



we make life better®

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

September 8, 2023

Contact: [Adanna Le Gendre](#)

Phone: 703.600.0363

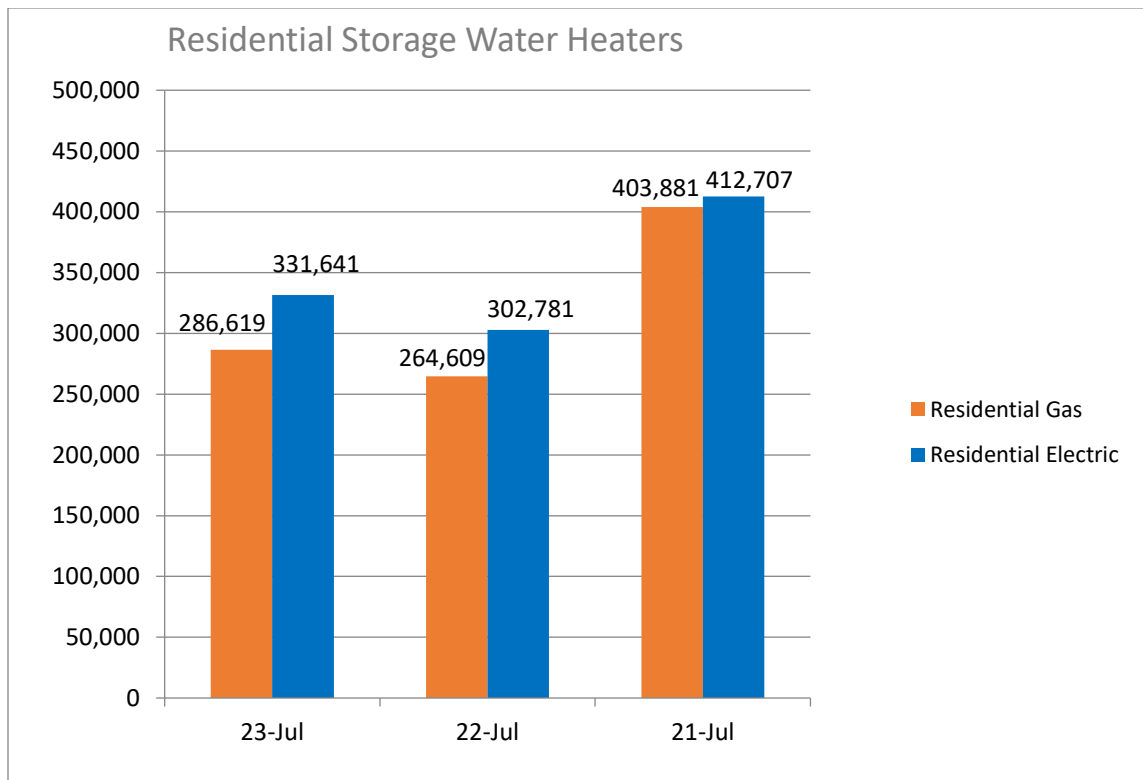
Public data is available in Excel format [here](#).

Please see our FAQs [here](#).

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

Residential Storage Water Heaters

U.S. shipments of residential gas storage water heaters for July 2023 increased 8.3 percent, to 286,619 units, up from 264,609 units shipped in July 2022. Residential electric storage water heater shipments increased 9.5 percent in July 2023 to 331,641 units, up from 302,781 units shipped in July 2022.

