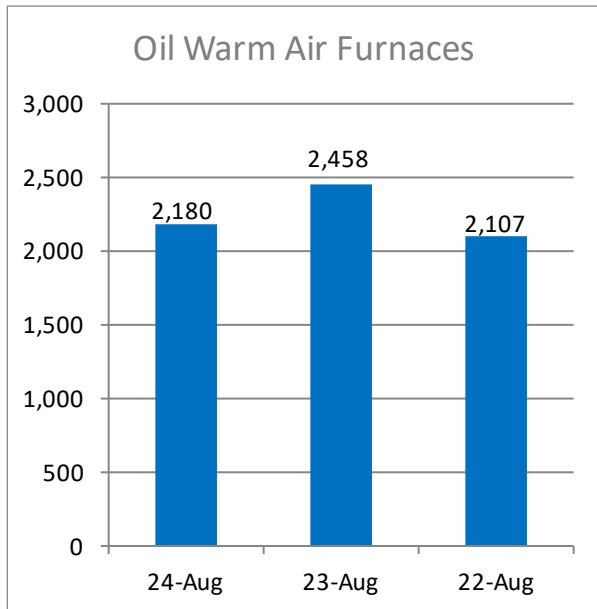
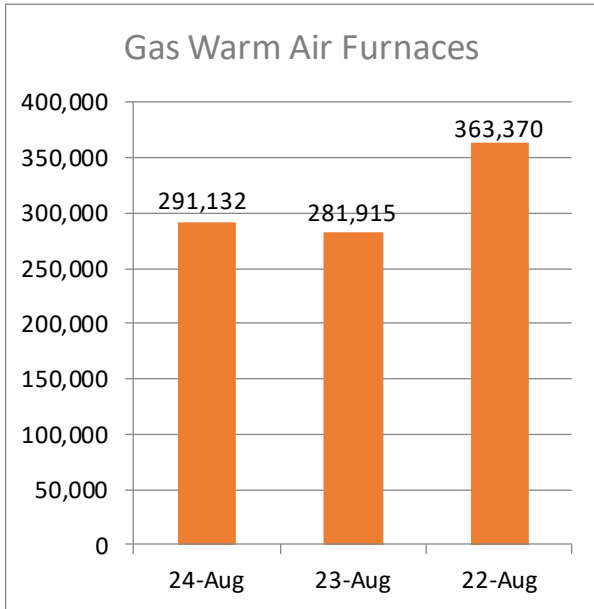


Year-to-date U.S. shipments of commercial gas storage water heaters changed -2.1 percent, to 57,906 units, compared to 59,155 units shipped during the same period in 2023. Year-to-date commercial electric storage water heater shipments changed +8.4 percent, to 106,760 units, compared to 98,524 units shipped during the same period in 2023.

<i>Year-to-Date</i>	Aug 24 YTD	Aug 23 YTD	% CHG. (From 2023-2024)	Aug 22 YTD
Commercial Storage Gas	57,906	59,155	-2.1	57,395
Commercial Storage Electric	106,760	98,524	+8.4	78,937

Warm Air Furnaces

U.S. shipments of gas warm air furnaces for August 2024 changed +3.3 percent, to 291,132 units, compared to 281,915 units shipped in August 2023. Oil warm air furnace shipments changed -11.3 percent, to 2,180 units in August 2024, compared to 2,458 units shipped in August 2023.



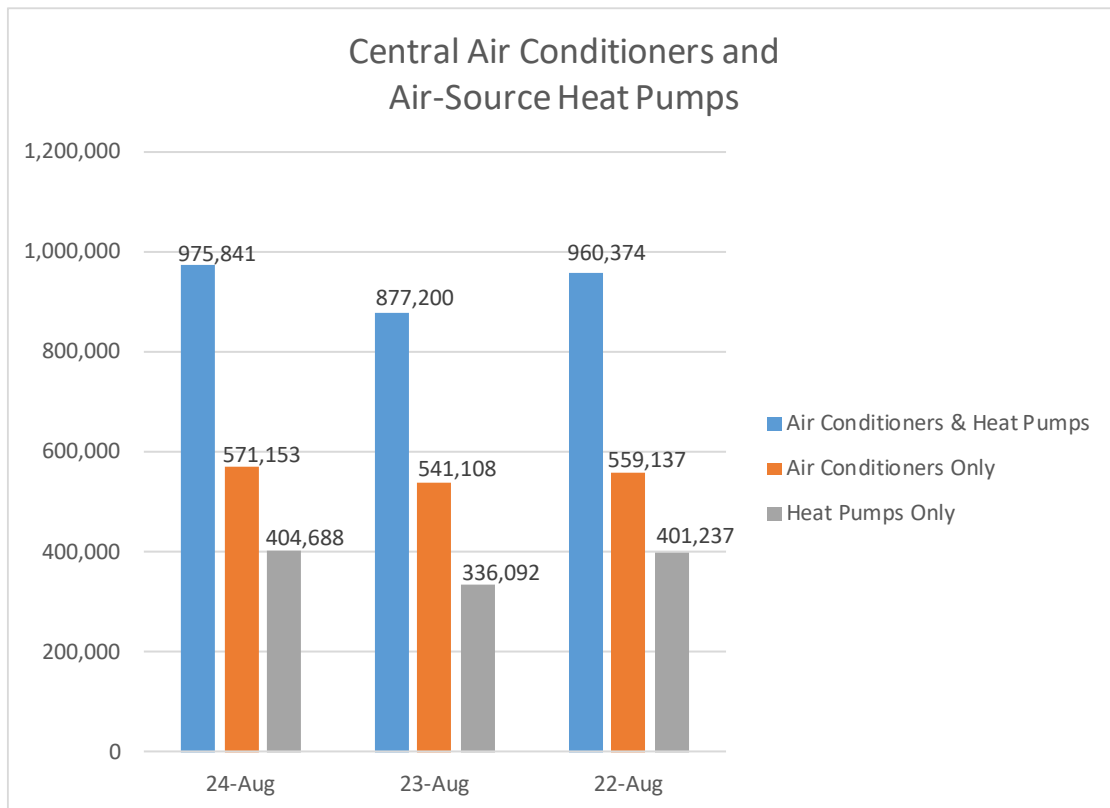
Year-to-date U.S. shipments of gas warm air furnaces changed -0.1 percent, to 2,009,468 units, compared to 2,012,203 units shipped during the same period in 2023. Year-to-date U.S. shipments of oil warm air furnaces

