Top 15 Heat Pump Manufacturers and Suppliers in USA & Worldwide in 2024

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September 13, 2022



This article lists the top heat pump manufacturers and suppliers in the U.S. and worldwide so that you can comfortably find a supplier. The heat pump market has a wide range of brands to choose from. Each brand offers different features. It is important to think about the power requirements for your residence when making an acquisition. The amount of energy required for a property can be affected by the utilities used and its size. When you take into account these considerations, you will be able to determine the optimal size as well as the specifications to look for when choosing a heat pump.

Before we dive deeply into the article, let's quickly go over how a heat pump works:

List of Top 15 Heat Pump Manufacturers and Suppliers in USA & Worldwide

According to the factors that we will mention in this article, Here is the List of 15 Heat Pump Manufacturers and Suppliers in USA & Worldwide in 2024:

- 1. Xylem, Inc.
- 2. RHEEM
- 3. GOODMAN
- 4. Comitale National, Inc. (CNI)
- 5. Griffith & Petz, Inc.
- 6. W. H. Cooke & Co., Inc.
- 7. Tithe Corp.
- 8. Neptech, Inc)
- 9. Magnatex Pumps, Inc.
- 10. Aircon Engineering, Inc.
- 11. Heat Exchange & Transfer, Inc.
- 12. Advanced Pump Co., Inc.
- 13. Water Cooling Corp.
- 14. Carrier Corporation
- 15. York International Corporation

How We Picked up Top Heat Pump Manufacturers and Suppliers in USA & Worldwide in 2024

Heat pumps are becoming increasingly popular among households and are becoming a common household item. The global heat pump market is highly fragmented with many suppliers competing. There is a variety of internationally, regionally, and locally focused vendors in the market. Local and regional vendors often provide heat pumps with highly-customized features and energy-efficient performance at a lower price than international suppliers. In spite of the emergence of several local and regional companies, they have found it challenging to compete with international suppliers on quality, features and customer service.

When selecting a heat pump supplier, it is important to consider the power requirements for your residence. The amount of energy required for a property can be affected by the utilities used and its size. When you take into account these considerations, you will be able to determine the optimal size as well as the specifications to look for when choosing a heat pump. It is also important to think about the features offered by each brand. Each brand offers different features. You can find a list of top heat pump manufacturers and suppliers in the U.S. and worldwide in this article. We selected these Heat Pump Manufacturers and Suppliers based on analyzing more than 20 webpages and reviewers.

Basics of Heat Pump

There is no new technology behind <u>heat pumps</u>; they have been in use for decades across the globe. Air conditioning makes use of heat pump technology.

By circulating a substance known as a **<u>refrigerant</u>** through an evaporation and condensation cycle, heat pumps transfer heat. The refrigerant circulates through heat exchanger coils. In one coil, the refrigerant evaporates at low pressure and absorbs heat from its surroundings. Upon reaching the other coil, the refrigerant is compressed at high pressure and condenses. This is the point where it releases the heat that it has absorbed earlier.

The heat pump transfers heat energy from a heat source to a thermal reservoir. It acts as the opposite of unprompted heat transfer by absorbing heat from a cold area and releasing it into a warmer one. In its most basic design, a heat pump consists of four parts: a condenser, an expansion valve, an evaporator, and a compressor. These components circulate a medium to transfer heat called refrigerant.

"Heat pumps" are general terms for HVAC (heating, ventilating, and air conditioning) equipment used for either space heating or cooling. Users can choose whether to use heat pumps to heat or cool their homes. Heat pumps work by using the same basic refrigeration cycle as air conditioners or refrigerators but in the opposite direction. In general, heat pumps draw their energy from the cooler external air or the ground when heating.

A heat pump is significantly more energy efficient than an electrical resistance heater, but its installation costs are higher.

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Heat Pump Market

Many suppliers compete in the highly fragmented global heat pump market. There is a variety of internationally, regionally, and locally focused vendors in the market. Local and regional vendors often provide heat pumps with highly-customized features and energy-efficient performance at a lower price than international suppliers. In spite of the emergence of several local and regional companies, they have found it challenging to compete with international suppliers on quality, features and customer service.

Heat pumps are gaining popularity among the masses and are becoming a common household item. Technology advancements are expected to take place in the heat pump market over the next few years. Additionally, the growing focus on changing the global energy mix will force big players to invest in research and development. Increasing product extensions and technological innovations are likely to intensify competition in this market in the future.

