



# **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<sup>(1)</sup> 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

### 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.

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

# 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.

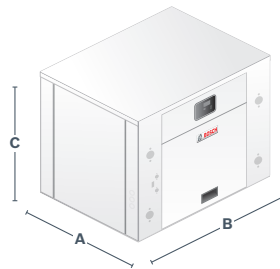


TW Models					
Size	Source Coax Coil	Load Coax Coil	Controls	Heat Recovery Package	Part Number
025	C	C	US	D	7735082198
	N				7735082199
	C		CS	D	7735082200
	N				7735082201
	C	C	US	X	7735082202
	N				7735082203
	C		CS	X	7735082204
	N				7735082205
035	C	C	US	D	7735080996
	N				7735080998
	C		CS	D	7735081317
	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

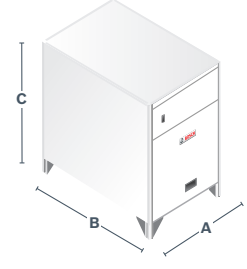
NOTE: CuNi (N) Source Side Coaxial Heat Exchanger Coil (for ground loop side).  
NOTE: If Load CuNi Coaxial Coil option is desired, contact Bosch Commercial Team to inquire about the WT/WW models.  
NOTE: Unit mounted controller (US), UPM only (CS).  
NOTE: Unit with Heat Recovery Package (D), Without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

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 <sup>(2)</sup>



**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](http://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](http://boschheatingandcooling.com) and [bosch.ca](http://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](http://boschheatingandcooling.com).



Heating



Cooling



Hot Water



Controls

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