WT & WW Models

Water-to-Water Heat Pump

2 to 35 ton

The FHP single and two-stage water-to-water models offer a clean solution with enhanced features to meet the design requirements for many types of HVAC and industrial applications that require cost effective heated or chilled water systems.

ENHANCED **WT / WW** MODELS

PART LOAD

UP TO	UP TO
22.1	**4.7**
EER GLHP	COP WSHP

Made in the U.S.A.

Commercial Sales Catalog
fhp-mfg.com

BOSCH
Invented for life

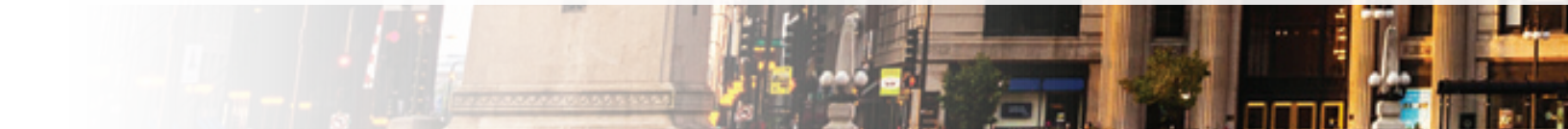


Table of Contents

MODEL NOMENCLATURE **2**

CERTIFIED PERFORMANCE DATA **2**

FHP EQUIPMENT **3**

ABOUT BOSCH THERMOTECHNOLOGY CORP. IN NORTH AMERICA **3**

WT & WW MODELS **4**

- Quality 4
- Advantages of FHP Technology 4
- Flexible Installation 4
- Quiet Operation 5
- Serviceability 5

WT MODEL 025-071 ..... **6**

WW MODEL 120-420 ..... **6**

UNIT CONFIGURATIONS **6-7**

FEATURES, FUNCTIONS AND BENEFITS **8**

- Cabinet 8
- Refrigerant Circuit 8

CONTROLS **9**

UNIT MOUNTED CONTROLLER (UMC) **9**

- Remote Mounted Control (RMC) 9

UNIT PROTECTION MODULE (UPM) **10**

- UPM Control Board Features 10
- DDC Controls (Option) 11

ADDITIONAL FEATURES **11**

- Water-To-Water Applications To Meet Every Need 12
- Radiators 12
- Domestic Hot Water 12
- Pool And Spa Heating 12

ADDITIONAL OPTIONS **12**

- Heat Recovery Package (HRP) 12
- Flow Proving Switch 13
- Energy Management Switch (EMS) 13

ACCESSORIES **13**

- Hose Kits 13

SYSTEMS **14**

- Cooling Tower/Boiler Application 14
- Geothermal Systems 14
- Earth Coupling Options 14
- Ground Loop Systems (Closed Loop) 14
- Vertical Ground Loop System 15
- Horizontal Ground Loop System 15

TYPICAL HEAT PUMP SYSTEM **15**

- Surface Water, Lake or Pond System 15
- Well Water System 16

TYPICAL UNIT INSTALLATION **16**

- Unit Location 16
- Typical Load Side Application 17
- Piping 18
- Operating Limits 19

ANTIFREEZE CORRECTION DATA **20**

WATERSIDE PRESSURE DROP–WT MODEL **21**

WATERSIDE PRESSURE DROP–WW MODEL **22**

CAPACITY DATA **23-58**

- WT025 23-26
- WT035 27-30
- WT049 31-34
- WT061 35-38
- WT071 39-42
- WW120 43-44
- WW122 45-48
- WW180 49-50
- WW210 51-52
- WW240 53-54
- WW360 55-56
- WW420 57-58

ELECTRICAL DATA **59**

- WT Model 59
- WW Model 59

OPERATING PRESSURES (PSIG) **60**

- Chiller Mode 60
- Boiler Mode 60

PHYSICAL DATA **61**

UNIT DIMENSIONS **62**

- WT Model Water Source Heat Pump 62
- WW Model Water Source Heat Pump 63-64

GUIDE SPECIFICATIONS **65-66**

Model Nomenclature

WW 060 1 CS C F X A G

MODEL:
WT - Water-to-water, two-stage, single circuit
WW - Water-to-water, one/two-stage, independent refrigerant circuits for two-stage

NOMINAL CAPACITY:
025, 035, 049, 061, 071 (WT Model)
120, 122, 180, 210, 240, 360, 420 (WW Model)

VOLTAGE DESIGNATION:
1 - 208-230/1/60
2 - 277 (265)/1/60
3 - 208-230/3/60
4 - 460/3/60
5 - 575/3/60

CONTROL:
CS - No Controller
US - FHP Unit Mounted Controller

APPLICABLE:
G - Extended Range (Geothermal)

CABINET CONFIGURATION:
A - G90 Steel / 1/2" Standard 1.5LB Dual Density Fiberglass
D - G90 Steel / 1/2" Standard 1.5LB Dual Density Fiberglass, Extra Quiet

