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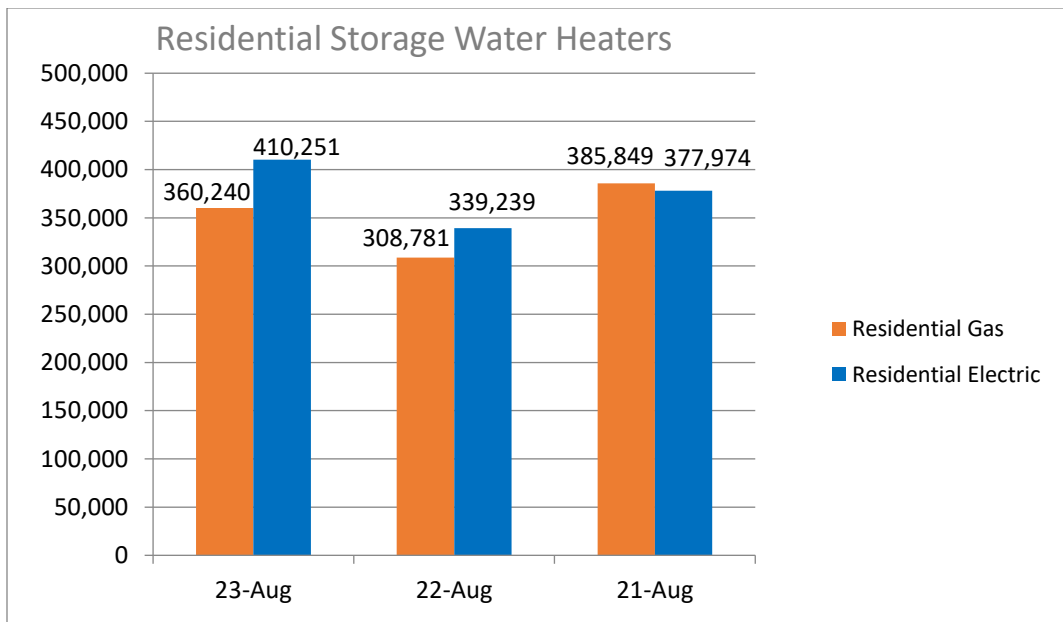
October 13, 2023
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*Public data is available in Excel format [here](#).
 Please see our FAQs [here](#).*

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

Residential Storage Water Heaters

U.S. shipments of residential gas storage water heaters for August 2023 increased 16.7 percent, to 360,240 units, up from 308,781 units shipped in August 2022. Residential electric storage water heater shipments increased 20.9 percent in August 2023 to 410,251 units, up from 339,239 units shipped in August 2022.

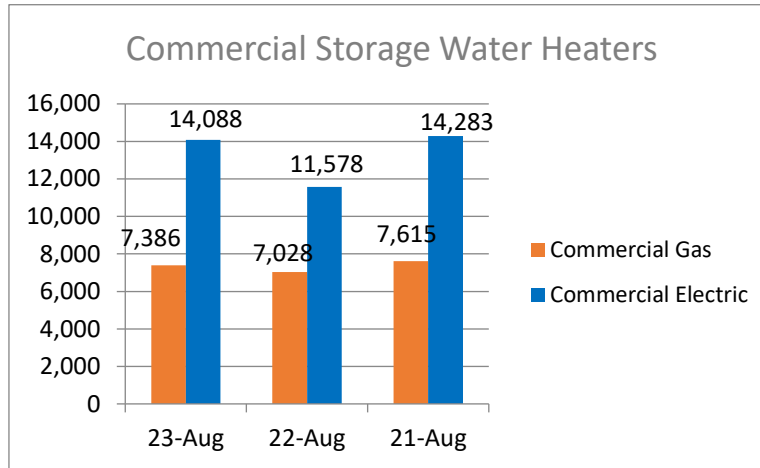


Year-to-date U.S. shipments of residential gas storage water heaters increased 2.5 percent, to 2,876,179 compared to 2,805,911 shipped during that same period in 2022. Residential electric storage water heater shipments increased 4.6 percent year-to-date, to 3,236,569 units, compared to 3,092,956 shipped during the same period in 2022.

<i>Year-to-Date</i>	Aug 23 YTD	Aug 22 YTD	% CHG. (From 2022-2023)	Aug 21 YTD
Residential Storage Gas	2,876,179	2,805,911	+2.5	3,261,502
Residential Storage Electric	3,236,569	3,092,956	+4.6	3,236,210

Commercial Storage Water Heaters

Commercial gas storage water heater shipments increased 5.1 percent in August 2023, to 7,386 units, up from 7,028 units shipped in August 2022. Commercial electric storage water heater shipments increased 21.7 percent in August 2023, to 14,088 units, up from 11,578 units shipped in August 2022.

