



BOSCH

Invented for life



Bosch Heat Pump Water to Water

TW Model: CDi Series

The Greensource CDi Series TW Model Water to Water Systems are available from 2-5 & 10 tons. They are perfect for potable hot water generation, space, pool and radiant floor heating applications and can even melt snow and ice off your sidewalk and driveway.

Newly
Redesigned with
Enhancements in
Capacities and
Efficiencies





Warmer Floors Equals Comfort!

Bosch TW Model

Our Geothermal Heat Pump systems are among the most energy and cost efficient systems on the market today and offer the greenest technology for heating applications. This technology uses the relatively constant temperature of the earth, irrespective of the ambient temperature, which makes it extremely efficient year round in virtually any climate.



Features

- ▶ Two-stage scroll compressors⁽¹⁾ offer high efficiency
- ▶ Dual density compressor blankets provide quiet operation
- ▶ Cabinet is made of durable, high quality white pre-painted galvanized steel
- ▶ Schrader access ports, high & low pressure switch, and lockout circuit
- ▶ UPM unit protection module standard on CS models
- ▶ Unit mounted controller standard on US models
- ▶ Single point electrical connection
- ▶ 75VA transformer

(1) 56 dBA sound level is based on outdoor unit.

Extreme Efficiency

The Greensource CDi Series TW Model with its exclusive design boasts industry leading efficiency at full load heating, and is even more efficient during part load operation. Heating loads are calculated using the extreme conditions so unless peak capacity is required, the unit will run at roughly 2/3 capacity with significantly higher efficiencies than competitive products, providing maximum comfort with minimum energy use. This increases your energy savings even further, saving you money and providing peace-of-mind.



The Bosch TW

Offers Quality Comfort

The Bosch TW Model high efficiency water to water offers all of the features and comfort of a high end residential appliance, coupled with the ruggedness and durability of a premier commercial unit. These units can be used in many applications such as hydronic floor/baseboard heating, hydronic forced air fan coil heating/cooling, ice and snow melting, and swimming pool/spa heating.



Quiet Operation

These units employ a compressor blanket as standard to ensure that they provide quiet operation. The entire refrigerant system is supported by a heavy gauge base that floats on a unique high density, viscoelastic sound barrier. The compressor is covered in a multi-density sound blanket and the heavy gauge steel cabinet is fully insulated. When employed as the heat source for radiant floor systems, this unit is extremely efficient and is one of the quietest systems available to heat and cool your home.

Quality

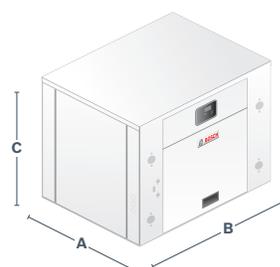
The Bosch TW is a durable, high quality unit wrapped with white pre-painted galvanized steel that ensures it won't just look good but will be long lasting. We run rigorous factory testing, every unit is bench/run tested at the factory prior to being shipped. Bosch's 40 years of experience in designing geothermal heat pumps are your assurance of an efficient, high quality product. Bosch is also ISO 9001- 2008 certified, our facilities provide consistent quality in every unit we build and ship to you.

| TW Models | | | | | |
|-----------|------------------|----------------|----------|-----------------------|-------------|
| Size | Source Coax Coil | Load Coax Coil | Controls | Heat Recovery Package | Part Number |
| 025 | C | C | US | D | 7735082198 |
| | N | | | | 7735082199 |
| | C | | CS | D | 7735082200 |
| | N | | | | 7735082201 |
| | C | C | US | X | 7735082202 |
| | N | | | | 7735082203 |
| | C | | CS | X | 7735082204 |
| | N | | | | 7735082205 |
| 035 | C | C | US | D | 7735080996 |
| | N | | | | 7735080998 |
| | C | | CS | D | 7735081317 |
| | N | | | | 7735081319 |
| | C | C | US | X | 7735081009 |
| | N | | | | 7735081010 |
| | C | | CS | X | 7735081318 |
| | N | | | | 7735081320 |
| 049 | C | C | US | D | 7735081001 |
| | N | | | | 7735081002 |
| | C | | CS | D | 7735081003 |
| | N | | | | 7735081004 |
| | C | C | US | X | 7735081013 |
| | N | | | | 7735081014 |
| | C | | CS | X | 7735081015 |
| | N | | | | 7735081016 |
| 061 | C | C | US | D | 7735081005 |
| | N | | | | 7735081006 |
| | C | | CS | D | 7735081007 |
| | N | | | | 7735081008 |