X - Not Applicable

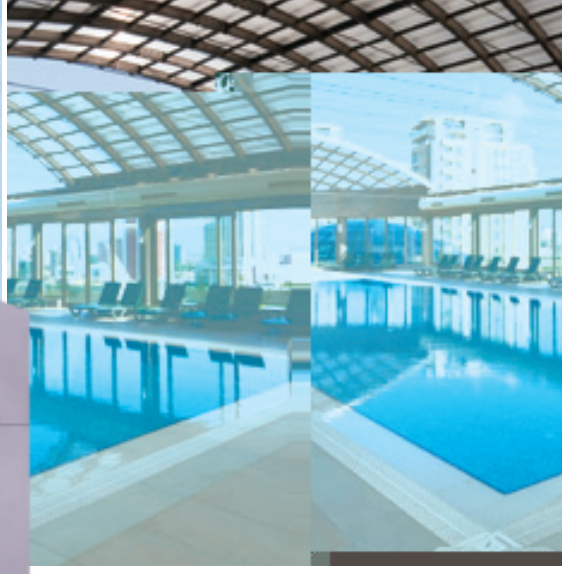
WATER CONNECTIONS:
F - Front
R - Rear

WATER COIL:
C - Copper
N - Cupro-Nickel

Certified Performance Data

ASHRAE/AHRI/ISO 13256-1. English (I-P) Units

Model	Load	Source Water Flow Rate (GPM)	Load Water Flow Rate (GPM)	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
				Cooling 86˚F		Heating 68˚F		Cooling 59˚F		Heating 50˚F		Cooling 77˚F		Heating 32˚F	
				Capacity BTU/h	EER BTU/W-h	Capacity BTU/h	COP	Capacity BTU/h	EER BTU/W-h	Capacity BTU/h	COP	Capacity BTU/h	EER BTU/W-h	Capacity BTU/h	COP
WT025	Part	6	5	15500	14.7	22000	4.6	18500	25.7	17000	3.7	18000	22.1	15500	3.1
	Full	6	5	21000	13.4	31000	4.4	24500	21.2	25000	3.6	22500	15.9	19500	2.8
WT035	Part	9	7	22500	14.5	31000	4.7	25500	24.5	25000	3.6	24000	20.6	22000	3.1
	Full	9	7	29000	12.6	43000	4.3	34000	20.2	34000	3.5	30000	14.5	27000	2.8
WT049	Part	10	8	29000	13.8	42000	4.5	33500	23.5	34500	3.8	32500	20.1	30500	3.2
	Full	10	8	39000	12.8	58000	4.1	45000	19.7	47000	3.6	41000	14.9	37500	2.9
WT061	Part	13	10	37000	14.2	55000	4.7	42500	23.3	41500	3.6	41000	19.8	36500	3.0
	Full	13	10	49000	12.9	74500	4.2	56000	19.9	59000	3.4	51000	14.8	44500	2.8
WT071	Part	15	12	43500	13.5	65500	4.4	50500	21.8	52000	3.5	48500	18.7	45000	3.1
	Full	15	12	57500	12.4	86500	4.1	64000	18.8	70000	3.4	60000	14.8	53000	2.9
WW120	Full	30	30	110100	13.5	160000	4.4	125000	19.2	129000	3.7	116000	15.5	106500	3.0
WW122	Part	30	25	54950	12.3	78600	4.2	63500	19.0	63600	3.4	61100	16.7	56300	3.2
	Full	30	25	114150	13.8	160800	4.6	130200	21.3	129800	3.8	119800	16.1	102700	3.0
PERFORMANCE IN ACCORDANCE WITH ARI/ISO 13256-1															
WW180	Full	34	27	127000	13.8	180500	4.5	143000	20.7	148500	3.8	132500	15.9	121000	3.2
WW210	Full	40	32	164200	13.2	239500	4.4	185500	19.1	194000	3.7	171500	15.1	156000	3.0
WW240	Full	56	44	222000	13.5	320000	4.4	249500	19.2	258500	3.7	232500	15.5	206500	3.0
WW360	Full	68	54	254000	13.8	361500	4.5	286500	20.7	297000	3.8	265000	15.9	242000	3.2
WW420	Full	80	64	328300	13.2	479000	4.4	370500	19.1	387500	3.7	343000	15.1	312000	3.0



FHP Equipment

Specializing in efficient green technology for commercial heating and cooling products. FHP products are one of the leading Geothermal and Water Source heat pumps in the market, which assures that you are buying a unit that you can trust. Bosch Thermotechnology Corp. is dedicated to providing highly efficient heating and cooling solutions to the private and public sectors.

Bosch Thermotechnology Corp. is always on the forefront of product development and innovative design to optimize the performance of FHP units. Our products are designed and manufactured to the highest quality, reflecting the no-compromise standards for which FHP and Bosch are renowned in order to provide our customers with the highest level of satisfaction and comfort. The variety of options, energy efficiency and uncompromising quality of all FHP products makes them the ideal choice for the commercial new construction market and the ease of designing into tight retrofit spaces of buildings.

FHP's engineering efforts have been focused on providing a greener world for future generations. Faced with today's tough environmental challenges and with global warming, Bosch Thermotechnology Corp. is more committed than ever to develop solutions which utilize sustainable energy sources in order to conserve our planet's resources. With our heat pumps, you not only will save money on energy bills but also help create a better world.

The WT and WW Model water-to-water heat pumps are the result of our almost 40+ years of research and development experience in the US heat pump market. It is the most flexible geothermal technology available today, designed to improve reliability, reduce installation costs and provide your building with the cost savings and comfort you expect from FHP.

About Bosch Thermotechnology Corp. in North America

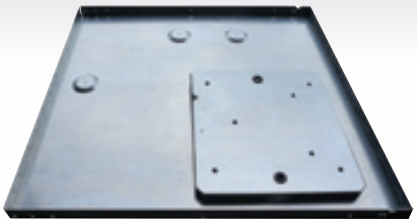
Bosch Thermotechnology Corp. is a leading source of high quality heating and cooling systems in North America. The company offers tankless, point-of-use water heaters, solar thermal systems, Bosch and Buderus conventional and condensing boilers, heat pump water heaters, Bosch and FHP geothermal heat pumps as well as controls and accessories for every product line. Bosch Thermotechnology Corp. is committed to reinventing energy efficiency by offering smart products that work together as integrated systems, which enhance quality of life in an ultra efficient and environmentally friendly manner.

Proven and Tested Technologies

FHP heat pumps are made by highly trained and skilled workers in the FHP factory based in Fort Lauderdale, Florida. They are manufactured with rigorous standards and factory testing ensuring trustworthy operation over the life of the unit. Bosch's ISO 9001 and ISO 14001 certified facilities provide consistent quality in every unit built.

Made in the U.S.A.

Scroll Compressor



Floating Base Pan

WT and WW Models

The enhanced WT Model is available in 2 - 6 tons, includes a wider range of voltages and optional double-wall load side heat exchanger. Also providing almost limitless options for hydronic systems due to its two-stage compressor and high operating temperatures for best-in-class performance.

The WW Model is available from 10 - 35 tons. Including either a single-stage scroll compressor (WW120, 150, 180 and 210) or dual compressors, two-stage refrigerant circuits for water-cooled modular reverse cycle chiller applications designed to meet all your needs and requirements. Water-to-water units can be utilized for hydronic heating, make-up air applications or swimming pool heating just to mention a few of their potential applications.

Quality

The WT/WW Models feature a heavy-duty G90 steel cabinet and are among the most efficient systems on the market, featuring less energy use, extended product lifespan and removing almost all noise during operation. This means that you will hardly even notice that your system is running. The high quality of the product also assures low maintenance costs. Rigorous factory testing helps to ensure no hassles from the start while FHP's 40+ years of experience in designing heat pumps is your assurance of the highest quality product.

Advantages of FHP Technology

- 2-stage capacity (except WW120,150,180,& 210)
- Scroll compressor(s)
- Optimum comfort
- Simple installation and operation
- Low installation costs
- Lower operating costs
- Flexibility in designing and installation
- Energy efficiency
- Space savings
- Superior quality
- Quiet operation

