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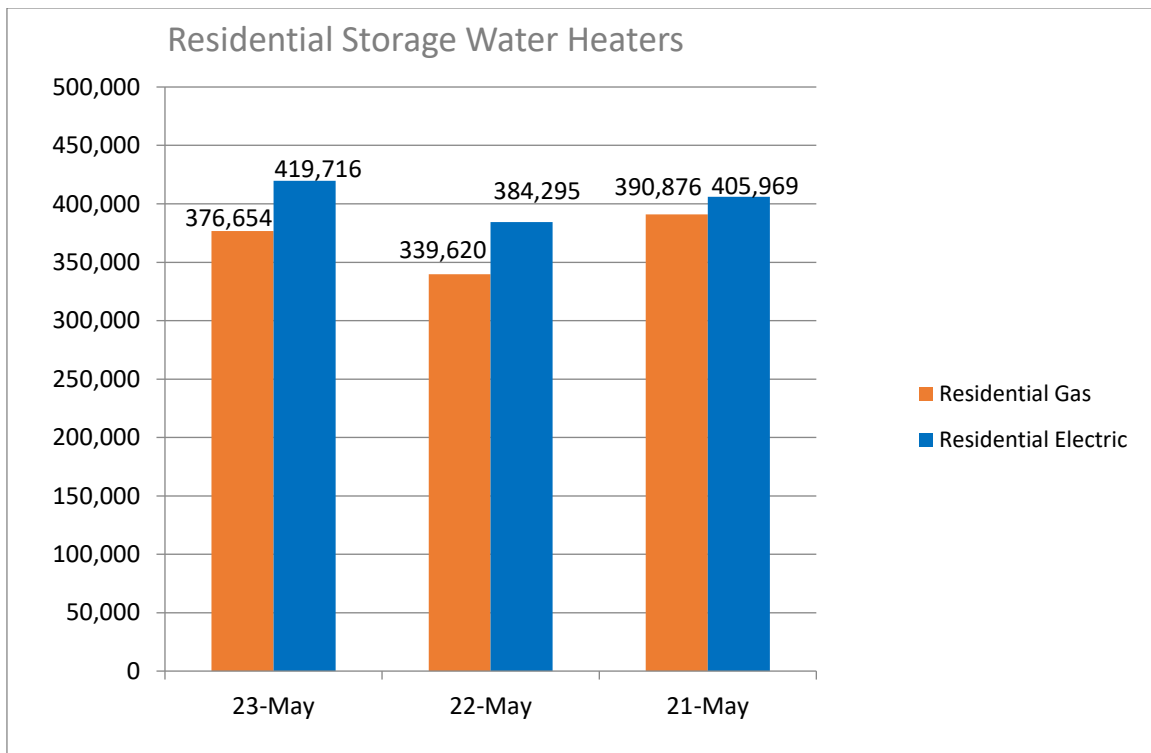
Public data is available in Excel format [here](#).

Please see our FAQs [here](#).

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

Residential Storage Water Heaters

U.S. shipments of residential gas storage water heaters for May 2023 increased 10.9 percent, to 376,654 units, up from 339,620 units shipped in May 2022. Residential electric storage water heater shipments increased 9.2 percent in May 2023 to 419,716 units, up from 384,295 units shipped in May 2022.

