AHRI shipments - 15171

Root URL:

https://www.ahrinet.org/analytics/statistics/monthly-shipments

Description:

Step 1: Go to the following websites

https://www.ahrinet.org/analytics/statistics/monthly-shipments

Step 2: Go to the most recent date and open the PDF file

Monthly Shipments

AHRI issues a monthly report of combined U.S. manufactured shipments of central air conditioning, air-source heat pumps systems, gas and oil furnaces, and gas and electric tank water heaters.

The organization strives to issue the report the second Friday of every month for shipments made during the two months prior to the release date. For example, January shipment data is released on the second Friday of March.

Subscribe to receive AHRI's monthly statistical report via email.

2022	2023	2024
• December	• January	• January
• November	• February	
• October	• March	
• September	• April	
• August	• May	
• July	• June	
• June	• July	
• May	• August	
• April	• September	
• March	• October	
• February	• November	
• January	• December	

Step 3: Download the Excel file in the PDF

**AIR-CONDITIONING, HEATING,
& REFRIGERATION INSTITUTE**

we make life better®

March 8, 2024
Contact: Regan Spencer
Phone: 703.600.0380

Public data is available in Excel format here.
Please see our FAQs here.

Step 4: Scrape Product_Type and Month_To_Date_Units columns from the file

Product_Type	Month_to_Date_Units
Gas Warm Air Furnaces	216086
Oil Warm Air Furnaces	2630
Residential Gas Automatic Storage Water Heaters	347024
Residential Electric Automatic Storage Water Heaters	417063
Commercial Gas Storage Water Heaters	7251
Commercial Electric Storage Water Heaters	11697
Unitary_Air_Conditioning	248035
Unitary_Heat_Pump	231339
Unitary_AC_HP_sub16.5	22970
Unitary_AC_HP_16.5-21.9	60667
Unitary_AC_HP_22.0-26.9	97945
Unitary_AC_HP_27.0-32.9	72123
Unitary_AC_HP_33.0-38.9	88157
Unitary_AC_HP_39.0-43.9	30550
Unitary_AC_HP_44.0-53.9	44850
Unitary_AC_HP_54.0-64.9	40215
Unitary_AC_HP_65.0-96.9	7476
Unitary_AC_HP_97.0-134.9	6132
Unitary_AC_HP_135.0-184.9	4018
Unitary_AC_HP_185.0-249.9	1656
Unitary_AC_HP_250.0-319.9	1385
Unitary_AC_HP_320.0-379.9	318
Unitary_AC_HP_380.0-539.9	312
Unitary_AC_HP_540.0-639.9	241
Unitary_AC_HP_640.0-799.9	116
Unitary_AC_HP_800.0-899.9	68
Unitary_AC_HP_900.0-999.9	54
Unitary_AC_HP_1000.0-1199.9	47
Unitary_AC_HP_over1200	74

One-Off Historical Data Load: Please scrape all Excel files whenever available from all months on the website. For recently months, Excel files are in the PDF. For earlier months, there's a link on the page

2022

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AHRI

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AHRI Releases December 2 Heating, Cooling Equipmen Shipment Data

Date Published: February 10, 2023

Contact: Adanna Le Gendre   Director, Marketing and Communications   📱 703-600-0363   ✉ alegen

The December 2022 Statistical Release is available here.

Public data is available in Excel format here.

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Output Columns:

Column name	Data type	Example value	Comments

scrape_datetime	Datetime		Ensure this is a datetime in ISO-8601 format, and have one value per run, evaluated at start of the script, rather than at the time of each request
Month_to_Date_Units	Integer	216086	
Product_Type	String	Gas Warm Air Furnaces	
month	Datetime	2024/01/31	Month of the data; convert to last day of the month

Timeline:

You may complete this job any time and submit any required files to the linked Github repository within one week of accepting the job.

Submission Files:

- Sample.csv for sample data
- A requirement.txt
- scrape/ - containing all of the source code
- Main file: scrape.py that will be run with an output `$filename`
- OTHER_FILES – e.g. If you require a full historical scrape/anything one off: historical.csv

Job Schema/Output Format:

You should save the output CSV using these settings from a pandas DataFrame:

```
encoding="utf-8"
line_terminator="\n"
quotechar='"'
quoting=csv.QUOTE_ALL
index=False
```

Package Preferences and Scraping Notes:

- It is generally unnecessary to run a full browser, so Selenium is a last resort (only purposeful obfuscation from website owner) and provide explanation
- BeautifulSoup
- Avoid hard codes, references should be relative
- Parse JSON from an API rather than HTML

Runtime Environment:

Your code will be copied from the root to `/usr/src/scrape`

You should feel free to modify the requirements as you need. However, you must keep the `awscli` dependency

You may also upload additional binaries into the repository root and reference them there.

Please do not change the Dockerfile or shell scripts in the repository as this will cause automated test failure.

Execution Command:

```
python scrape.py $filename
```

Page Access Limitations (Max Requests / Day):

If you encounter a captcha during your scrape job, please contact the job poster before continuing.

10% of website traffic max