Flexible Installation

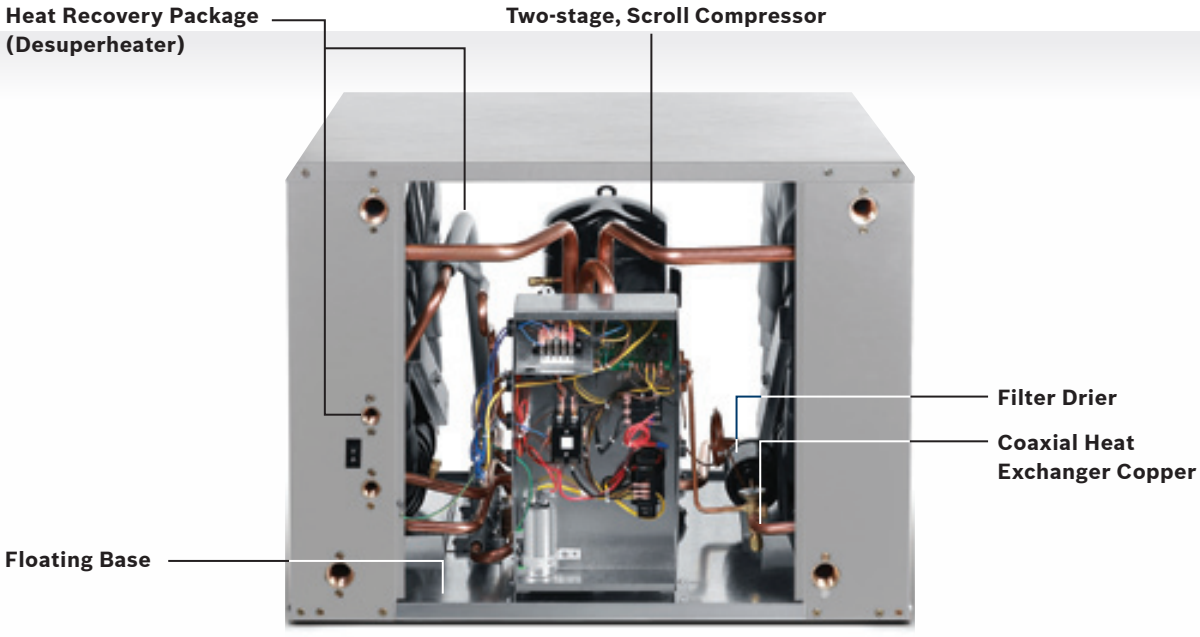
The high end appliance grade cabinet is designed to fit easily through standard doorways of 36" simplifying installation in existing homes and commercial buildings. The modular design of the WW Model gives you the flexibility to install units individually or in any combination to match the exact load requirement for your commercial project.

Please remember to research the local and federal tax credits as rebates decrease your installation cost, which decreases the payback period. If more information is required please contact the sales department in your area.

To facilitate installation, WT/WW Models arrive geothermal ready as a greener alternative. There are many load side applications for which the water- to-water heat pump/ liquid chiller is ideally suited:

- Hydronic baseboard heating
- Hydronic in-slab floor heating
- Forced air fan coil heating or cooling
- Ice and snow melting
- Heating potable water
- Heating swimming pool and spa
- Process fluid heating or cooling

Subject to change without prior notice.



(WT Model)

Quiet Operation

The WT and WW Model employs a number of features to ensure that it will provide comfort quietly. FHP exclusive floating base pan and optional multi-density compressor blanket ensure that heating and cooling needs will be met quietly as well as efficiently.

The compressor is supported by a heavy gauge base that floats on a unique high density, visco-elastic sound barrier. The compressor is covered in an optional 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 among the most efficient and has the quietest means available to heat and cool a building. Noise reduction is a critical consideration of the WW unit's design which is why all our chillers have a fraction of the refrigerant charge of central station chillers and operate at a significantly reduced sound level.

Serviceability

All units are designed to be serviced from the front of the unit. Schrader valves for the high and low pressure gauges are standard, along with easily accessible electrical box components, allow diagnosing and servicing the unit a simple task.

Sizable panels are removable to facilitate servicing of the unit. These service friendly features benefit equipment owners with easier service access which saves time and money.

FHP's state of the art control circuit includes the optional Comfort Alert Diagnostic Module that is matched to the unit compressor. This feature can significantly reduce maintenance costs by improving system technician accuracy by up to 75% over systems without a Comfort Alert Diagnostic Module.

Schrader Charging Valves for Servicing

WT Model 025-071

- 5 Models from 2 ton through 6 tons
- Two-stage, single scroll compressor capacity
- Unit configurations – Unit mounted control or remote control

WW Model 120-420

- 7 Models from 10 tons through 35 tons
- Single-stage or two-stage, single or dual refrigerant circuit, scroll compressor capacity
- Unit configurations – Unit mounted control or remote control