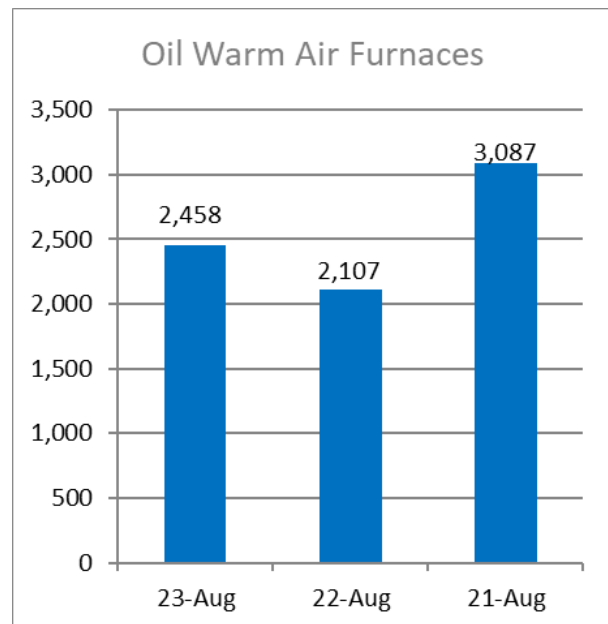
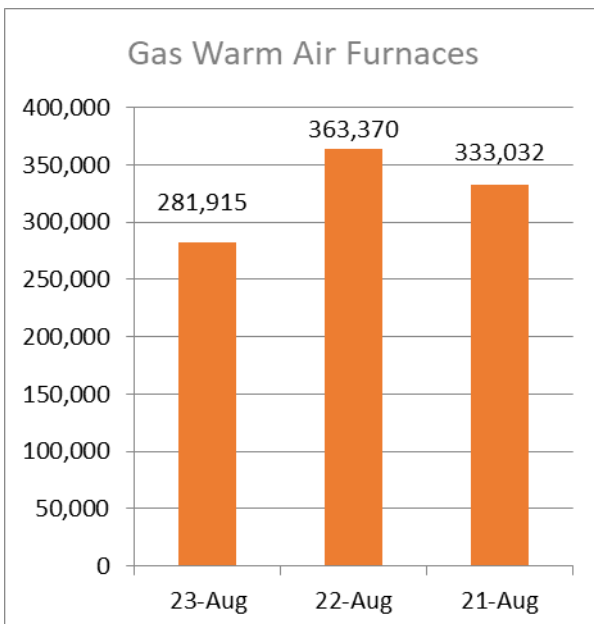


Year-to-date U.S. shipments of commercial gas storage water heaters increased 3.1 percent, to 59,155 units, compared with 57,395 units shipped during the same period in 2022. Year-to-date commercial electric storage water heater shipments increased 24.8 percent, to 98,524 units, up from 78,937 units shipped during the same period in 2022.

Year-to-Date	Aug 23 YTD	Aug 22 YTD	% CHG. (From 2022-2023)	Aug 21 YTD
Commercial Storage Gas	59,155	57,395	+3.1	61,473
Commercial Storage Electric	98,524	78,937	+24.8	101,756

Warm Air Furnaces

U.S. shipments of gas warm air furnaces for August 2023 decreased 22.4 percent, to 281,915 units, down from 363,370 units shipped in August 2022. Oil warm air furnace shipments increased 16.7 percent, to 2,458 units in August 2023, up from 2,107 units shipped in August 2022.