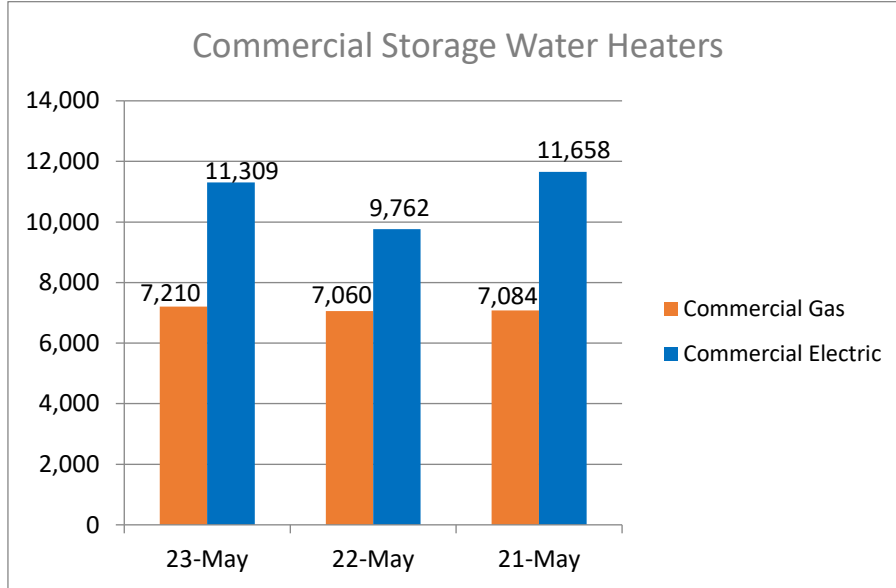


Year-to-date U.S. shipments of residential gas storage water heaters decreased 1.6 percent, to 1,878,971 compared to 1,909,076 shipped during that same period in 2022. Residential electric storage water heater shipments decreased 0.4 percent year-to-date, to 2,084,248 units, compared to 2,093,059 shipped during the same period in 2022.

Year-to-Date	May 23 YTD	May 22 YTD	%CHG. (From 2022-2023)	May 21 YTD
Residential Storage Gas	1,878,971	1,909,076	-1.6	2,021,957
Residential Storage Electric	2,084,248	2,093,059	-0.4	2,005,425

Commercial Storage Water Heaters

Commercial gas storage water heater shipments increased 2.1 percent in May 2023, to 7,210 units, up from 7,060 units shipped in May 2022. Commercial electric storage water heater shipments increased 15.8 percent in May 2023, to 11,309 units, up from 9,762 units shipped in May 2022.

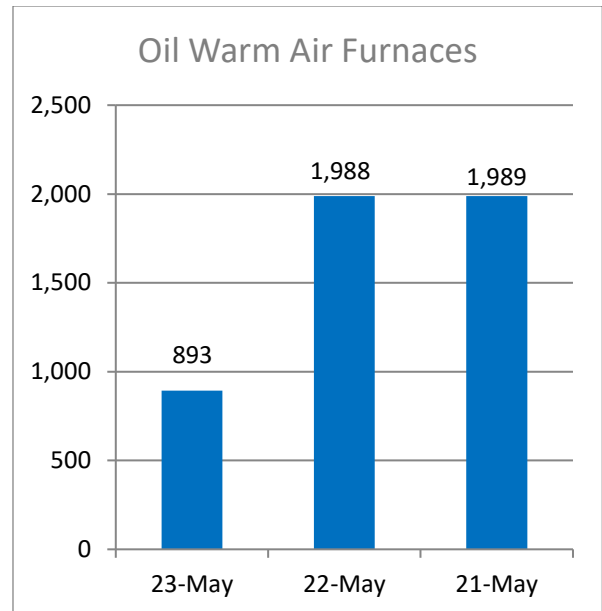
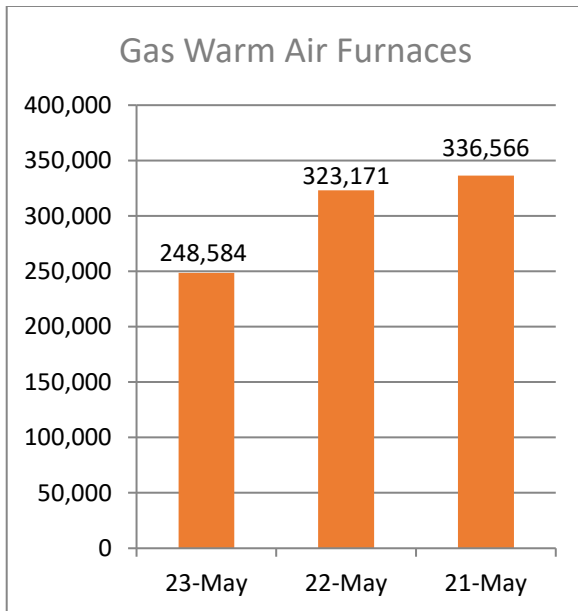


Year-to-date U.S. shipments of commercial gas storage water heaters increased 8.5 percent, to 38,328 units, compared with 35,322 units shipped during the same period in 2022. Year-to-date commercial electric storage water heater shipments increased 35.0 percent, to 61,464 units, up from 45,525 units shipped during the same period in 2022.

