

WC Engineering LLC

# HVAC MANUFACTURERS

COMMERCIAL & RESIDENTIAL EQUIPMENT

# COMMERCIAL

## EQUIPMENT MANUFACTURERS

- **AAON** – Custom AHUs, RTUs, MAUs, ERVs/HRVs
- **Carrier** – Chillers (AquaForce), AHUs, RTUs, DOAS, VRF, controls (i-Vu)
- **ClimateMaster** – Geothermal & water-source heat pumps (HPs)
- **Daikin Applied (McQuay)** – VRV/VRF, chillers, AHUs, packaged units
- **Johnson Controls (York)** – Chillers, AHUs, RTUs, VRF, Metasys building controls
- **Lennox Commercial** – Packaged RTUs, split systems, light-commercial HVAC
- **LG Electronics** – commercial (Multi V: HP & HR) VRF, ductless systems
- **Mitsubishi Electric Trane HVAC (METUS)** – VRF (CITY MULTI: HP & HR), ductless, multi-split systems
- **Rheem / Ruud Commercial** – RTUs, split systems, light-commercial HPs
- **Trane** – Chillers, custom AHUs, IntelliPak RTUs, VRF, DOAS units, Tracer controls

Note: All RTUs are packaged units, but not all packaged units are RTUs



# RESIDENTIAL

## EQUIPMENT MANUFACTURERS

### Tier 1 – Largest & Most Influential Residential Brands

- Carrier (Carrier Global)
- Trane (Trane Technologies)
- Lennox (Lennox International)
- Daikin (Daikin Industries) – world's largest HVAC manufacturer globally
- Goodman (Daikin Group) – #1 U.S. residential installed volume; includes Amana
- Rheem (Paloma Group) – includes Ruud
- York (Johnson Controls) – includes Luxaire, Coleman, Fraser-Johnston

### Tier 2 – Strong Residential Brands (Still Big, but Sub-Brands / Joint Ventures)

- Carrier / ICP (International Comfort Products) - includes Bryant, Heil, Comfortmaker, Tempstar, Payne
- Trane Technologies - includes American Standard
- Lennox International – includes Armstrong Air, AirEase
- Mitsubishi Electric (METUS – Mitsubishi Electric Trane joint venture - major in ductless, VRF, and high-efficiency residential heat pumps



# RESIDENTIAL SECONDARY LINES

## EQUIPMENT MANUFACTURERS

- **Carrier Group / ICP (International Comfort Products)**
  - Bryant, Comfortmaker, Day & Night, EcoTemp, Heil, Keeprite, Payne, Tempstar, Totaline
- **Lennox Group / Allied Air**
  - Armstrong Air, Concord, Ducane, AirEase
- **Rheem Group**
  - Ruud, WeatherKing
- **Johnson Controls / York Group**
  - Coleman, Guardian, Luxaire, Fraser-Johnston
- **Daikin Group**
  - Goodman, Amana, Daikin, ClimateMaster (residential geothermal)
- **Nortek Global HVAC (formerly Nordyne)**
  - Frigidaire, Gibson, Maytag, Tappan, Westinghouse
- **Independent / Specialty Residential Brands**
  - Airflo, Friedrich, GrandAire, Gree, Haier, Panasonic, Samsung, Sanyo (Panasonic), Toshiba-Carrier (joint venture)



# DUCTLESS & VRF

EQUIPMENT MANUFACTURERS

## Top Tier (Largest global VRF producers)

- **Daikin** – World's largest HVAC manufacturer; VRV inventor
- **Mitsubishi Electric** – Global VRF leader; CITY MULTI systems
- **LG Electronics** – Multi V VRF (HP & HR), major ductless manufacturer
- **Fujitsu General** – Strong residential/light-commercial ductless presence

## Major International Ductless / VRF Brands

- **Panasonic** – Ductless; owns Sanyo HVAC division
- **Samsung** – Ductless + DVM S VRF systems
- **Toshiba-Carrier** – Pioneer in inverter tech; strong global VRF

## High-Volume Chinese OEMs & Global Exporters

- **Gree** – World's largest residential AC manufacturer (by units)
- **Haier** – Global residential/ductless AC producer

# SPECIALTY & COMPONENT

## EQUIPMENT MANUFACTURERS

- **Emerson** – Copeland compressors, refrigeration components, controls, and valves
- **Honeywell** – Building automation systems, sensors, thermostats, and control technologies
- **Greenheck** – Industry leader in air movement and ventilation: fans, ERVs/HRVs, DOAS, energy recovery
- **Desert Aire / Munters** – High-performance dehumidification, DOAS, and natatorium HVAC systems
- **Air Enterprises / TMI Climate Solutions** – Custom AHUs and modular mechanical penthouses
- **Bosch Thermotechnology** – Commercial HPs, hydronic heating, boilers, and water-heating systems
- **Dunham-Bush** – Chillers, AHUs, packaged systems, and water-cooled HVAC equipment
- **RenewAire / Zehnder / Broan** – ERV/HRV ventilation systems (commercial to high-performance residential)
- **Camfil** – High-efficiency air filtration solutions for commercial, industrial, and healthcare applications
- **CaptiveAire** – Commercial kitchen ventilation systems (hoods, grease exhaust), plus DOAS and MUA units for broader commercial applications