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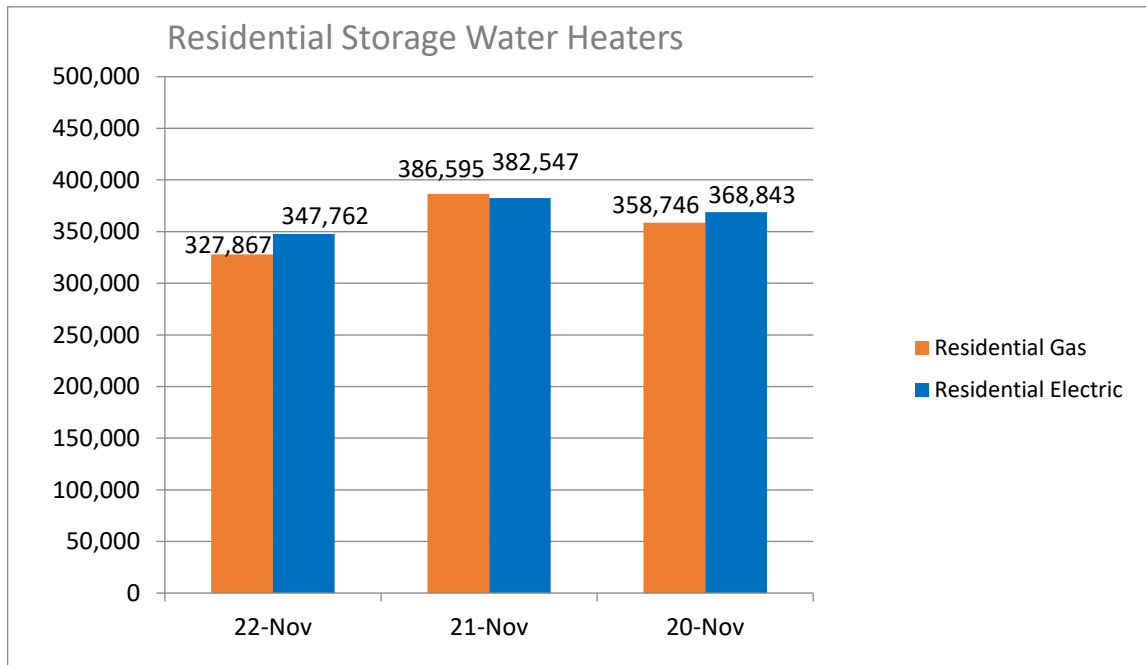
January 13, 2023
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*Public data is available in Excel format [here](#).
 Please see our FAQs [here](#).*

AHRI Releases November 2022 U.S. Heating and Cooling Equipment Shipment Data

Residential Storage Water Heaters

U.S. shipments of residential gas storage water heaters for November 2022 decreased 15.2 percent, to 327,867 units, down from 386,595 units shipped in November 2021. Residential electric storage water heater shipments decreased 9.1 percent in November 2022 to 347,762 units, down from 382,547 units shipped in November 2021.