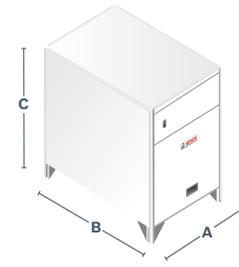
| TW Models | | | | | |
|-----------|------------------|----------------|----------|-----------------------|-------------|
| Size | Source Coax Coil | Load Coax Coil | Controls | Heat Recovery Package | Part Number |
| 061 | C | C | US | X | 7735081017 |
| | N | | | | 7735081018 |
| | C | | CS | X | 7735081019 |
| | N | | | | 7735081020 |
| 122 | C | C | US | D | 7735082642 |
| | N | | | | 7735082643 |
| | C | | CS | D | 7735082644 |
| | N | | | | 7735082645 |
| | C | C | US | X | 7735082646 |
| | N | | | | 7735082647 |
| | C | | CS | X | 7735082648 |
| | N | | | | 7735082649 |

| Model Number | Dimensions | | |
|--------------|------------|-----------|---------------------|
| | A (width) | B (depth) | C (height) |
| TW025 | 24.0 | 32.5 | 24.1 |
| TW035 | 24.0 | 32.5 | 24.1 |
| TW049 | 24.0 | 32.5 | 24.1 |
| TW061 | 24.0 | 32.5 | 24.1 |
| TW122 | 28.0 | 46.0 | 37.5 ⁽²⁾ |

NOTE: CuNi (N) Source Side Coaxial Heat Exchanger Coil (for ground loop side).
 NOTE: If Load CuNi Coaxial Coil option is desired, contact Bosch Commercial Team to inquire about the WT/WW models.
 NOTE: Unit mounted controller (US), UPM only (CS).
 NOTE: Unit with Heat Recovery Package (D), Without HRP (X).



TW025 - TW061



TW122

| Model Number | TW Performance Data | | | | | | | | | | | | |
|--|------------------------------|--------|------------------|--------|---------------------|--------|------------------|--------|--------------------|--------|------------------|-------|------|
| | Load Temperature | | | | | | | | | | | | |
| | Water Loop (WLHP) | | | | Ground Water (GWHP) | | | | Ground Loop (GLHP) | | | | |
| | 53.6°F | | 104°F | | 53.6°F | | 104°F | | 53.6°F | | 104°F | | |
| | Source Temperature | | | | | | | | | | | | |
| | 86°F | | 68°F | | 59°F | | 50°F | | 77°F | | 32°F | | |
| | Capacity and Efficiency Data | | | | | | | | | | | | |
| | Cooling Capacity | EER | Heating Capacity | COP | Cooling Capacity | EER | Heating Capacity | COP | Cooling Capacity | EER | Heating Capacity | COP | |
| ASHRAE/AHRI/ISO 13256-2. English (I-P) Units | | | | | | | | | | | | | |
| FULL LOAD | TW025 | 22200 | 14.5 | 29700 | 4.55 | 25400 | 22.10 | 23800 | 3.70 | 23400 | 16.90 | 18700 | 3.05 |
| | TW035 | 32500 | 13.80 | 44100 | 4.60 | 37200 | 21.30 | 35800 | 3.70 | 34100 | 16.10 | 28300 | 3.05 |
| | TW049 | 42700 | 14.40 | 55800 | 4.50 | 48500 | 22.10 | 46200 | 3.60 | 44800 | 16.70 | 37300 | 3.05 |
| | TW061 | 52000 | 13.90 | 67500 | 4.40 | 58500 | 21.00 | 55900 | 3.60 | 54400 | 16.20 | 45400 | 3.05 |
| | TW122 | 108400 | 13.80 | 148400 | 4.60 | 122900 | 20.60 | 120600 | 3.70 | 113800 | 16.00 | 95800 | 3.05 |
| ASHRAE/AHRI/ISO 13256-2. English (I-P) Units | | | | | | | | | | | | | |
| PART LOAD | TW025 | 16900 | 15.55 | 22200 | 4.85 | 19400 | 25.50 | 17600 | 3.70 | 18800 | 22.10 | 15300 | 3.15 |
| | TW035 | 23700 | 14.60 | 32500 | 4.90 | 27600 | 25.50 | 25500 | 3.70 | 26400 | 21.30 | 22100 | 3.15 |
| | TW049 | 31600 | 15.10 | 40800 | 4.60 | 36600 | 26.30 | 33500 | 3.60 | 35200 | 22.10 | 29800 | 3.15 |
| | TW061 | 38500 | 14.50 | 49600 | 4.50 | 44100 | 25.00 | 41100 | 3.60 | 42300 | 21.00 | 36700 | 3.15 |
| | TW122 | 80200 | 14.40 | 109900 | 4.80 | 90400 | 21.70 | 88300 | 3.70 | 87900 | 19.60 | 78500 | 3.15 |