Unit Configurations

WT Model

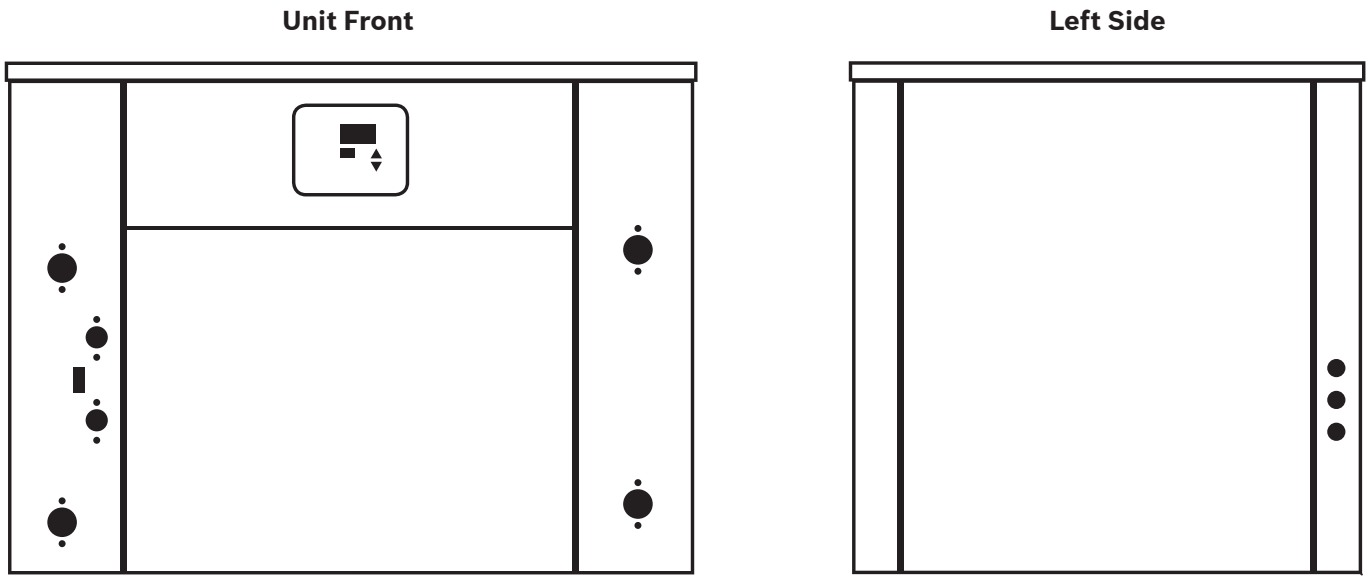


Figure 1

Unit Configurations

WW Model 10-17.5 tons

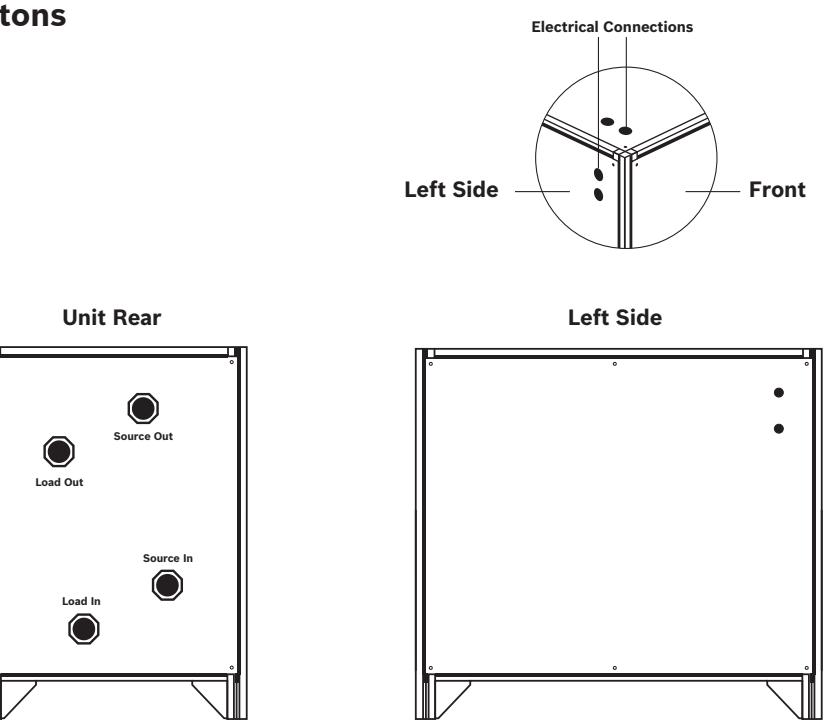


Figure 2

WW Larger Model 20-35 tons

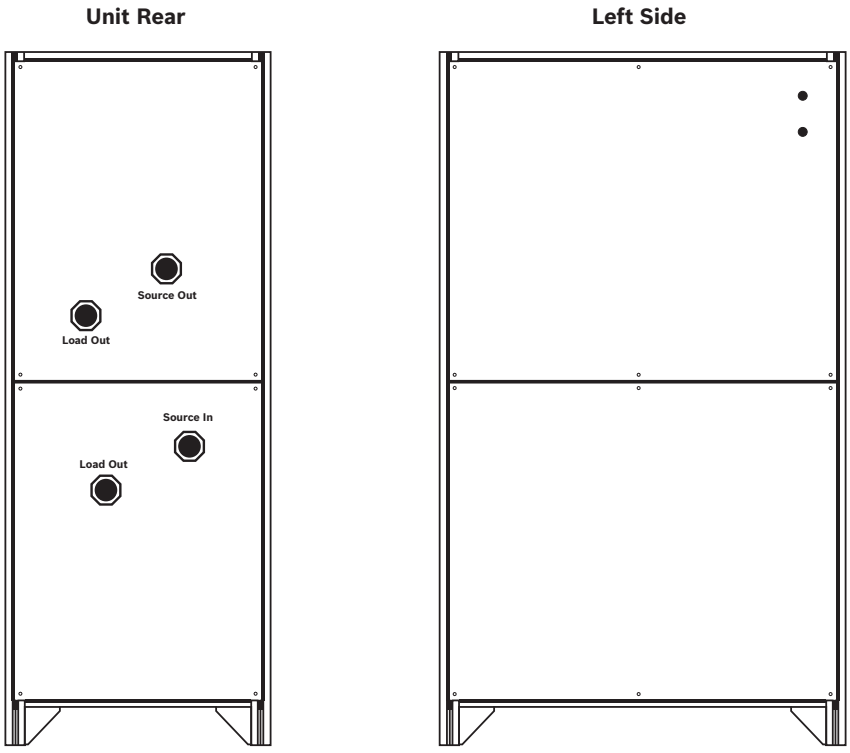


Figure 3

High-Density Compressor Blanket (Optional)

Four-way Reversing Valve

Features, Functions and Benefits

Cabinet

The WT and WW Model cabinetry is constructed using heavy-gauge, G90 galvanized steel. This type of steel provides superior corrosion protection for units installed indoors. All interior surfaces are lined with ½" thick, 1.5lb/cu ft density micromat multi-density, coated fiberglass insulation for thermal insulation and acoustical attenuation. The floating base pan, exclusive to WT Models, isolates the compressor from the cabinet and absorbs the vibration energy so that it does not get transmitted to the space. Even under normal operating conditions vibration may be transmitted to the building and introduced into the space as noise. This feature, distinctive to WT models, is standard to ensure quiet operation.

All WW Models are constructed with an aluminum frame for an appealing appearance, a pleasant aesthetic and lightweight construction. The high-strength extruded aluminum profiles have a natural color, anodized surface that's scratch and corrosion resistant and its durable finish won't rust. It never needs painting and the welding is maintenance free.

The Extra Quiet option includes a compressor blanket, offering optimum low sound levels. A high density compressor blanket is an available option on all WT and WW units. This together with the unique floating base pan can reduce sound levels by up to 60%.

Refrigerant Circuit

WT and WW Models are designed using the optimum combination of scroll compressors and water coils to provide peak performance. Heavy-duty two-stage heat pump scroll compressors are used in all WT units while the single-stage heavy-duty heat pump scroll compressors are incorporated in a single or dual refrigerant circuit for all WW units. Scroll compressors are considered by many in the industry to be the best in durability and efficiency. Standard in all water-to-water models, this ensures that each unit will be equipped to give many years of trustworthy performance.

Refrigerant to water heat exchangers are coaxial tube-in-tube type providing a robust construction, ensuring years of trouble free operation. Coaxial coils are selected and designed for peak performance, offering the best combination of low water pressure drop and maximum heat transfer in both the cooling and heating modes. Standard coaxial coils have a copper interior water tube and a steel outer shell. Cupro-nickel coils are available as an excellent option for applications where the water is of low quality.

In geothermal applications where fluid temperatures can drop below the dew point of the surrounding air, water-to-water models come equipped with insulation on the coaxial heat exchangers and refrigerant piping. A pilot operated four-way reversing valve in the refrigeration circuit allows the unit to operate in either the heating or cooling mode. All FHP units have the reversing valve energized in cooling mode, which allows the unit to fail to heating mode for building protection. This will ensure you are not left without heat in the middle of winter should the reversing valve coil fail.

Subject to change without prior notice.

Coax Coil

TXV Valve

Refrigerant flow to the water coil is controlled by a thermal expansion valve (TXV) and is standard in all WT and WW Models. These TXV's are designed to vary the flow of refrigerant depending on the load. TXV's provide unit optimization and a more stable control over a wider range of operating conditions. Water-to-water models are rated to withstand 600 PSIG working refrigerant pressure and 450 PSIG working water pressure. High and low pressure switches are factory installed in the refrigerant circuit, protecting the unit against high pressure conditions or loss of refrigerant charge. Schrader service valves are standard on the high and low pressure lines of all units, allowing connection of gauges for service diagnostics and to evacuate, reclaim or recharge refrigerant into the system.

Optional double-wall load side heat exchanger
The WT Model is available with a special option of vented double wall load side heat exchanger that is suitable for use with potable water systems. Vented double wall heat exchangers insure that there is no possibility of cross contamination between refrigerant and water in the case of a heat exchanger failure, and meet most plumbing code requirements for application of heat pumps as domestic hot water heaters.

Controls

There are two main choices when designating controllability for the water-to-water models. There is either a factory installed unit mounted controller or a field supplied remote mounted controller. In deciding which to choose for the project, one factor to consider is if the project entails a building automation system with DDC, if this is the case, the remote mounted controller is mandatory. For further explanation the descriptions are to follow or contact the local sales office to receive a better understanding of the controllability choices.