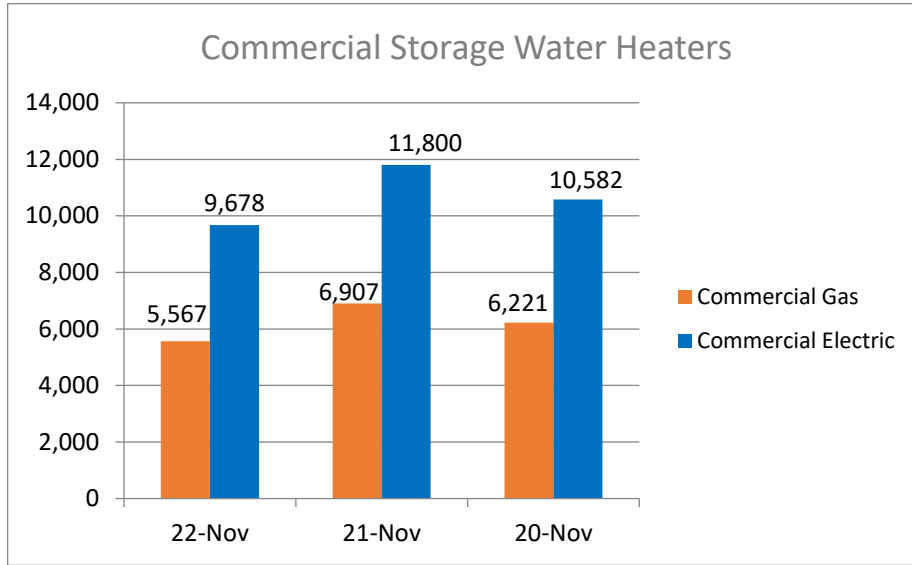


Year-to-date U.S. shipments of residential gas storage water heaters decreased 16.8 percent, to 3,760,811 compared to 4,517,577 shipped during that same period in 2021. Residential electric storage water heater shipments decreased 6.7 percent year-to-date, to 4,162,758 units, compared to 4,460,115 shipped during the same period in 2021.

<i>Year-to-Date</i>	Nov 22 YTD	Nov 21 YTD	%CHG. (From 2021-2022)	Nov 20 YTD
Residential Storage Gas	3,760,811	4,517,577	-16.8	4,162,667
Residential Storage Electric	4,162,758	4,460,115	-6.7	4,212,512

Commercial Storage Water Heaters

Commercial gas storage water heater shipments decreased 19.4 percent in November 2022, to 5,567 units, down from 6,907 units shipped in November 2021. Commercial electric storage water heater shipments decreased 18.0 percent in November 2022, to 9,678 units, down from 11,800 units shipped in November 2021.

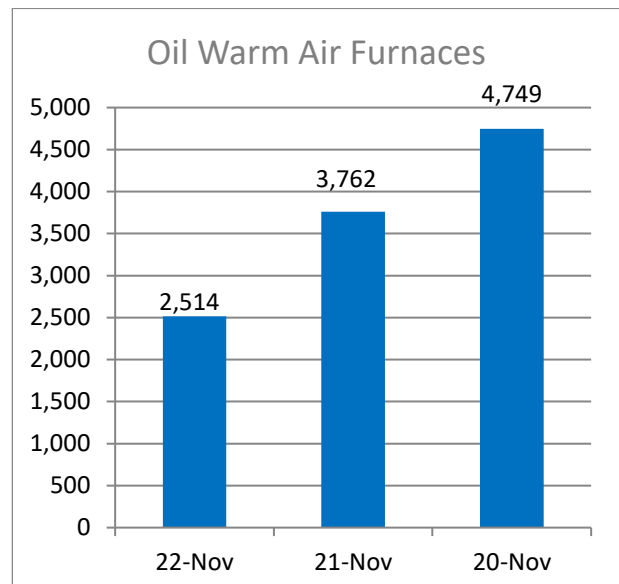
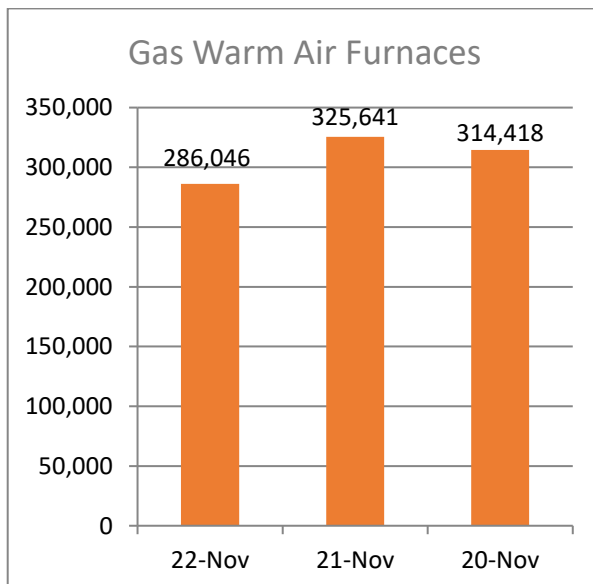


Year-to-date U.S. shipments of commercial gas storage water heaters decreased 7.6 percent, to 76,480 units, compared with 82,758 units shipped during the same period in 2021. Year-to-date commercial electric storage water heater shipments decreased 22.1 percent, to 109,012 units, down from 140,025 units shipped during the same period in 2021.