Top American Heat Pump Manufacturers and Suppliers

Below is a list of the largest American heat pump manufacturers and suppliers ranked according to size. Additionally, each company's location and annual sales are included, along with a summary of its activities.

Company	Headquarters	Year founded	Number of employees	Annual sales
<u>Xylem, Inc.</u>	Rye Brook, NY	1976	500-999	\$1500 Million
RHEEM	Atlanta, GA	1925	7000	\$500 Million
GOODMAN	Houston, TX	1975	1000	\$500 Million
<u>Comitale National, Inc.</u> (<u>CNI)</u>	Bensalem, PA	1992	25-100	\$2.9 Million
Griffith & Petz, Inc.	Johnstown, PA	1980	50	\$6.43 Million
W. H. Cooke & Co., Inc.	Hanover, PA	1963	11-50	\$4.87 Million
<u>Tithe Corp.</u>	Baltimore, MD	1990	11-50	\$4.26 Million
<u>Neptech, Inc)</u>	Highland, MI	1994	10-49	\$4 Million
Magnatex Pumps, Inc.	Houston, TX	1985	<25	\$4.41 Million
Aircon Engineering, Inc.	Cumberland, MD	1981	20	\$9.85 Million

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Xylem, Inc.

Xylem Pumps is a company that has home offices on two continents, 32 rental branches in the United States and over 400 distributor locations worldwide. They have a fleet of 6,000 portable pumps and 3,200 pieces of related equipment that can be used in construction dewatering, mining, drinking water supply and water/wastewater bypasses. They manufacture, rent and sell all their products including the Xylem Dri-Prime pump which is fully automatic and self-priming. They also offer accessories for immediate rental or sale.

RHEEM

As a member of AHRI (Air-Conditioning, Heating, and Refrigeration Institute), Rheem Manufacturing is a leading manufacturer of high-quality, environmentally responsible, and innovative water heaters, air conditioners, furnaces, pool heaters, and HVAC systems for residential and commercial applications. Rheem's heat pumps can be used in residential and commercial settings and offer energy efficiency and many other features. The company's heat pumps are quiet, efficient, reliable heating and cooling systems.

GOODMAN

Goodman has been helping homeowners achieve reliable, high-quality, and affordable indoor comfort since 1982. Its products are made in the United States. Thousands of independent heating and cooling professionals have therefore come to trust and respect the Goodman brand. As a mid-range brand, Goodman heat pumps are reliable, besides other top-name brands.

Comitale National, Inc. (CNI)

The company manufactures replacement packaged terminal air conditioner (PTAC) systems for commercial and industrial applications. In addition to heat pumps, they make chassis, feeders, air conditioners and filters.

H. Cooke & Co., Inc.

Cooke & Co., Inc. is a manufacturer's representative and distributor of heat pumps ranging from 8,900 BTU to 30,000 BTU. The company also offers other products, including probes, air handlers, furnaces, and coils.

Tithe Corp.

Tithe Corp. manufacturers air conditioning systems, environmental control equipment, and heat pumps.

Neptech, Inc.

Neptech, Inc. manufactures and distributes heat pumps for standard and custom systems. Among their other products are chillers, heaters, heated filters, filter housings, heater exchangers, pressure gauges, transducers, amplifiers, displays, indicators, calibration equipment, temperature controllers, hoses, sealants, connectors, pumps, circulators, probes, valves, actuators, and even racks, cabinets, and adhesives.

Magnatex Pumps, Inc.

Magnatex Pumps, Inc. produces high pressure, high viscosity handling magnetic and fluoropolymer lined centrifugal and regenerative turbine pumps for various applications, including heat transfer, chemical process, petrochemical, refinery, textile, pharmaceutical, food and beverage, and general industrial applications.

Aircon Engineering, Inc.

1947 marked the beginning of Aircon Engineering, Inc. Air conditioning, heat exchangers, and heat pumps are distributed by the company.

Heat Exchange & Transfer, Inc.

This company manufactures equipment that helps transfer heat. They make pumps, control valves, heat exchangers, electric and fired heaters, chillers, pressure vessels, piping, control and insulation systems and instrumentation. They serve many industries including aerospace, defense, automotive, chemicals, building materials, consumer goods, electronics, telecommunications, environmental services, food and beverages, furniture, metals and mining, paper and packaging, pharmaceuticals and healthcare products, plastics and rubber products, power and energy and textiles.