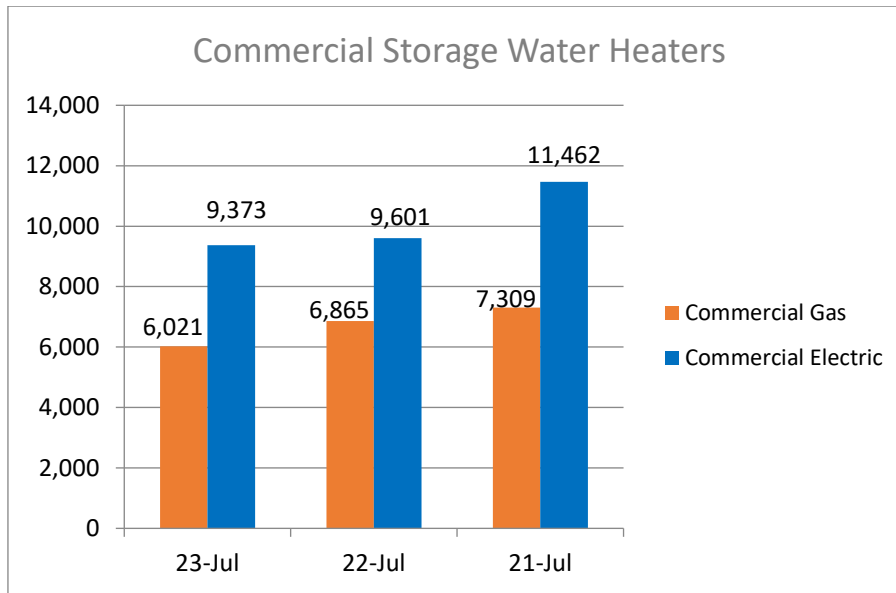


Year-to-date U.S. shipments of residential gas storage water heaters increased 0.8 percent, to 2,515,939 compared to 2,497,130 shipped during that same period in 2022. Residential electric storage water heater shipments increased 2.6 percent year-to-date, to 2,826,318 units, compared to 2,753,717 shipped during the same period in 2022.

Year-to-Date	Jul 23 YTD	Jul 22 YTD	%CHG. (From 2022-2023)	Jul 21 YTD
Residential Storage Gas	2,515,939	2,497,130	+0.8	2,875,653
Residential Storage Electric	2,826,318	2,753,717	+2.6	2,858,236

Commercial Storage Water Heaters

Commercial gas storage water heater shipments decreased 12.3 percent in July 2023, to 6,021 units, down from 6,865 units shipped in July 2022. Commercial electric storage water heater shipments decreased 2.4 percent in July 2023, to 9,373 units, down from 9,601 units shipped in July 2022.

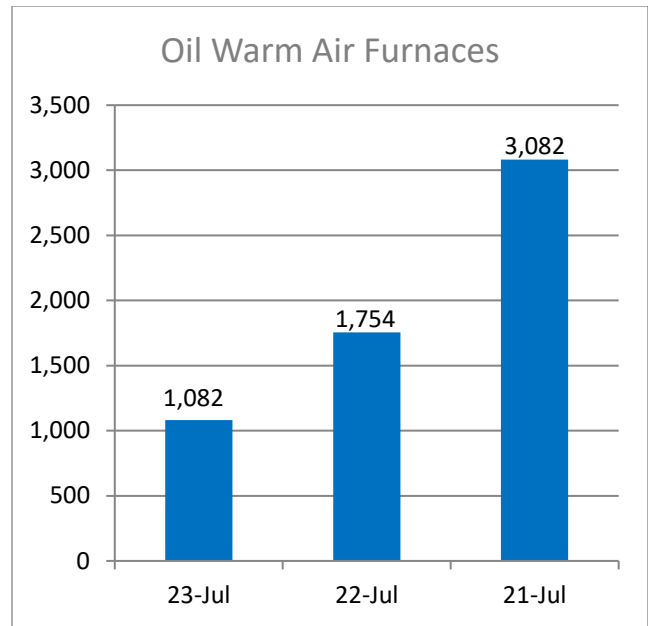
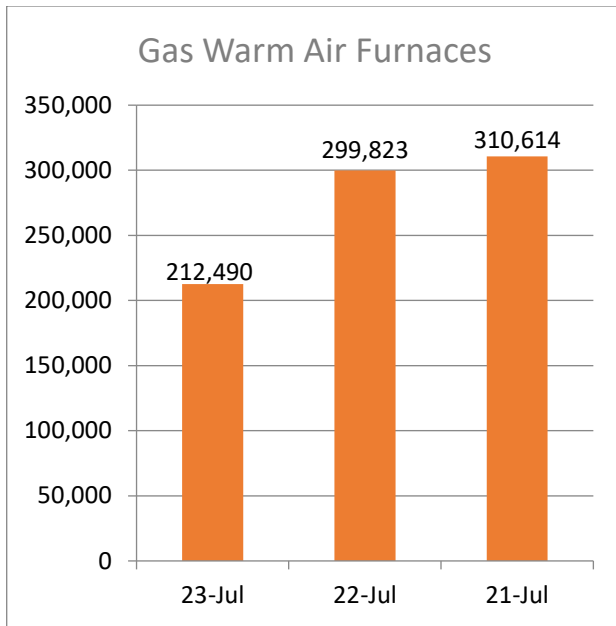


Year-to-date U.S. shipments of commercial gas storage water heaters increased 2.8 percent, to 51,769 units, compared with 50,367 units shipped during the same period in 2022. Year-to-date commercial electric storage water heater shipments increased 25.4 percent, to 84,436 units, up from 67,359 units shipped during the same period in 2022.