Unit Mounted Controller (UMC) *(also referred to as a Water-To-Water Unit Controller in the installation manual)*

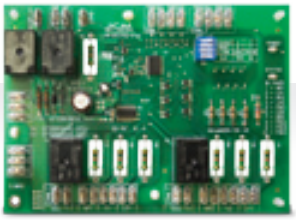
Designed to enhance the unit operation with more flexibility, accurate control and operating modes the unit mounted controller provides an increased level of comfort in the conditioned space together with solid-state reliability and ease of operation. Familiar functionality of our proven UPM module are incorporated into the unit mounted controller for unit protection. The unit mounted controller is available on all FHP water-to-water units except for remote controller/thermostat designation.

- **Tactile Touchpad** for temperature, fan and mode adjustment.
- **Digital Display** of temperature in either degrees Fahrenheit or Celsius.
- **LED Display** provides indication for unit operating mode as well as fan speed and fault indication for high or low pressure lockout.
- **Adjustable Temperature Set Point** from 60° F through 80° F (15.5° C through 26.7° C).
- **Adjustable Temperature Differential** between 1° F and 6° F (0.6° C and 3.3° C).
- **Selectable Options**
  - Manual/Automatic changeover
- **Additional Features**
  - 5 minute anti short cycling delay
  - Random start
  - 90 second low pressure bypass timer prevents nuisance lockouts during cold winter start up
  - Intelligent reset allows the unit to automatically restart after 5 minutes if a fault is no longer active

Remote Mounted Control (RMC)

This feature provides the flexibility to connect a variety of appropriate remote mounted controllers to a low voltage terminal strip within the water-to-water unit. All water-to-water models come with a water temperature thermistor internal to the unit mounted on the water lines.

Unit Mounted Controller (UMC)



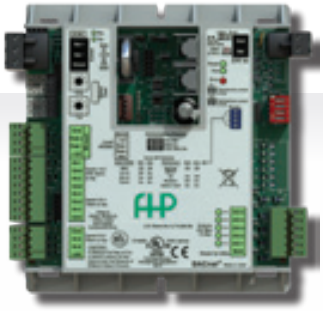
UPM Control Board

Unit Protection Module (UPM)

When selecting the remote mounted controller, the WT and WW Models are built in the factory with a Unit Protection Module (UPM) that controls the unit operation and monitors the safety controls that protect the unit. The UPM interfaces with the appropriate controller. The main purpose of the UPM is to protect the compressor by monitoring the different states of switches and sensors. This module provides time delays and protects the unit against freezing of the water-to-water heat exchangers. This level of protection helps provide the peace of mind that comes with offering an FHP product to the customer.

UPM Control Board Features

- **Anti-Short Cycle Timer** — 5 minute delay on break timer to prevent compressor short cycling.
- **Random Start** — Each controller has a unique random start delay ranging from 270 to 300 seconds after power is applied to the board. This will prevent the simultaneous start of multiple units after a power outage.
- **Low Pressure Bypass Timer** — The low pressure switch is bypassed for 120 seconds after a call for compressor operation to prevent nuisance low pressure lockouts during cold start-up in the heating mode.
- **Brownout/Surge/Power Interruption Protection**— Prevents compressor operation should the voltage drop below 10% of unit rated value. The unit will restart once the voltage is within tolerance and the random start has timed out.
- **Malfunction (Alarm) Output** — The controller has a set of contacts for remote fault indication. This can be either a steady output or can be set to pulse with the fault code. Two connections are available – one to provide a 24 volt output, the other to provide a dry contact.
- **Test Service Mode** — A dip switch setting is provided to reduce all time delay settings to 10 seconds maximum during troubleshooting for verification of unit operation.
- **LED Fault Indication** — Two LED indicators are provided as follows:
  - **Green**: Power LED indicates 18 – 30 VAC present at the board.
  - **Red**: Fault indicator with blink codes identifying the particular fault. This information is available via the malfunction (alarm) output contacts.
- **Intelligent Reset**—If a fault condition is initiated, the 5 minute delay on break time period is initiated and the unit will restart after this delay expires. The UPM is configurable for either 2 or 4 fault occurrences before going into a hard lockout. The selection is made through a dip switch setting on the board. If the fault condition still exists or reoccurs twice or four times within one hour, the unit will go into a hard lockout and requires a manual lockout reset.
- **Lockout Reset**—A hard lockout can be reset by turning the unit thermostat off and then back on or by shutting off unit power at the circuit breaker. The method of reset is selectable by the dip switch on the board.



DDC Control Board

RS Base DDC Sensor

RS Plus DDC Sensor

RS Pro DDC Sensor

DDC Controls (Option)

The optional FHP factory mounted DDC Controller is preprogrammed and installed on the unit with the Unit Protection Module (UPM) to be job site ready. The unit will operate in a 100% stand-alone control mode or connect to a Building Automation System (BAS) using open protocols BACnet™, Modbus, N2 or LonWorks® (with an optional Lon card). Stand-alone DDC modules must use remote intelligent sensors and are to be programmed by the FHP BACview® controller only.

Zone temperatures and leaving water temperatures can be monitored from the central control computer and unit fault indication displayed.

Available inputs/outputs include:

- Leaving water temperature
- Fan run time
- Override time remaining
- Night setback status
- Percent of units cooling
- Percent of units heating
- Cooling set point
- Heating set point
- Status of all the alarms
- Occupied heating and cooling set points
- Command for occupied or unoccupied mode
- Command for override of the unoccupied mode (unit resorts to occupied set points)
- Set point adjustment

Additional Features

- 75VA transformer
- TXV
- Dual freeze sensor (with RMC)
- Remote reset at thermostat
- Fault LED indication
- Four-way reversing valve
- Filter drier

A BACview® handheld diagnostic tool is available to allow local access to display and modify user defined properties without any computer software. These space sensors will monitor, sense and provide local control for the room.

BACview® Handheld Diagnostic Tool

Water-To-Water Applications to Meet Every Need

Beyond using geothermal energy to help heat and cool your home or business, there are a number of innovative applications available. The WT Model provides almost limitless options for hydronic systems due to its two-stage compressor and high operating temperatures.

The WT and WW Model employs heat exchangers specifically designed for water heating applications, meaning increased efficiency and even greater cost savings for hydronic applications. The heat exchanger for WT is designed to adapt to the innovative two-stage compressor, so efficiency is maintained at all operating levels.

The FHP water-to-water heat pumps are specifically designed with these hydronic applications in mind. Whether heating your home or business or meeting your hot water needs, the FHP system will perform efficiently and reliably for years to come.

Radiators

The WT and WW Models, when coupled with additional equipment, can also be used to supplement the costly conventional electric or fossil fuel boilers used in radiator and fan coil heating systems. The high temperatures produced by the FHP systems offer immense cost savings and efficiencies over these traditional heating methods.

Domestic Hot Water

Hot water needs account for a large percentage of the energy a home or building consumes every year, and Bosch Thermotechnology Corp. customers know that our efficient technology can help support their hot water needs as well through the optional heat recovery package (Option, available on WT exclusively).