Advanced Pump Co., Inc.

The company distributes pumps and pumping equipment. It also offers testing, repair, and inspection services. In the industrial and HVAC markets, commercial and biomedical sectors, as well as the chemical sector, are all served by the company's products.

Water Cooling Corp.

The year 1950 saw the foundation of Water Cooling Corp. the Pump. Heat pumps are distributed by the company in a wide range of sizes and applications. It also offers all types of centrifugal pumps used in hundreds of industrial applications, such as booster service, chillers, condensate return, dewatering, filtration, cooling, loading & unloading, machine tools, process, plating, recirculation, scrubbers, spraying, transfer & water softeners.

Carrier Corporation

Carrier Corporation is a world leader in high-technology heating, air-conditioning, and refrigeration solutions. Founded by Willis Carrier, the inventor of modern air conditioning, the company has a long history of innovation in climate control. Carrier is known for its wide range of products for both residential and commercial applications, including advanced heat pump systems, and is committed to sustainability and energy-efficient technologies.

York International Corporation

York International Corporation, now a part of Johnson Controls, is a prominent manufacturer of heating, ventilation, and air conditioning (HVAC) systems, including heat pumps. York has a long-standing reputation for quality and innovation in climate control technologies. They provide a wide range of products for residential, commercial, and industrial applications, focusing on energy efficiency, reliability, and comfort.

Top Global Heat Pump Manufacturers and Suppliers

In the following table the largest international heat pump manufacturers and suppliers are listed ranked by the number of staff they employ. A description of each company's activities and location, as well as its sales volume, are provided as well.

Company	Headquarters	Year founded	Number of employees	Annual sales
<u>Samsung</u>	Seoul, South Korea	1938	287000	\$200 Billion
Panasonic	Osaka, Japan	1918	243000	\$58 Billion
LG	Seoul, South Korea	1947	222000	\$67 Billion
Mitsubishi Electric	Tokyo, Japan	1921	138700	\$40.35 Billion
Johnson Controls	Cork, Ireland	1885	97000	\$24 Billion
Daikin	Osaka, Japan	1924	80000	\$22.3 Billion
Carrier Corporation	Palm Beach Gardens, Florida	1978	44545	\$1.17 Billion

Company	Headquarters	Year founded	Number of employees	Annual sales			
TRANE	Dublin, Ireland	1913	29000	\$13.74 Billion			
Danfoss Power Solutions Co.	1993	1993	27000	\$6.94 Billion			
Ingersoll-Rand	Swords, Ireland	1859	15900	\$4.9 Billion			
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Samsung

Heat pumps designed by Samsung belong to the EHS product line (Ecological and Economical Heating System). This product line has received numerous certifications over the years for promoting low carbon emissions and protecting the environment. The pumps are durable and can operate in very cold temperatures. Moreover, the EHS pumps are equipped with a remote control to enhance ease of operation.

Panasonic

'Aquarea' is the name under which Panasonic heat pumps are developed. Residents can use these heat pumps for indoor heating and water heating. The Panasonic air to water heat pump is extremely efficient and emits low carbon dioxide. The units are capable of both heating and cooling a property, and can operate at very low temperatures, particularly during the winter season.

LG

In addition to providing hot water for households, these air-to-water pumps can provide energy for heating a residence. The LG pump series is also known as Therma V Split. Connecting it to alternative energy sources such as solar panels can reduce energy consumption. Additionally, these pumps do not always operate at full capacity. In fact, they only use as much power as they need for normal operation. Even the coldest temperatures won't stop them from working.

Mitsubishi Electric

Japanese company Mitsubishi Electric manufactures and markets electronic and electrical products around the world, including heat pumps. These products serve a range of industries, including energy and electric systems, industrial automation, information and communication solutions, electronic devices, and home appliances.

Johnson Controls

Johnson Controls International is a multinational conglomerate based in Cork, Ireland, which designs, manufactures, and installs fire-fighting, HVAC-related, and security equipment for buildings. Johnson Controls is a manufacturer of refrigeration controls and produces heat pumps equipped with rotary screw compressors, water heating condensers, plate heat exchangers, and ASME vertical accumulators. These products are perfect for poultry, dairy, and brewing operations.