<i>Year-to-Date</i>	Nov 22 YTD	Nov 21 YTD	%CHG. (From 2021-2022)	Nov 20 YTD
Commercial Storage Gas	76,480	82,758	-7.6	72,117
Commercial Storage Electric	109,012	140,025	-22.1	127,765

Warm Air Furnaces

U.S. shipments of gas warm air furnaces for November 2022 decreased 12.2 percent, to 286,046 units, down from 325,641 units shipped in November 2021. Oil warm air furnace shipments decreased 33.2 percent, to 2,514 units in November 2022, down from 3,762 units shipped in November 2021.

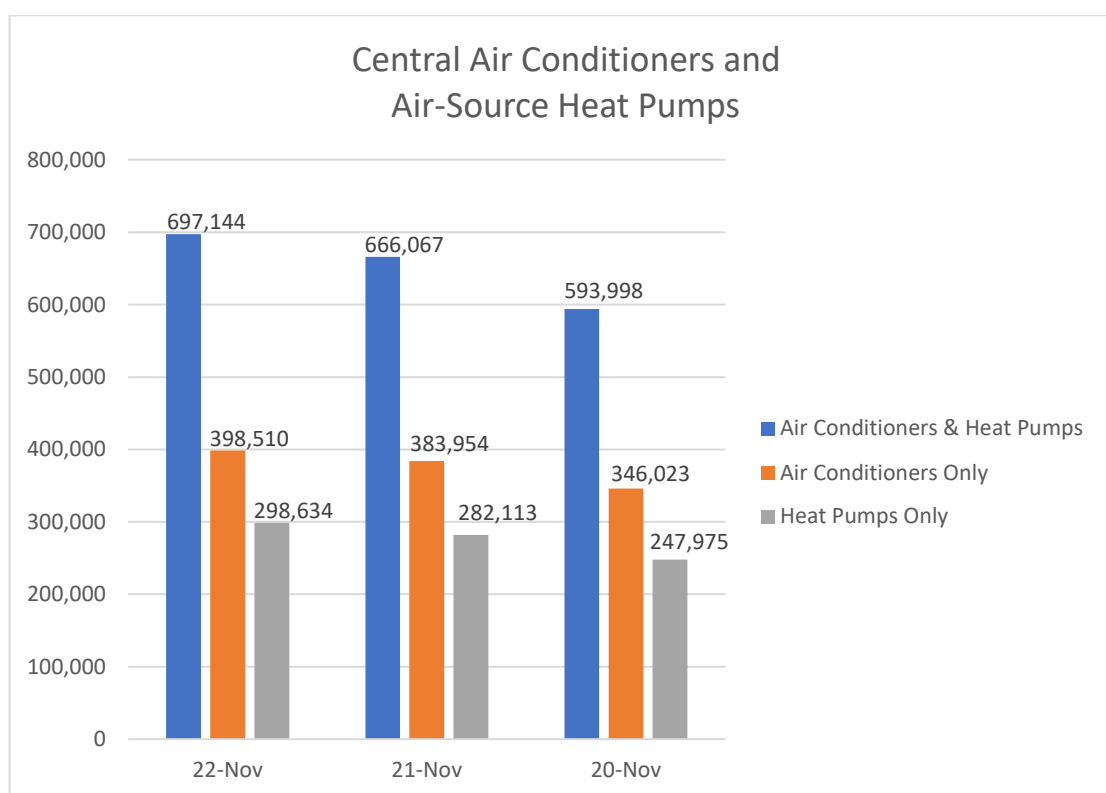


Year-to-date U.S. shipments of gas warm air furnaces decreased 1.7 percent, to 3,623,646 units, compared with 3,685,889 units shipped during the same period in 2021. Year-to-date U.S. shipments of oil warm air furnaces decreased 25.8 percent, to 26,182 units, compared with 35,303 units shipped during the same period in 2021.