With the ultra efficient WT Model, you can have part of the system dedicated to your air conditioning and heating and another portion to supplement your current hot water heating system to meet the needs of your entire family.

Pool And Spa Heating

Recreational pools and spas have very high water heating demands, which can be met simply and efficiently with the energy produced by your WT and WW Model heat pump. This will allow you to offset the natural gas and other traditional fossil fuel sources used for these applications, and save you hundreds of dollars every season.

Please reference our installation manual or contact the FHP equipment representative for more information.

Additional Options

- 100VA transformer
- Compressor blanket
- EMS relay
- Phase monitor
  (Available on all sizes with voltage -3, -4, -5)
- Flow proving switch
- Wire to 208V (Available on all sizes with voltage -1, -3)
- Pump/valve relay
- Comfort alert (Available only 208-230/1 WT Model)

Heat Recovery Package (HRP)

(Exclusive only for WT Model)

HRP or desuperheater is a feature that takes advantage of waste heat of the compressor and uses it to heat domestic water. Heating your water with FREE waste heat will reduce the use of your inefficient water storage tank heating elements. Hot water is produced by using a double wall coaxial heat exchanger coil. The hot refrigerant gas flows in the outer tubing while the domestic water flows in the inner pipe being heated by the hot refrigerant. The HRP heats water with superheated gas that is being produced by the compressor as you heat or cool your space, thus saving you money in your hot water production.

2-Way Valve with Actuator

Subject to change without prior notice.

Flow Proving Switch
(Fluid Differential Pressure Switch)

Hose Kit

Flow Proving Switch (DPS)

The function of the low proving switch (differential pressure switch) is to prevent or stop compressor operation should the water supply fail. This will prevent the unit from locking out on a safety requiring a manual reset to restart. This will minimize any unneeded service calls and allow for your unit to be protected. This optional control is internally mounted and factory installed. The switch is piped between the water entering and leaving connections. Should the pressure drop across the water to refrigerant heat exchanger fall below set value, the switch will open de-energizing the compressor.

Energy Management Switch (EMS)

This switch allows you to connect to an energy management system that can turn the unit off and on. Energy management systems are commonly used by individual commercial entities to monitor, measure, and control their electrical building loads. Energy management systems can be used to centrally control devices like HVAC units and lighting systems across multiple commercial applications sites.

Accessories

Hose Kits

Hose kits are recommended between the unit and system loop piping. This will help eliminate the transmission of vibration and noise from the unit to the space. Hoses are fire rated fiber reinforced EPDM Stainless Steel braid hoses with swivel connections. Maximum working pressure 400 PSI for sizes ½" – 1" and 300 PSI for sizes 1 ¼" – 2". A variety of hose kits are available depending on the job requirement.

Kit 1 - Hoses only either 24" or 36" long.

Kit 2 - Hose kit 1 with ball valves on the supply and return hoses. Valves have P/T (pressure/temperature) ports to facilitate pressure and temperature readings.

Kit 3 - Hose kit 2 with an automatic flow control valve. The design flow rate is preset at the factory per the design conditions and will automatically limit the flow to this value. This will greatly facilitate balancing of the fluid loop and ensuring each unit gets the required flow.

Kit 4 - Hose kit 3 with a Y-strainer and blow down valve on the supply side. The filter screen is 20 mesh, 304 stainless steel to help prevent dirt and debris from entering the water coil.

Kit 5 - Hose kit 3 with a 24V, 2-position solenoid valve. This could be used to shut off flow to the unit when there is not a call for heating or cooling. A typical application would be with VFD pumping.

Kit 6 - Hose kit 4 with a 24V, 2-position solenoid valve.

Hose kit options are available in the accessories section of the BST selection software.

Systems

The WT and WW Models may be used in a variety of different applications depending on the system design. An overview of tower/boiler and geothermal systems is given below. There could be several variations and combinations of these systems.

Cooling Tower/Boiler Application

To assure adequate cooling and heating performance, the cooling tower and boiler fluid loop temperature should be maintained between 50° F to 100° F. In the cooling mode, heat is rejected from the unit into the condenser water loop. A cooling tower provides evaporative cooling to the loop water ; thus, maintaining a constant supply temperature to the unit. When utilizing an open cooling tower, chemical water treatment is mandatory to ensure the water is free of corrosive materials. A secondary heat exchanger (plate frame between the unit and the open cooling tower) may also be used. It is imperative that all air is eliminated from the closed loop side of the heat exchanger to prevent condenser fouling.

In the heating mode, heat is absorbed from the condenser water loop to the unit. A boiler can be utilized to maintain the loop within the proper temperature range. In milder climates a “flooded tower” concept is often used. This concept involves adding make -up water to the cooling tower sump to maintain the desired loop temperature. No unit should be connected to the supply or return piping until the water system has been completely cleaned and flushed to remove any dirt, piping chips or other foreign material. Supply and return hoses should be connected together during this process to ensure the entire system is properly flushed. After the cleaning and flushing has taken place, the unit may be connected to the water loop and should have all valves wide open.

Pressure/temperature ports are recommended in both the supply and return lines for system flow balancing. Water flow can be accurately set by measuring the refrigerant-to- water heat exchangers water side pressure drop. See specification sheets for water flow and pressure drop information.

Geothermal Systems

The earth has a tremendous capacity of storing thermal energy, which can be utilized to heat or cool a building.

A geothermal system offers all the benefits of a cooling tower and boiler system with the additional advantage of having overall greater energy efficiency. As the cost of energy increases, geothermal installations are becoming the system of choice by developers and design engineers.

There are several alternative methods of utilizing the energy contained in a geothermal system, giving the design engineer several options for selecting the one that is right for a particular application.

Earth Coupling Options

Ground Loop Systems (Closed Loop)

Lengths of high density polyethylene piping are buried in the earth either in vertical bore holes or horizontal trenches depending on the space available Fluid from the loop inside the building circulates through these pipes either rejecting heat to the ground when there is a net cooling requirement or absorbing heat from the ground when heating is the dominant requirement.

The temperature of the earth below 6 feet is relatively constant and is not affected by the ambient temperature. For this reason, the ground temperature is cooler than the summer ambient and warmer than the winter ambient in most regions. Geothermal systems are able

to operate effectively in extreme ambient conditions exceeding 100°F in summer and -30°F in winter. This is one of the reasons why geothermal systems have such an advantage over other systems. An additional advantage is that no fossil fuels are used, reducing the carbon emission of the building.

Even in areas which are cooling or heating dominant a hybrid system can be used with a downsized cooling tower or boiler. This system will reduce the installed cost significantly with only a modest impact on overall operating efficiency.

Geothermal systems may cost more to install but the savings in energy and low maintenance costs more than off set this with payback times typically five years or even less.

Vertical Ground Loop System

This method is used mainly in commercial buildings or where space for a loop field is limited. Vertical holes 100 to 400 feet deep are drilled in the ground, and a single loop of high density polyethylene pipe with a U-tube at the bottom is installed. The bore hole is then sealed with grout to ensure good contact for heat transfer with the soil. The size of the project will determine how many bore holes are required. The vertical ground loops are then connected to a horizontal header pipe that carries fluid to the building and circulated to each heat pump. The Earth's temperature is stable below the surface which is an advantage for this system and provides for the greater efficiency.