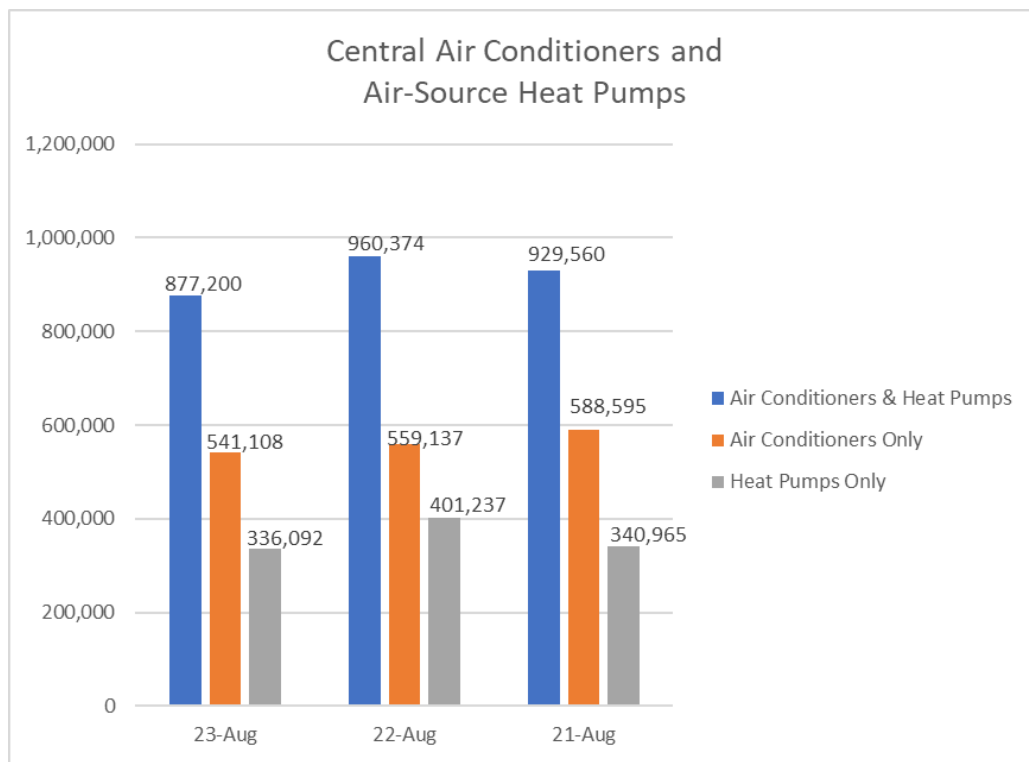


Year-to-date U.S. shipments of gas warm air furnaces decreased 24.6 percent, to 2,012,203 units, compared with 2,668,151 units shipped during the same period in 2022. Year-to-date U.S. shipments of oil warm air furnaces decreased 34.3 percent, to 11,447 units, compared with 17,416 units shipped during the same period in 2022.

<i>Year-to-Date</i>				
	Aug 23 YTD	Aug 22 YTD	% CHG. (From 2022-2023)	Aug 21 YTD
Gas Warm Air Furnaces	2,012,203	2,668,151	-24.6	2,679,872
Oil Warm Air Furnaces	11,447	17,416	-34.3	22,511

Central Air Conditioners and Air-Source Heat Pumps

U.S. shipments of central air conditioners and air-source heat pumps totaled 877,200 units in August 2023, down 8.7 percent from 960,374 units shipped in August 2022. U.S. shipments of air conditioners decreased 3.2 percent, to 541,108 units, down from 559,137 units shipped in August 2022. U.S. shipments of air-source heat pumps decreased 16.2 percent, to 336,092 units, down from 401,237 units shipped in August 2022.



Year-to-date combined shipments of central air conditioners and air-source heat pumps decreased 12.6 percent, to 6,469,355 units, down from 7,403,143 units shipped during the same period in 2022. Year-to-date shipments of central air conditioners decreased 14.7 percent, to 3,783,265 units, down from 4,435,599 units shipped during the same period in 2022. The year-to-date total for heat pump shipments decreased 9.5 percent, to 2,686,090, down from 2,967,544 units shipped during the same period in 2022.

<i>Year-to-Date</i>				
	Aug 23 YTD	Aug 22 YTD	% CHG. (From 2022-2023)	Aug 21 YTD
Air Conditioners & Heat Pumps Combined Total	6,469,355	7,403,143	-12.6	7,212,309
Air Conditioners Only	3,783,265	4,435,599	-14.7	4,480,831
Heat Pumps Only	2,686,090	2,967,544	-9.5	2,731,478

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	34,028	-15.2	39,452
16.5-21.9	97,069	-1.2	82,387
22-26.9	163,096	-18.7	193,368
27-32.9	127,542	-11.7	149,131
33-38.9	173,413	-12.8	194,943
39-43.9	61,781	-10.1	70,604
44-53.9	104,923	+5.0	97,540
54-64.9	85,348	+3.6	74,732
65-96.9	10,382	+2.5	9,460
97-134.9	9,152	+14.3	7,935
135-184.9	4,954	+10.7	5,274
185-249.9	2,427	+31.2	1,971
250-319.9	1,623	+14.8	1,457
320-379.9	422	+27.9	366
380-539.9	327	-6.0	327
540-639.9	273	+8.3	198
640-799.9	142	+37.9	114
800.0-899.9	46	-40.3	50
900.0-999.9	80	-22.3	51
1,000.0-1,199.9	46	+31.4	42
1,200.0 & Over	126	+29.9	98
TOTAL	877,200	-8.7	929,560

YTD			
Size Description (000) BTUH	2023 Total	% Change from 2022	2021 Total
Under 16.5	240,437	-21.2	334,557
16.5-21.9	776,431	+10.2	654,438
22-26.9	1,273,000	-14.3	1,454,790
27-32.9	984,022	-14.2	1,154,696
33-38.9	1,278,632	-19.1	1,537,742
39-43.9	445,145	-19.2	539,522
44-53.9	710,153	-12.6	770,580
54-64.9	569,269	-9.8	572,990
65-96.9	71,645	+7.5	69,244
97-134.9	55,428	+5.6	53,555
135-184.9	33,461	+5.9	33,683
185-249.9	13,041	-7.6	14,364
250-319.9	9,621	-16.0	12,546
320-379.9	2,215	+0.1	2,602
380-539.9	2,389	-0.6	2,524
540-639.9	1,851	-9.5	1,714
640 & Over	805	-1.6	892
800.0-899.9	388	-13.6	339
900.0-999.9	465	-14.0	483
1,000.0-1,199.9	282	-1.1	283
1,200.0 & Over	675	-1.7	765
TOTAL	6,469,355	-12.6	7,212,309

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.