<i>Year-to-Date</i>				
	Nov 22 YTD	Nov 21 YTD	%CHG. (From 2021-2022)	Nov 20 YTD
Gas Warm Air Furnaces	3,623,646	3,685,889	-1.7	2,998,085
Oil Warm Air Furnaces	26,182	35,303	-25.8	31,832

Central Air Conditioners and Air-Source Heat Pumps

U.S. shipments of central air conditioners and air-source heat pumps totaled 697,144 units in November 2022, up 4.7 percent from 666,067 units shipped in November 2021. U.S. shipments of air conditioners increased 3.8 percent, to 398,510 units, up from 383,954 units shipped in November 2021. U.S. shipments of air-source heat pumps increased 5.9 percent, to 298,634 units, up from 282,113 units shipped in November 2021.



Year-to-date combined shipments of central air conditioners and air-source heat pumps increased 2.1 percent, to 9,771,853 units, up from 9,569,242 units shipped during the same period in 2021. Year-to-date shipments of central air conditioners decreased 3.3 percent, to 5,734,381 units, down from 5,930,089 units shipped during the same period in 2021. The year-to-date total for heat pump shipments increased 10.9 percent, to 4,037,472, up from 3,639,153 units shipped during the same period in 2021.

<i>Year-to-Date</i>				
	Nov 22 YTD	Nov 21 YTD	%CHG. (From 2021-2022)	Nov 20 YTD
Air Conditioners & Heat Pumps Combined Total	9,771,853	9,569,242	+2.1	8,764,619
Air Conditioners Only	5,734,381	5,930,089	-3.3	5,588,393
Heat Pumps Only	4,037,472	3,639,153	+10.9	3,176,226

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

Month			
Size Description (000) BTUH	2022 Total	% Change from 2021	2020 Total
Under 16.5	28,486	-21.8	25,574
16.5-21.9	85,794	+30.0	59,132
22-26.9	150,310	+26.6	110,677
27-32.9	98,517	+5.2	82,919
33-38.9	125,829	-4.5	121,443
39-43.9	44,551	-19.5	45,081
44-53.9	75,299	-2.3	71,970
54-64.9	64,817	-0.9	57,988
65-96.9	7,740	+3.2	6,642
97-134.9	6,011	-2.0	5,179
135-184.9	4,990	+28.6	3,239
185-249.9	2,207	+42.3	1,522
250-319.9	1,436	+6.5	1,443
320-379.9	274	-15.4	290
380-539.9	369	+1.1	332
540-639.9	202	-15.5	216
640-799.9	113	+25.6	112
800.0-899.9	33	-17.5	38
900.0-999.9	56	-16.4	67
1,000.0-1,199.9	27	+12.5	40
1,200.0 & Over	83	+7.8	94
TOTAL	697,144	+4.7	593,998

YTD			
Size Description (000) BTUH	2022 Total	% Change from 2021	2020 Total
Under 16.5	407,648	-7.3	332,789
16.5-21.9	1,002,924	+16.9	799,897
22-26.9	1,959,553	+3.4	1,722,166
27-32.9	1,488,666	-1.2	1,401,395
33-38.9	2,047,511	-0.1	1,875,802
39-43.9	715,022	-1.0	673,204
44-53.9	1,061,601	+2.4	980,428
54-64.9	830,185	+4.1	736,588
65-96.9	91,292	-1.9	85,573
97-134.9	72,262	-1.3	63,924
135-184.9	45,350	-1.9	42,945
185-249.9	20,913	+5.9	19,289
250-319.9	15,895	-5.9	15,934
320-379.9	3,114	-14.7	3,627
380-539.9	3,434	-3.9	3,805
540-639.9	2,770	+15.3	2,889
640 & Over	1,117	-8.3	1,286
800.0-899.9	564	+14.4	734
900.0-999.9	730	+10.3	811
1,000.0-1,199.9	380	-0.5	559
1,200.0 & Over	922	-4.3	974
TOTAL	9,771,853	+2.1	8,764,619

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.
- Can I purchase additional industry data from AHRI?
No, AHRI statistical data is not for sale.
- 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.

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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.