<i>Year-to-Date</i>				
	Jul 23 YTD	Jul 22 YTD	%CHG. (From 2022-2023)	Jul 21 YTD
Commercial Storage Gas	51,769	50,367	+2.8	53,858
Commercial Storage Electric	84,436	67,359	+25.4	87,473

Warm Air Furnaces

U.S. shipments of gas warm air furnaces for July 2023 decreased 29.1 percent, to 212,490 units, down from 299,823 units shipped in July 2022. Oil warm air furnace shipments decreased 38.3 percent, to 1,082 units in July 2023, down from 1,754 units shipped in July 2022.

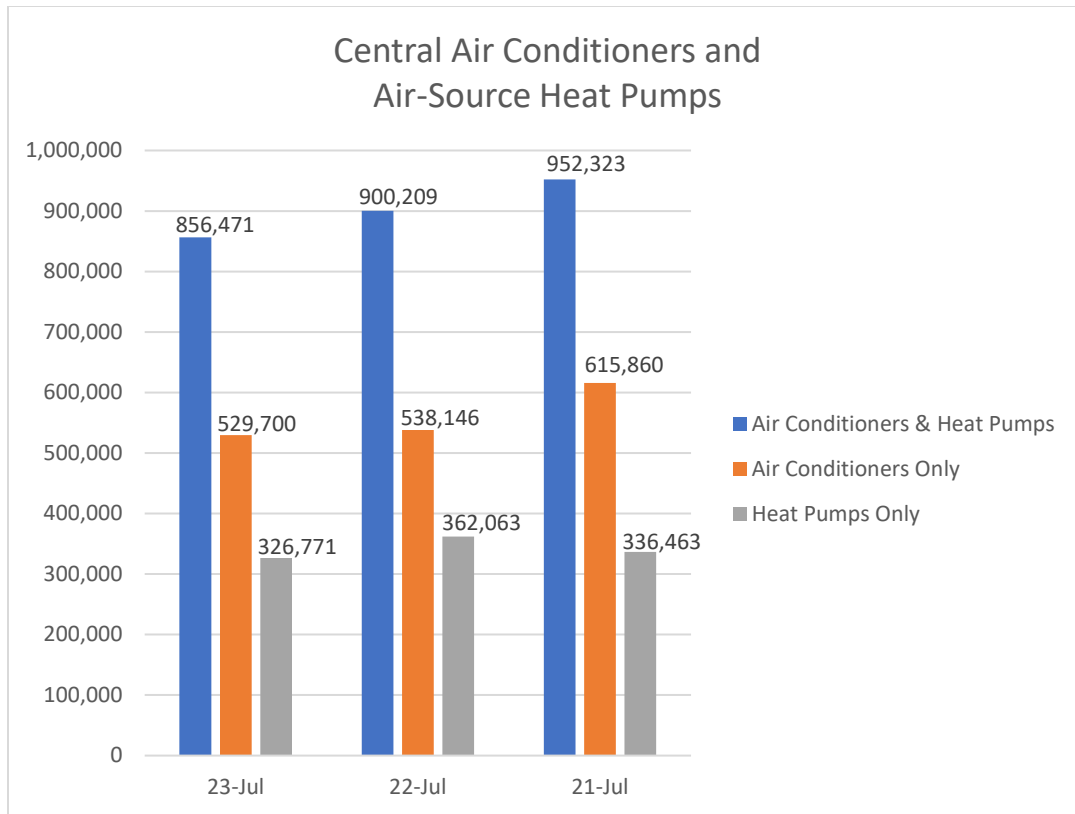


Year-to-date U.S. shipments of gas warm air furnaces decreased 24.9 percent, to 1,730,288 units, compared with 2,304,781 units shipped during the same period in 2022. Year-to-date U.S. shipments of oil warm air furnaces decreased 41.3 percent, to 8,989 units, compared with 15,309 units shipped during the same period in 2022.