<i>Year-to-Date</i>	May 23 YTD	May 22 YTD	%CHG. (From 2022-2023)	May 21 YTD
Commercial Storage Gas	38,328	35,322	+8.5	38,249
Commercial Storage Electric	61,464	45,525	+35.0	61,017

Warm Air Furnaces

U.S. shipments of gas warm air furnaces for May 2023 decreased 23.1 percent, to 248,584 units, down from 323,171 units shipped in May 2022. Oil warm air furnace shipments decreased 55.1 percent, to 893 units in May 2023, down from 1,988 units shipped in May 2022.

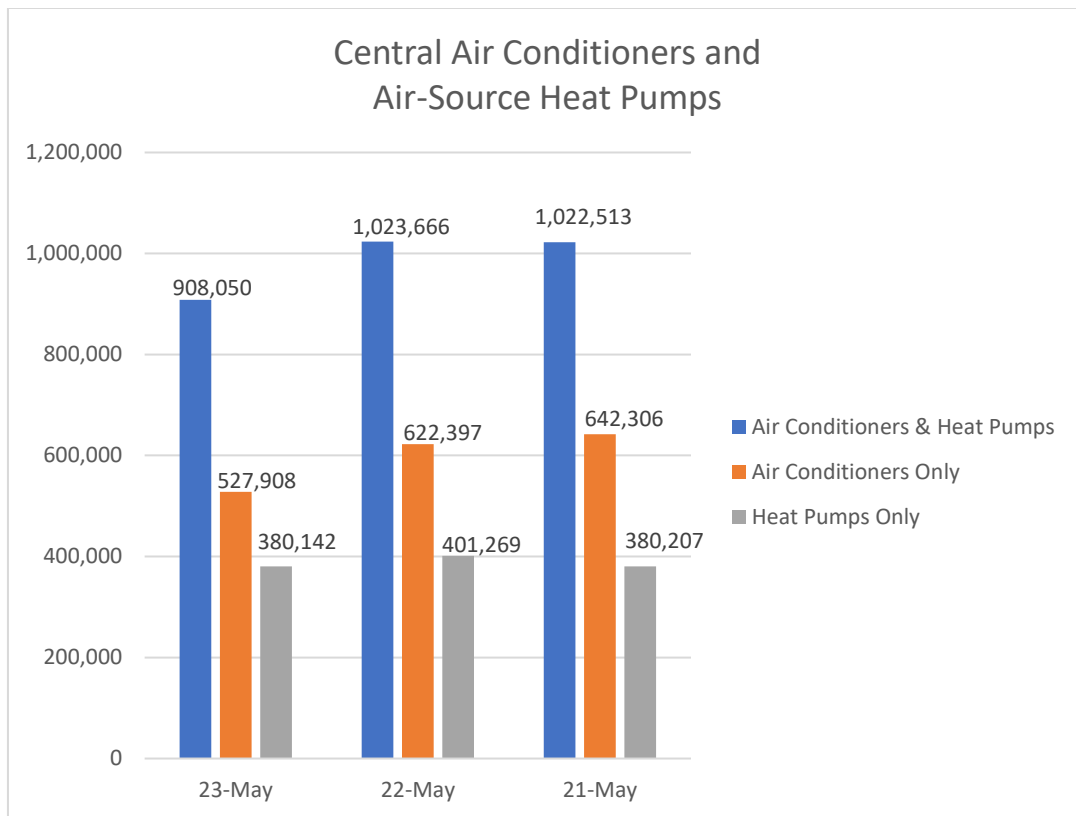


Year-to-date U.S. shipments of gas warm air furnaces decreased 22.0 percent, to 1,254,908 units, compared with 1,608,687 units shipped during the same period in 2022. Year-to-date U.S. shipments of oil warm air furnaces decreased 41.0 percent, to 6,859 units, compared with 11,629 units shipped during the same period in 2022.

