

DALRADA

Climate Technology



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P R O D U C T L I N E C A R D

Dalrada Climate Technology (DCT) One Series
Commercial Heat Pump

FEATURES

- Up to 7 times more efficient than traditional boilers and chiller plants
- Delivers 60-80% energy savings while reducing CO₂ emissions
- Coefficient of Performance: COP 1:7
- 1 kW of electrical energy produces 4.5 kW of heating
- Hot water supply range: 122°F to 185°F (50°C to 85°C)
- Cold water supply range: 32°F to 59°F (0°C to 15°C)
- Uses R744 carbon dioxide (CO₂) as the refrigerant



Dalrada Climate Technology DCECO W
Commercial Heat Pump

FEATURES

- Inverter technology
- Domestic hot water, heating and pool production
- Integrated active cooling production & photovoltaic hybridisation
- Integrated cascade management up to 3 units
- HTR technology for DHW production up to 158°F (70°C)
- Natural refrigerant used in DCECO PRO models allowing DHW production temperature up to 167°F (75°C)



Dalrada Climate Technology DCECO W HP
Commercial Heat Pump

FEATURES

- Inverter technology
- Domestic hot water production
- Heating and pool production integrated active cooling production
- Simultaneous heating and cooling production
- Hybrid source management through ecoSMART e-source
- Cascade management up to 6 units through cascade manager ecoSMART Supervisor



COMMERCIAL PRODUCTS

Dalrada Climate Technology DCE Commercial Heat Pump

FEATURES

- Designed for the production of very high temperature water using R744 natural refrigerant gas (CO₂)
- Can reach hot water temperatures up to 194°F (90°C) with an external air temperature range of -4°F to 109°F (-20°C to 42°C)



Dalrada Climate Technology DCE HT Commercial Heat Pump

FEATURES

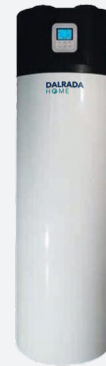
- Delivers hot water up to 176°F (80°C)
- Safe and Reliable: Electric circuit and water circuits are separated
- Highly efficient & energy saving using only one-quarter of the electricity compared to electric heaters
- Environmentally friendly with the use of R513A refrigerant
- Year-Round Hot Water: Functions in both warm and cold climates
- Durable with high-quality components



Dalrada Climate Technology DCE WT Commercial Heat Pump Water Heater

FEATURES

- Energy Efficient: Consumes only 25% of the energy of traditional electric water heaters.
- Consistent Performance: Operates 24/7, regardless of weather conditions
- Versatile Applications: Suitable for 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: Up to 140°F (60°C), ideal for high-demand



Benefits of Dalrada Heat Pumps



Reduces Global Warming Potential (GWP)



Real-time performance data-enabled



Provides excellent ROI, including carbon credits



Reduces energy consumption and lowers costs



Uses carbon dioxide (CO₂) as refrigerant

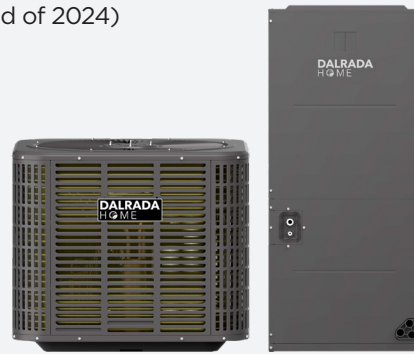


Efficiently decarbonizes heat

Dalrada Climate Technology R410A (until end of 2024) Residential Air Handler/Condenser

FEATURES

- Full Inverter System for enhanced efficiency and precise control for optimized energy consumption and comfort
- Weekly Timer Control to create a 24-hour operating plan
- Flexible installation allowing the air handler unit to be installed either vertically or horizontally
- Refrigerant Leakage Detector ensuring safe operation



Dalrada Climate Technology R32 Mini-Split Residential Heat Pump

FEATURES

- Easy installation with no need for expert technicians
- Mini-split technology is perfectly designed for small spaces such as rooms, small shops, offices, or warehouses
- Complete system includes temperature sensors and a thermostat control for precise climate control
- Efficient heating and cooling, tailored to the specific needs of each space



Dalrada Climate Technology R32 Pro Series Residential Heat Pump

FEATURES

- Lower GWP
- DC inverter compressors and controllers
- Smarter Technology: Intelligent controller, Wi-Fi monitoring
- Reduced Noise: Quiet, reinforced sound reduction
- Integrated Controls: Multiple heat pump connections
- Single controller via a user-friendly mobile application
- Guaranteed Safety: Built with anti-explosion measures



Dalrada Climate Technology R32 Pool Series Residential Heat Pump

FEATURES

- Speed up heating time by 50% with smart inverter control technology
- DC brushless fan motor
- Eco-friendly R32 refrigerant
- DC Inverter twin-rotary compressor
- Titanium heat exchanger
- Super low ambient noise



RESIDENTIAL PRODUCTS

For more information on Dalrada's line of products,
contact ATI at (631) 331-0215 or visit us at ATIofNY.com