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Water to Water System TW Series 2 to 10 ton

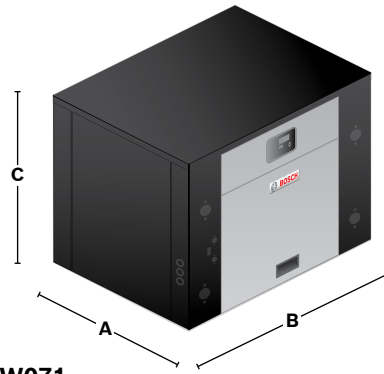
Geothermal Heating & Cooling



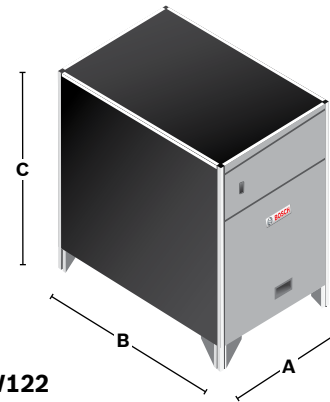
BOSCH

Invented for life

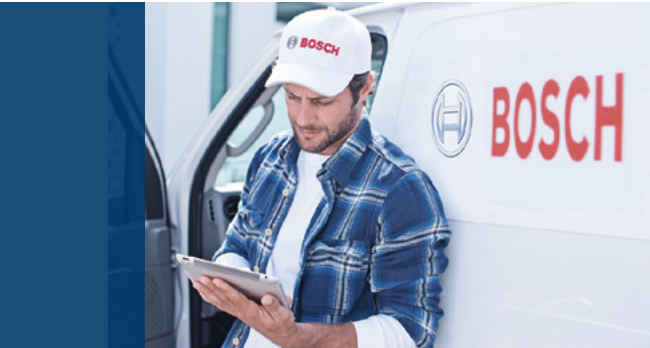
Technical Features




TW025 - TW071



TW122



Model Number	Dimensions		
	Vertical/Counterflow		
	A (width)	B (depth)	C (height)
TW025	32.50	24.00	24.12
TW035	32.50	24.00	24.12
TW049	32.50	24.00	24.12
TW061	32.50	24.00	24.12
TW071	32.50	24.00	24.12
TW122*	29.00*	46.00*	37.50*

ENERGY STAR Rated Products 

Model Number	ALL TWs are ENERGY STAR compliant											
	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
TW025												
Part Load	15500	14.7	22000	4.6	18500	25.7	17000	3.7	18000	22.1	15500	3.1
Full Load	21000	13.4	31000	4.4	24500	21.2	25000	3.6	22500	15.9	19500	2.8
TW035												
Part Load	22500	14.5	31000	4.7	25500	24.5	25000	3.6	24000	20.6	22000	3.1
Full Load	29000	12.6	43000	4.3	34000	20.2	34000	3.5	30000	14.5	27000	2.8
TW049												
Part Load	29000	13.8	42000	4.5	33500	23.5	34500	3.8	32500	20.1	30500	3.2
Full Load	39000	12.8	58000	4.1	45000	19.7	47000	3.6	41000	14.9	37500	2.9
TW061												
Part Load	37000	14.2	55000	4.7	42500	23.3	41500	3.6	41000	19.8	36500	3.0
Full Load	49000	12.9	74500	4.2	56000	19.9	59000	3.4	51000	14.8	44500	2.7
TW071												
Part Load	43500	13.5	65500	4.4	50500	21.8	52000	3.5	48500	18.7	45000	3.1
Full Load	57500	12.4	86500	4.1	64000	18.8	70000	3.4	60000	14.8	53000	2.9
TW122												
Part Load	54950	12.32	78600	4.23	63500	19.0	63600	3.4	61100	16.7	56300	3.2
Full Load	114150	13.82	160800	4.63	130200	21.3	129800	3.8	119800	16.1	102700	3.0

Bosch TW Series Benefits

Our Geothermal Heat Pump systems are some of the most energy and cost efficient systems on the market and therefore the greenest technology for heating and cooling applications. This technology uses the relatively constant temperature of the earth, which makes it extremely efficient all year long in virtually any climate.



Extreme Efficiency

While Bosch's TW Series with its exclusive design boasts industry leading efficiency at full load heating and cooling, it is even more efficient during part load operation. Unless peak capacity is required, the unit can run at roughly 2/3 capacity at significantly higher efficiencies than competitive products, maintaining maximum comfort with minimum energy use. This increases your energy savings even further, saving you money and providing you peace-of-mind.

Quiet Operation

These units employ Bosch's sound package as standard to ensure that they provide peaceful, 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 has one of the quietest operations available to heat and cool your home.

Quality

The unit is covered in a high quality and attractive black cabinet with a silver brushed aluminum front. Rigorous factory testing along with Bosch's 40 years of experience in designing geothermal heat pumps are your assurance of a efficient quality product. Bosch's ISO 9001- 2008 certified facilities provide consistent quality in every unit we build.

Bosch TW122 10 Ton High Efficiency Unit



The Bosch TW high efficiency water to water product meets current ENERGY STAR Tier 3 efficiency standards. It offers all of the features and comfort of a high end residential appliance, coupled with the ruggedness and durability of a premier industrial unit.

- ▶ Scroll compressors offer high efficiency
- ▶ Dual density compressor blankets for quiet operation
- ▶ Black vinyl cabinet with silver brushed aluminum front panels
- ▶ Comfort alert diagnostic module
- ▶ Schrader access ports, high & low pressure switch, and lockout circuit
- ▶ UPM unit protection module standard in -CSC, -CSN models
- ▶ Unit mounted controller standard on -USC, -USN models
- ▶ Single point electrical connections
- ▶ 75VA transformer

Limited Residential Warranty - Coverage for your Geothermal Heat Pump

*With the limited residential warranty, you receive peace-of-mind knowing you will receive replacement parts protection for up to 10 years. This standard offering covers all components incorporated into the unit cabinet at the time of manufacture. Other components or parts that are purchased from FHP/Bosch and installed in the field have a 1 year replacement parts warranty from proof of certificate of occupancy date or proof of certified start up date. Additionally, a standard 10 year labor-allowance is included for the replacement of any defective component to help offset labor expenses if a component should fail.

30% Tax Credit for Geothermal Heat Pumps

As of December 1, 2009, home owners who install ENERGY STAR qualified geothermal heat pumps are eligible for a 30% tax credit on the cost of the geothermal system including all installation costs. There is no cap on the federal tax credit. Presently, these tax credits are only available through the end of 2016. The Bosch TW series is compliant with ENERGY STAR Tier 3.

Financing Information

The smarter way to heat and cool your home is more affordable than ever thanks to special financing options. Qualified homeowners can choose from a variety of loans with a low fixed rate or established fixed monthly rates towards the installation and purchase of Bosch geothermal heat pumps. Depending on model and installation costs, homeowners may be able to borrow as little as \$2,500 or up-to \$20,000 with a 10-year repayment window. A Bosch approved contractor must perform the installation in order to be eligible for the financing. For a complete listing of Bosch installers in your area, log on to www.bosch-climate.us

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Printed on Elemental Chlorine Free, FSC-certified,
minimum 10% PCW paper with vegetable-based inks.

Scan the QR code to the right to access Water to Water product information