Daikin

This Japanese multinational company makes air conditioning systems, chemical products, and heat pumps worldwide. Daikin is based in Osaka. The company's operations are spread across Japan, China, Australia, the United States, India, Southeast Asia, Europe, the Middle East, Latin America, and Africa. Daikin designed and developed air conditioners with a variable refrigerant flow. Its products are used in residences, offices, restaurants, warehouses, hospitals, data centers, and marine applications.

Carrier Corporation

The carrier corporation produces HVAC systems. Several different refrigeration systems are available, including air-cooled condensers, air-cooled gas coolers, compressor racks, multi-rack compressors, heat pumps, and heat exchangers. Residential and light commercial properties, commercial buildings, and multi-level facilities, as well as food distribution and retail refrigeration, are all services provided by the company.

TRANE

Trane Technologies Inc. provides heating, ventilation, and air conditioning systems as well as building management systems and controls. It was a subsidiary of Ingersoll Rand Inc., the successor to American Standard Companies. It offers high-quality heat pumps that save your money. It was rated as the most efficient brand by Energy Star in 2019.

Danfoss Power Solutions

Danfoss Power Solutions Co. manufactures and distributes hydraulic, electrohydraulic, and electric products around the world. Field testing and prototyping are part of their services. The company's products include hydrostatic transmissions, open circuit products, orbital motors, steering components and heat pumps.

Among the applications of hydrostatic transmissions are low and medium-power vehicles such as aerial lifts, skid steer loaders, walk-behind rollers, industrial forklift trucks, and highpower trucks. A variety of valves are available, including proportional, directional control, hand-operated cartridge, and rotary valves. Hydrostatic controls have many applications in agriculture, construction, material handling, road building, and special vehicles in forestry and on-highway.

Ingersoll-Rand

Ingersoll-Rand manufactures tools and equipment. Among their products are air and electric tools, material handling equipment, fluid handling systems, vehicle service tools, and dispensing solutions. The various markets they serve include aerospace, pharmaceutical, special machine, vehicle service, government, automotive, warehousing, electronics, transportation, manufacturing, construction, textile, and agriculture.

Vaillant

The Vaillant Group manufactures HVAC and hot water products. It is one of the largest companies in its field in Europe. Under the Vaillant brand, two different types of pumps are available. They are Vaillant Ground Heat Pumps and Vaillant Air to Water Heat Pumps.

LENNOX International

Lennox International Inc. provides heating, ventilation, air conditioning, and refrigeration products. Heatcraft Refrigeration and Armstrong are other brands of Lennox. Lennox heat pumps are among the most accurate and efficient on the market. It offers heat pumps with innovative technological features, and the brand owns all its parts. This makes repairing it difficult.

NIBE Industrier AB

NIBE Industrier AB is an international company specializing in heating technology. The company manufactures heat pumps, boilers, water heaters, electrical elements and freestanding fireplaces used in households and businesses.

Dimplex

Through its manufacturing facilities in the UK and Germany, Dimplex produces the most comprehensive range of heat pumps on the UK market and is at the forefront of energy-efficient heat pump technology development. The efficiency of a Dimplex heat pump is astonishing. They get about 80% of the energy they need from the environment for the production of hot water and heating.

Calorex

Calorex, founded in 1977, is the industry leader in heat pumps and dehumidifiers for swimming pools and commercial applications. Calorex is a British company with its headquarters in Maldon, United Kingdom. Calorex has been manufacturing heat pumps for over 30 years, establishing a reputation for quality, and excellent customer support.

Kensa

The company's reliable and efficient solutions provide an alternative to polluting fossil fuels, from manufacturing to installation. Kensa Heat Pumps is the only ground source heat pump manufacturer in the UK.

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- <u>3 Types of Heat Pump + Working Principle (Clear Guide)</u>
- Heat Pump Efficiency: Equation & Formula
- The Complete Guide To Air Source Heat Pumps Disadvantages

- Installing an Air Source Heat Pump: Everything You Need to Know
- Best Mini Split Heat Pump for Cold Weather {Ultimate Guide}
- How to use a heat pump in winter: learn the basics, get the most out of it
- <u>A General Overview of Heat Pump Problems</u>
- At What Temperature is a Heat Pump Not Effective? Easy Answer
- What Is a Heat Pump Reversing Valve?