

DCE WT with R32 Refrigerant

The heat pump water heater efficiently extracts heat from the surrounding air, using electricity solely to power the compressor that transfers this heat. By using only a quarter of the energy required by traditional electric water heaters, it significantly reduces electricity costs while delivering the same amount of hot water.

Key Features and Benefits:

- **Energy Efficient:** Consumes only 25% of the energy of a traditional electric water heater, leading to substantial cost savings.
- **Consistent Performance:** Operates continuously, 24/7, regardless of weather conditions—unaffected by clouds, rain, or frost.
- **Reliable Hot Water Supply:** Unlike solar water heaters, which depend on sunlight, the heat pump water heater provides hot water year-round.
- **Versatile Applications:** Suitable for a wide range of settings, including homes, factories, schools, hotels, hospitals, beauty salons, laundromats, and shower centers.
- **Rated Hot Water Temperature:** Supplies hot water up to 131°F (55°C).
- **Max Hot Water Temperature:** Capable of reaching temperatures up to 140°F (60°C), making it ideal for high-demand environments.
- This advanced, environmentally friendly technology is the ultimate energy-saving product, perfect for those seeking a sustainable and reliable hot water solution.

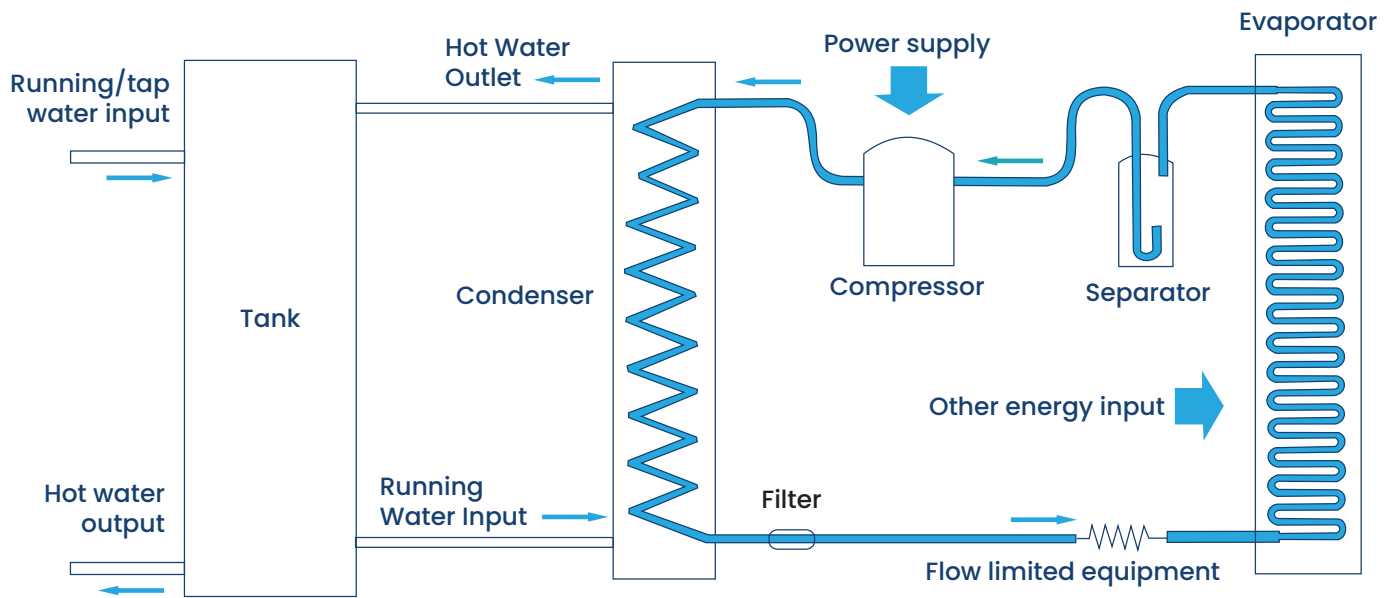


Model	DCE WT
Rated Heating Capacity	3300W (11.3MBH)
Rated hot water	70L/h (0.3GPM)
Rated power	880W
Rated current	4.1A
Max power	1300W
Max current	6.7A
Rated hot water temp	55°C (131oF)
Max hot water temp	60°C (140oF)
Power supply	208V/1 ph/60Hz
Electric shock protection grade	I
Waterproof grade	IPX4
Max pressure	2.6MPa (3771 psi)
Mix pressure	0.01MPa (1.45 psi)
Water piping connection	3/4"
Ambient working temperature	19.4oF - 109.4oF)
Running noise	49dB(A)
Tank capacity	200L,300L

Note: The technology parameter is tested as below:

- 68°F for dry outdoor temperature | 59°F for wet outdoor temperature | Inlet water 59°F / outlet water 131°F

The information in this document is just for reference. Since the continuous improvement and control in the production process, the information contained in this document maybe subject to change. Please refer to the nameplate on the machine for model specifications.



Operating Principle

The refrigerant, in its low-temperature, low-pressure gas form, moves from the evaporator to the compressor. The compressor increases both its pressure and temperature. The heated gas then flows into the condenser, where it condenses into a liquid, releasing significant heat to raise the water temperature. The liquid refrigerant then passes through an expansion valve, and with the aid of a fan, it absorbs heat from the surrounding air. After evaporation, the low-pressure gas returns to the compressor, and the cycle repeats continuously.

Product Overview

The heat pump water heater extracts heat from the surrounding air, using electricity only to power the compressor, which transfers this heat. This means it only uses a quarter of the energy required by a traditional electric water heater to produce the same amount of hot water, significantly reducing electricity costs for customers. Additionally, the heat pump water heater is not affected by weather conditions like cloudy days, rain, or frost, and it operates 24/7, unlike solar water heaters that can't always provide hot water year-round. This makes the heat pump water heater the most advanced and environmentally friendly energy-saving product currently available. It is ideal for homes, factories, schools, hotels, hospitals, beauty salons, laundromats, and shower centers for hot water supply.

The information in this document is just for reference. Since the continuous improvement and control in the production process, the information contained in this document maybe subject to change. Please refer to the nameplate on the machine for model specifications.