<i>Year-to-Date</i>				
	Jul 23 YTD	Jul 22 YTD	%CHG. (From 2022-2023)	Jul 21 YTD
Gas Warm Air Furnaces	1,730,288	2,304,781	-24.9	2,346,840
Oil Warm Air Furnaces	8,989	15,309	-41.3	19,424

Central Air Conditioners and Air-Source Heat Pumps

U.S. shipments of central air conditioners and air-source heat pumps totaled 856,471 units in July 2023, down 4.9 percent from 900,209 units shipped in July 2022. U.S. shipments of air conditioners decreased 1.6 percent, to 529,700 units, down from 538,146 units shipped in July 2022. U.S. shipments of air-source heat pumps decreased 9.7 percent, to 326,771 units, down from 362,063 units shipped in July 2022.



Year-to-date combined shipments of central air conditioners and air-source heat pumps decreased 13.2 percent, to 5,592,155 units, down from 6,442,769 units shipped during the same period in 2022. Year-to-date shipments of central air conditioners decreased 16.4 percent, to 3,242,157 units, down from 3,876,462 units shipped during the same period in 2022. The year-to-date total for heat pump shipments decreased 8.4 percent, to 2,349,998, down from 2,566,307 units shipped during the same period in 2022.

<i>Year-to-Date</i>	Jul 23 YTD	Jul 22 YTD	%CHG. (From 2022-2023)	Jul 21 YTD
Air Conditioners & Heat Pumps Combined Total	5,592,155	6,442,769	-13.2	6,282,749
Air Conditioners Only	3,242,157	3,876,462	-16.4	3,892,236
Heat Pumps Only	2,349,998	2,566,307	-8.4	2,390,513

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

Size Description (000) BTUH	Month		
	2023 Total	% Change from 2022	2021 Total
Under 16.5	30,126	-17.3	45,382
16.5-21.9	88,088	+8.1	82,258
22-26.9	174,753	-4.6	186,714
27-32.9	126,699	-3.5	153,391
33-38.9	164,891	-15.0	208,312
39-43.9	63,008	-0.2	71,712
44-53.9	103,166	+1.1	100,686
54-64.9	80,140	-5.2	78,110
65-96.9	8,860	-1.7	8,971
97-134.9	7,973	+15.9	7,210
135-184.9	4,373	+5.6	4,689
185-249.9	1,924	+10.8	1,934
250-319.9	1,298	+3.3	1,568
320-379.9	237	+20.2	353
380-539.9	309	-15.6	370
540-639.9	231	-12.5	267
640-799.9	94	-12.1	115
800.0-899.9	50	+25.0	41
900.0-999.9	57	-17.4	57
1,000.0-1,199.9	38	-19.1	54
1,200.0 & Over	96	+60.0	129
TOTAL	856,471	-4.9	952,323

Size Description (000) BTUH	YTD		
	2023 Total	% Change from 2022	2021 Total
Under 16.5	206,409	-22.1	295,105
16.5-21.9	679,362	+12.0	572,051
22-26.9	1,109,904	-13.6	1,261,422
27-32.9	856,480	-14.6	1,005,565
33-38.9	1,105,219	-20.0	1,342,799
39-43.9	383,364	-20.5	468,918
44-53.9	605,230	-15.1	673,040
54-64.9	483,921	-11.8	498,198
65-96.9	61,263	+8.4	59,784
97-134.9	46,276	+4.1	45,620
135-184.9	28,507	+5.1	28,409
185-249.9	10,614	-13.5	12,393
250-319.9	7,998	-20.4	11,089
320-379.9	1,793	-4.8	2,236
380-539.9	2,062	+0.3	2,197
540-639.9	1,578	-12.0	1,516
640 & Over	663	-7.3	778
800.0-899.9	342	-8.1	289
900.0-999.9	385	-12.1	432
1,000.0-1,199.9	236	-5.6	241
1,200.0 & Over	549	-6.9	667
TOTAL	5,592,155	-13.2	6,282,749

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.

###

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.