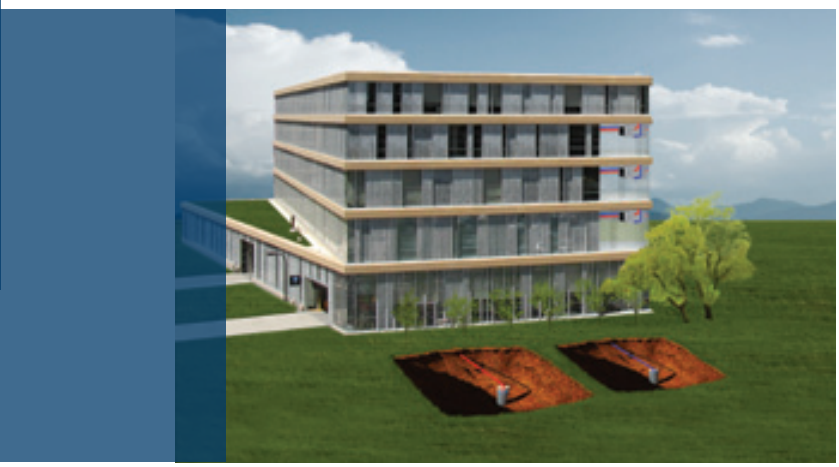
Vertical ground loop fields may be located under buildings or parking lots. The life expectancy is in excess of 50 years.

Horizontal Ground Loop System

This type is cost effective on smaller projects or where

pipes may be coiled in a slinky to fit more surface into a given amount of space. The lake needs to be a minimum size and depth depending on the building load. Lake loops have no adverse impact on the aquatic system. Specialized lake heat exchangers are also available for this application. New technology is emerging for stainless steel and titanium heat exchangers.

Well Water System



Water quantity should be plentiful, between 1.5 and 2.5 GPM per ton of cooling, and of good quality. To avoid the possibility of freezing the well water should be above 50˚F.

Water pressure must always be maintained in the heat exchanger by placing a water control valve on the outlet of the water-to-water unit. A bladder type expansion tank may be used to maintain pressure on the system.

Avoid using low voltage (24Volt) solenoids, using them may overload the unit transformer or interfere with the lock-out circuit. Line voltage solenoids connected across the load side (T1, T2) of the compressor contactor are preferred. Pilot operated or slow closing valves are recommended to reduce water hammer.

The discharge water from the water-to-water unit is not contaminated in any manner and can be disposed of in various ways depending on the local codes (i.e. discharge well, dry well, storm sewer, drain field, stream, pond, etc.)

Typical Unit Installations

Unit Location

The unit should be centrally located with respect to the distribution system. The unit should be installed in an indoor area that allows easy removal of the access panels, and has enough room for service personnel to perform maintenance or repair. Provide sufficient room to make fluid, and electrical connections. These units are not approved for outdoor installation; therefore, they must be installed inside the conditioned structure. Do not locate in areas that are subject to freezing.

When installing the Water-to-Water units, mounting level on a vibration absorbing pad slightly larger than the base to minimize vibration transmission to the building structure. It is not necessary to anchor the unit to the floor. For further instructions for unit installation or location refer to IOM.

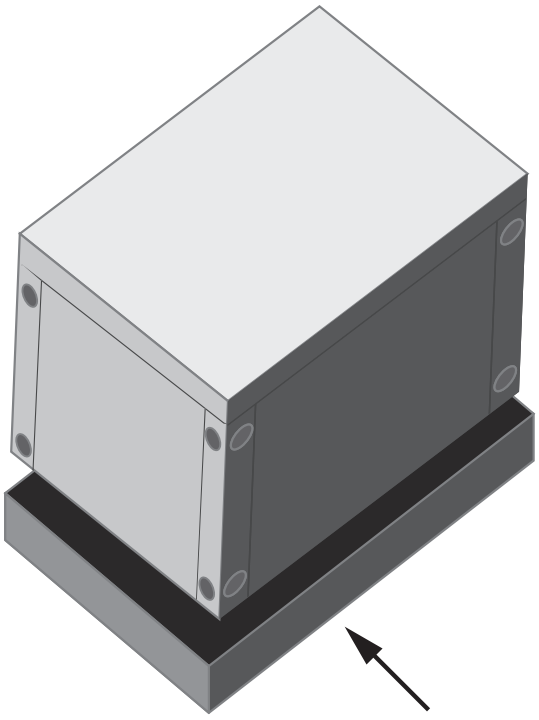


Figure 4

Adhere to local building codes.

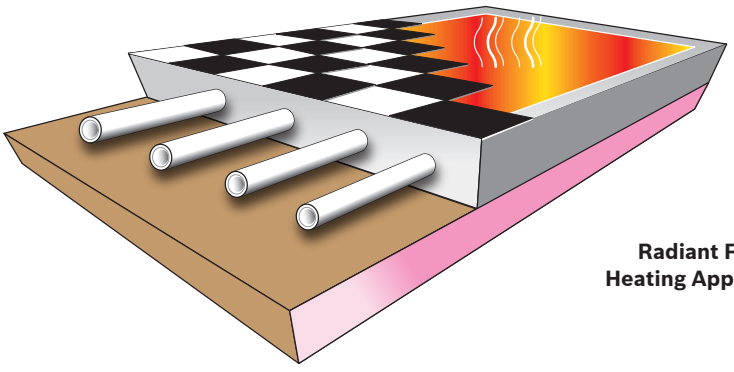
Typical Load Side Application

There are many load side applications for which the water- to-water heat pump/ liquid chiller is ideally suited.

Some typical uses are as follows

Hydronic baseboard heating, hydronic in-slab floor heating, forced air fan coil heating or cooling, ice and snow melting, heating potable water, (when allowed by code) heating swimming pool and spa*, process fluid heating or cooling.

When specifying load side fluid volume it is important to consider the heat pump output capacities and flow rates. Insufficient load side fluid volume may cause unstable heat pump operation (short cycling). Pressure/ temperature ports should be used to set flow rates. NOTE: A water-to-water series Heat Pump/ Liquid Chiller can be utilized for direct pool/spa heating without a secondary heat exchanger. In this application cupro-nickel heat exchangers must be used. Automatic chemical feeders must never be installed up stream of the unit. An external bypass should be installed to avoid overflowing the heat exchanger to prevent coil erosion. The pool pH levels and chemical balances must be maintained to void possible heat exchanger damage.



Radiant Floor Heating Application

Operating Limits

The water-to-water models are capable of operating over a wide range of conditions. For operation in a geothermal application or any other installation where the loop fluid temperature may drop below the ambient dew point, the extended range option is recommended. This consists of additional insulation on the piping to prevent condensation.

- Maximum and minimum fluid conditions are at unit rated flow rate.
- Maximum and minimum operating limits may not be combined. If one value is at either maximum or minimum, the other two should be at normal operating range.
- Entering fluid temperatures below 45° F in the heating mode require antifreeze.

To ensure that you get the optimal performance from your FHP heat pump it is important that they be selected accurately to match your design conditions.

