

Product Definitions: U.S. Heating and Cooling Equipment Shipment Data

Residential Storage Water Heaters

These definitions cover Counter Type Residential Automatic Storage Water heaters, which include flush, recessed, and concealed types.

Residential Gas Storage Water Heaters:

- utilize either natural gas or liquid petroleum as the energy source;
- heat and store water at a thermostatically controlled temperature for delivery on demand; and
- are marketed by the manufacturer for residential use.

Residential Electric Storage Water Heaters

- **Resistance Water Heaters:**

- utilize electricity as an energy source;
- heat and store water at a thermostatically controlled temperature for delivery on demand; and
- are marketed by the manufacturer for residential use.

- **Heat Pump Water Heaters:**

- utilize electricity as an energy source;
- are designed to transfer thermal energy from one temperature level to a higher temperature level for the purpose of heating and storing water at a thermostatically controlled temperature for delivery on demand; and
- are marketed by the manufacturer for residential use.

Commercial Storage Water Heaters

Commercial Gas Storage Water Heaters:

- are thermostatically controlled;
- utilize gas as the energy source; and
- are marketed by the manufacturer for use in places of business, apartment houses, commercial buildings, or other large volume commercial and industrial water heater services.

Commercial Electric Storage Water Heaters:

- are thermostatically controlled;
- utilize electricity as an energy source; and
- are marketed by the manufacturer for use in places of business, apartment houses, commercial buildings, or other large volume commercial and industrial water heater services.

All residentially marketed products are excluded regardless of BTU input.

Furnaces

Gas Warm Air Furnaces:

- are self-contained gas-burning appliances for heating air by transfer of heat of combustion through metal to the air; and
- designed to supply heated air through ducts to spaces remote from or adjacent to the appliance location.

Oil Warm Air Furnaces:

- are self-contained oil-burning appliances for heating air by transfer of heat of combustion through metal to the air; and
- designed to supply heated air through ducts to spaces remote from or adjacent to the appliance location.

Central Air Conditioners and Air-Source Heat Pumps

These product categories include both ducted and non-ducted types. Window and wall type room air conditioners are not included.

- **Central Air Conditioners**
 - **Package, Air and Water-Cooled** Air Conditioners: Gas or oil single package air conditioners with factory-made assemblies of one or more evaporator fans, evaporator coils, and condensing sections having means for air cooling, cleaning, dehumidification, heating with factory or field installed electric strip heaters, and forced air circulation through a duct system, which may also humidify and control temperature.
 - Includes only units that are assembled or designed to be assembled in a single unit (within a single factory-made enclosure)
 - Includes single package (cooling only) roof top units, indoor package — air and water-cooled units, and Package Year-Round Air Conditioners (with gas/oil heat)
 - **Split System Central** Air Conditioners: Air conditioning condensing units.
 - Includes only those units intended for air conditioning purposes and will be installed remotely from the evaporator and require field connection of refrigerant lines
 - Includes ducted and ductless products
- **Air-Source Heat Pumps**
 - **Package, Air-Cooled** Heat Pumps: Single package heat pumps with the provision for electric, hot water, steam or gas heat (dual fuel), factory made assemblies of one or more evaporator fans, evaporator coils, and condensing units which may allow for air cooling, heating, cleaning, dehumidification, and forced air circulation through a duct system and also humidify and control temperature, with provisions for modifying the performance so that either heating or cooling and dehumidification may be produced.
 - Includes only units assembled or designed to be assembled in a single unit within a single factory-made enclosure
 - Includes both indoor and outdoor units
 - Include single package (air cooled heat pumps) roof top units
 - **Split, Air-Cooled** Heat Pumps: Split system heat pump units intended for heat pump purposes to be installed remotely from the indoor coil, air handler, or fan coil and require the field connection of refrigerant lines.
 - Includes ducted and ductless products.

Central Air Conditioners and Air Source Heat Pumps include Variable Speed Systems with three or more steps of compression:

- **Variable Speed Mini-Split Air Conditioners and Heat Pumps:** Have a single outdoor section and one indoor section. The indoor section cycles on and off in unison, in response to a single indoor thermostat.
- **Variable Speed Multiple-Split Air Conditioners and Heat Pumps:** Have two or more indoor sections. The indoor sections operate independently and can be used to condition multiple zones in response to multiple indoor thermostats.
- **Variable Speed Multi-Head Mini Split Air Conditioners and Heat Pumps:** Have a single outdoor section and two or more indoor sections. The indoor sections cycle on and off in unison, in response to a single indoor thermostat.