(2) Dimension includes bottom cabinet feet

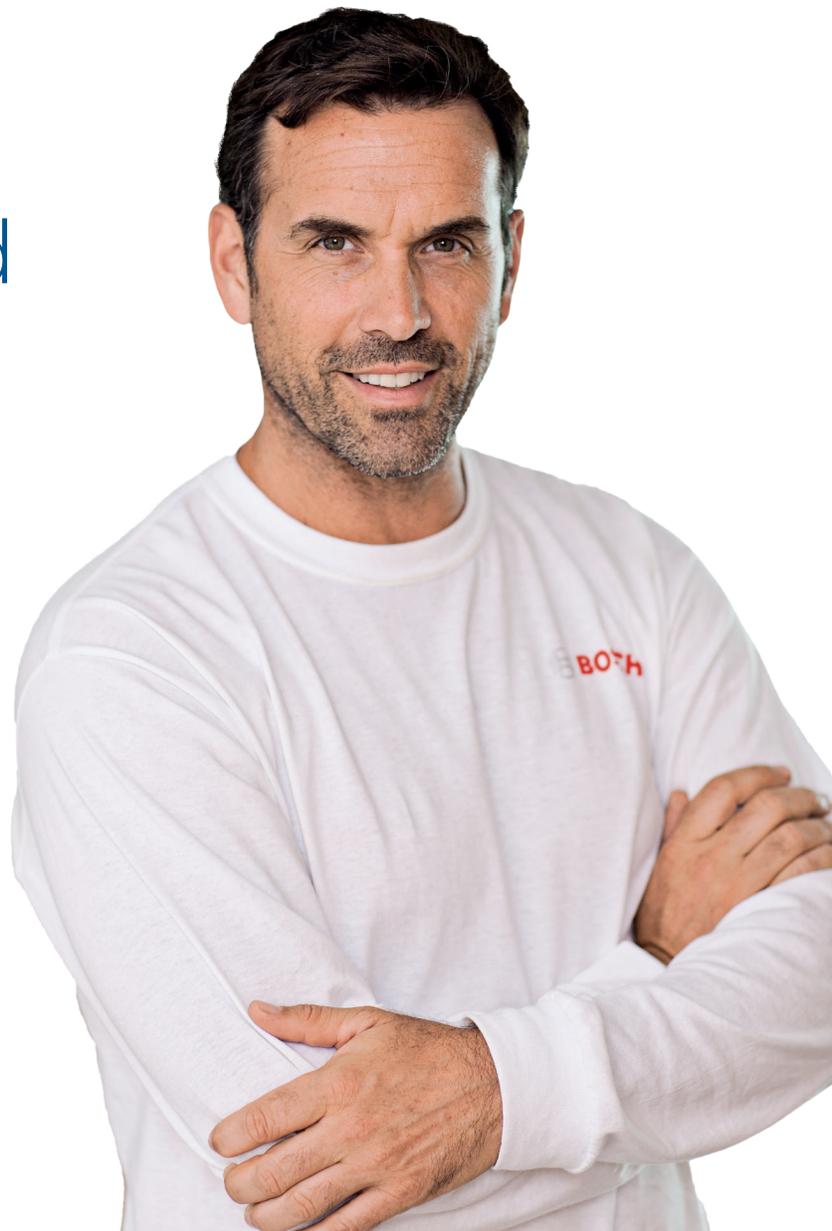


A Zero Energy Capable Home for Peace of Mind

The Bosch zero energy capable home is a full systems approach to creating a house that is not an energy drain on the planet's finite resources. This technology helps homeowners to reduce their monthly utility bills and protect the environment.

Bosch has assembled a comprehensive suite of heating, cooling, water heating, and energy-efficient appliances that, when installed in a home, reduces home energy usage due to intelligent product designs and higher efficiencies. In addition, this approach enables the homeowner to save enough power to offset the already reduced energy demand, meaning virtually a zero energy bill for the homeowner.

Ask your Bosch Contractor or go to [Boschexperiencecenter.com](https://www.boschexperiencecenter.com) to learn more about how Bosch products can work together for your ultimate comfort.



About **Bosch**

Bosch Group

The Bosch Group is a leading global supplier of technology and services in the areas of Automotive, Industrial Technology, Consumer Goods and Building Technology. The company was founded in Stuttgart, Germany, in 1886 and presently has more than 440 subsidiaries and is represented in over 150 countries.

In the U.S., Canada and Mexico, the Bosch Group manufactures and markets automotive original equipment and aftermarket solutions, industrial drives and control technology, power tools, security and communication systems, packaging technology, thermotechnology, household appliances and software solutions. The Bosch Group's products and services are designed to improving quality of life by providing innovative and beneficial solutions. In this way, the company offers technology worldwide that is "Invented for life." Additional information is available online at boschheatingandcooling.com and bosch.ca.

Bosch Thermotechnology in North America

Bosch Thermotechnology is a leading source of high quality water heating and comfort systems. The company offers gas tankless, electric whole house and point-of-use water heaters, Bosch and Buderus floor-standing and wall mounted boilers, Bosch and FHP geothermal, water-source and air-source systems as well as controls and accessories for all product lines. Bosch Thermotechnology is committed to being Simply Smart by offering products that work together as integrated systems that enhance quality of life in an ultra-efficient and environmentally friendly manner. For more information, visit boschheatingandcooling.com.



Heating



Cooling



Hot Water



Controls

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