<i>Year-to-Date</i>	May 23 YTD	May 22 YTD	%CHG. (From 2022-2023)	May 21 YTD
Gas Warm Air Furnaces	1,254,908	1,608,687	-22.0	1,711,753
Oil Warm Air Furnaces	6,859	11,629	-41.0	13,403

Central Air Conditioners and Air-Source Heat Pumps

U.S. shipments of central air conditioners and air-source heat pumps totaled 908,050 units in May 2023, down 11.3 percent from 1,023,666 units shipped in May 2022. U.S. shipments of air conditioners decreased 15.2 percent, to 527,908 units, down from 622,397 units shipped in May 2022. U.S. shipments of air-source heat pumps decreased 5.3 percent, to 380,142 units, down from 401,269 units shipped in May 2022.



Year-to-date combined shipments of central air conditioners and air-source heat pumps decreased 14.6 percent, to 3,757,023 units, down from 4,398,201 units shipped during the same period in 2022. Year-to-date shipments of central air conditioners decreased 20.4 percent, to 2,113,691 units, down from 2,654,667 units shipped during the same period in 2022. The year-to-date total for heat pump shipments decreased 5.7 percent, to 1,643,332, down from 1,743,534 units shipped during the same period in 2022.

<i>Year-to-Date</i>				
	May 23 YTD	May 22 YTD	%CHG. (From 2022-2023)	May 21 YTD
Air Conditioners & Heat Pumps Combined Total	3,757,023	4,398,201	-14.6	4,255,043
Air Conditioners Only	2,113,691	2,654,667	-20.4	2,593,551
Heat Pumps Only	1,643,332	1,743,534	-5.7	1,661,492

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	30,696	-17.0	48,644
16.5-21.9	116,216	+30.6	90,157
22-26.9	184,201	-13.0	204,421
27-32.9	135,067	-16.3	170,922
33-38.9	187,596	-18.4	219,874
39-43.9	59,264	-24.2	77,568
44-53.9	94,032	-17.2	106,968
54-64.9	73,260	-8.4	78,180
65-96.9	10,605	+24.6	9,223
97-134.9	8,110	+32.4	7,452
135-184.9	4,701	+32.1	4,309
185-249.9	1,679	-10.8	1,954
250-319.9	1,365	-12.4	1,669
320-379.9	308	+4.4	285
380-539.9	325	+13.6	340
540-639.9	265	-8.3	238
640-799.9	113	+15.3	109
800.0-899.9	64	+30.6	40
900.0-999.9	77	+42.6	47
1,000.0-1,199.9	28	-9.7	26
1,200.0 & Over	78	+14.7	87
TOTAL	908,050	-11.3	1,022,513

YTD			
Size Description (000) BTUH	2023 Total	% Change from 2022	2021 Total
Under 16.5	138,926	-19.9	200,086
16.5-21.9	478,007	+14.3	400,358
22-26.9	745,464	-15.0	848,308
27-32.9	580,204	-16.6	672,025
33-38.9	744,125	-21.3	905,538
39-43.9	244,385	-26.3	322,591
44-53.9	395,191	-18.3	460,966
54-64.9	322,032	-11.6	336,628
65-96.9	42,407	+10.2	39,781
97-134.9	29,947	+0.5	29,866
135-184.9	19,056	+2.6	17,841
185-249.9	6,848	-19.4	8,046
250-319.9	5,221	-27.9	7,449
320-379.9	1,175	-10.8	1,470
380-539.9	1,373	-1.2	1,456
540-639.9	1,127	-9.1	1,008
640 & Over	455	-10.4	533
800.0-899.9	246	-3.9	205
900.0-999.9	285	-9.2	317
1,000.0-1,199.9	160	-10.1	140
1,200.0 & Over	389	-14.3	431
TOTAL	3,757,023	-14.6	4,255,043

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.