changed +42.2 percent, to 16,274 units, compared to 11,447 units shipped during the same period in 2023.

<i>Year-to-Date</i>				
	Aug 24 YTD	Aug 23 YTD	% CHG. (From 2023-2024)	Aug 22 YTD
Gas Warm Air Furnaces	2,009,468	2,012,203	-0.1	2,668,151
Oil Warm Air Furnaces	16,274	11,447	+42.2	17,416

Central Air Conditioners and Air-Source Heat Pumps

U.S. shipments of central air conditioners and air-source heat pumps totaled 975,841 units in August 2024, changed +11.2 percent compared to 877,200 units shipped in August 2023. U.S. shipments of air conditioners changed +5.6 percent, to 571,153 units, compared to 541,108 units shipped in August 2023. U.S. shipments of air-source heat pumps changed +20.4 percent, to 404,688 units, compared to 336,092 shipped in August 2023.



Year-to-date combined shipments of central air conditioners and air-source heat pumps changed +4.1 percent, to 6,735,792, compared to 6,469,355 units shipped during the same period in 2023. Year-to-date shipments of central air conditioners changed +3.2 percent, to 3,903,730 units, compared to 3,783,265 units shipped during the same period in 2023. The year-to-date total for heat pump shipments changed +5.4 percent, to 2,832,062, compared to 2,686,090 units shipped during the same period in 2023.

<i>Year-to-Date</i>				
	Aug 24 YTD	Aug 23 YTD	% CHG. (From 2023-2024)	Aug 22 YTD
Air Conditioners & Heat Pumps Combined Total	6,735,792	6,469,355	+4.1	7,403,143
Air Conditioners Only	3,903,730	3,783,265	+3.2	4,435,599
Heat Pumps Only	2,832,062	2,686,090	+5.4	2,967,544

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	44,223	+30.0	40,144	Under 16.5	263,552	+9.6	305,015
16.5-21.9	111,134	+14.5	98,225	16.5-21.9	782,937	+0.8	704,859
22-26.9	198,925	+22.0	200,566	22-26.9	1,423,745	+11.8	1,485,065
27-32.9	159,707	+25.2	144,460	27-32.9	1,043,426	+6.0	1,147,541
33-38.9	195,622	+12.8	198,773	33-38.9	1,334,039	+4.3	1,580,530
39-43.9	58,506	-5.3	68,738	39-43.9	442,759	-0.5	550,797
44-53.9	99,820	-4.9	99,893	44-53.9	675,473	-4.9	812,539
54-64.9	77,616	-9.1	82,349	54-64.9	547,590	-3.8	631,047
65-96.9	9,710	-6.5	10,131	65-96.9	73,694	+2.9	66,662
97-134.9	8,759	-4.3	8,010	97-134.9	63,099	+13.8	52,470
135-184.9	5,740	+15.9	4,476	135-184.9	41,146	+23.0	31,601
185-249.9	2,722	+12.2	1,850	185-249.9	18,818	+44.3	14,118
250-319.9	1,782	+9.8	1,414	250-319.9	13,814	+43.6	11,458
320-379.9	375	-11.1	330	320-379.9	3,024	+36.5	2,213
380-539.9	389	+19.0	348	380-539.9	3,117	+30.5	2,403
540-639.9	371	+35.9	252	540-639.9	2,431	+31.3	2,045
640-799.9	134	-5.6	103	640 & Over	1,065	+32.3	818
800.0-899.9	50	+8.7	77	800.0-899.9	440	+13.4	449
900.0-999.9	79	-1.3	103	900.0-999.9	563	+21.1	541
1,000.0-1,199.9	48	+4.3	35	1,000.0-1,199.9	320	+13.5	285
1,200.0 & Over	129	+2.4	97	1,200.0 & Over	740	+9.6	687
TOTAL	975,841	+11.2	960,374	TOTAL	6,735,792	+4.1	7,403,143

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 available publicly.
- 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 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](#).

###

[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.