Prior to making equipment selections the zone conditions need to be determined. Bosch Thermotechnology Corp. recommends using a building load program to determine the heating and cooling loads.

The catalog provides water conditions that will meet most applications. The unit performance can be determined by referring to the data tables from page 23 to 58.

Our Bosch Select Tools Selection Software (BST) is designed to provide you with a fast and accurate selection based on your specific conditions. This software is available through the commercial website. You may click on the BST link and request an account.

Unit Operating Limits—WT & WW Models

Operating Limits – Cooling & Heating	Source	Load
Cooling		
Minimum ambient air temperature °F	50	
Maximum ambient air temperature °F	110	
Minimum water coil entering fluid temperature °F	50	50
Water loop typical coil entering fluid range temperature °F	70-90	40-60
Maximum water coil entering fluid temperature °F	110	90
Heating		
Minimum ambient air temperature °F	50	
Maximum ambient air temperature °F	110	
Minimum water coil entering fluid temperature °F	50	50
Water loop typical coil entering fluid range temperature °F	70-90	40-60
Maximum water coil entering fluid temperature °F	110	90

*Antifreeze solution is required at these fluid temperatures.

NOTES: Minimum / maximum limits are only for start up conditions. Only one parameter out of these three: entering source temperature, entering load temperature, or flow rate is permissible at minimum or maximum conditions at the same time. Refer to the extended performance data tables to determine allowable operating limits.

Antifreeze Correction Data

Antifreeze Correction							
Antifreeze Type	Antifreeze %	Cooling			Heating		WPD Correction Factor EWT 30 °F
		Avg. Water Temp. 90 °F			Avg. Water Temp. 30 °F		
		Total Cap.	Sens. Cap	Power	Htg. Cap	Power	
Water	0	1.000	1.000	1.000	1.000	1.000	1.000
Propylene Glycol	5	0.997	0.997	1.004	0.989	0.997	1.060
	10	0.994	0.994	1.006	0.986	0.995	1.125
	15	0.990	0.990	1.009	0.978	0.988	1.190
	25	0.983	0.983	1.016	0.960	0.979	1.300
Methanol	5	0.997	0.997	1.003	0.990	0.997	1.060
	10	0.996	0.996	1.005	0.979	0.993	1.100
	15	0.994	0.994	1.008	0.970	0.990	1.140
Ethanol	5	0.998	0.998	1.002	0.981	0.994	1.160
	10	0.996	0.996	1.004	0.960	0.988	1.230
	15	0.992	0.992	1.006	0.944	0.983	1.280
	25	0.986	0.986	1.009	0.917	0.974	1.400
Ethylene Glycol	5	0.997	0.997	1.003	0.993	0.998	1.060
	10	0.995	0.995	1.004	0.986	0.996	1.120
	15	0.992	0.992	1.005	0.980	0.993	1.190
	25	0.988	0.988	1.009	0.970	0.990	1.330
	30	0.985	0.985	1.012	0.965	0.987	1.400

Subject to change without prior notice.

Waterside Pressure Drop – WT Model

Model	GPM	Chilled Fluid Side (55°F)		Cond. Fluid Side (85°F)	
		Pressure Drop (PSIG)	Pressure Drop (ft of H2O)	Pressure Drop (PSIG)	Pressure Drop (ft of H2O)
WT025	3.0	0.56	1.30	0.51	1.18
	4.0	0.95	2.18	0.86	1.98
	5.0	1.41	3.26	1.28	2.95
	6.0	1.96	4.52	1.78	4.10
	8.0	3.29	7.59	2.98	6.88
WT035	4.5	1.85	4.26	1.67	3.86
	6.0	3.10	7.14	2.81	6.47
	7.5	4.63	10.68	4.19	9.67
	9.0	6.43	14.82	5.82	13.43
	12.0	10.78	24.88	9.77	22.54
WT049	6.0	1.10	2.54	1.00	2.30
	8.0	1.85	4.26	1.67	3.86
	10.0	2.76	6.37	2.50	5.77
	12.0	3.83	8.85	3.47	8.01
	16.0	6.44	14.85	5.83	13.45
WT061	7.5	1.41	3.24	1.27	2.94
	10.0	2.36	5.44	2.14	4.93
	12.5	3.53	8.13	3.19	7.37
	15.0	4.89	11.29	4.43	10.23
	20.0	8.21	18.95	7.44	17.17
WT071	9.0	2.01	4.65	1.83	4.23
	12.0	3.38	7.80	3.08	7.10
	15.0	5.05	11.65	4.60	10.60
	18.0	7.01	16.18	6.38	14.72
	24.0	11.77	27.15	10.71	24.71

NOTE: All values based upon pure water at the indicated temperature

Waterside Pressure Drop – WW Model

Model	GPM	Chilled Fluid Side (55°F)		Cond. Fluid Side (85°F)	
		Pressure Drop (PSIG)	Pressure Drop (ft of H2O)	Pressure Drop (PSIG)	Pressure Drop (ft of H2O)
WW120	18.0	2.36	5.5	2.05	4.7
	22.0	3.39	7.8	2.94	6.8
	26.0	4.58	10.6	3.97	9.2
	30.0	5.93	13.7	5.14	11.9
	34.0	7.43	17.1	6.44	14.8
WW122	18.0	2.36	5.5	2.05	4.7
	22.0	3.39	7.8	2.94	6.8
	26.0	4.58	10.6	3.97	9.2
	30.0	5.93	13.7	5.14	11.9
	34.0	7.43	17.1	6.44	14.8
WW180	22.0	2.04	4.7	1.70	3.9
	26.0	2.75	6.3	2.29	5.3
	30.0	3.56	8.2	2.96	6.8
	34.0	4.46	10.3	3.71	8.6
	38.0	5.44	12.6	4.54	10.5
WW210	25.0	2.56	5.9	2.13	4.9
	30.0	3.56	8.2	2.96	6.8
	35.0	4.69	10.8	3.91	9.0
	40.0	5.97	13.8	4.98	11.5
	45.0	7.38	17.0	6.15	14.2
WW240	36.0	2.36	5.4	2.06	4.7
	44.0	3.39	7.8	2.95	6.8
	52.0	4.57	10.6	3.99	9.2
	60.0	5.92	13.7	5.16	11.9
	68.0	7.41	17.1	6.47	14.9
WW360	44.0	2.05	4.7	1.69	3.9
	52.0	2.77	6.4	2.29	5.3
	60.0	3.58	8.3	2.96	6.8
	68.0	4.48	10.3	3.71	8.6
	76.0	5.48	12.6	4.53	10.4
WW420	50.0	2.58	5.9	2.13	4.9
	60.0	3.58	8.3	2.96	6.8
	70.0	4.72	10.9	3.91	9.0
	80.0	6.01	13.9	4.97	11.5
	90.0	7.42	17.1	6.14	14.2

NOTE: All values based upon pure water at the indicated temperature

Capacity Data

WT025 – Part Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	3 GPM							4.5 GPM							6 GPM							
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	3	1.3 (0.6)	50	13.0	0.80	15.7	41.3	16.2	1.4	0.6	13.3	0.80	16.0	44.1	16.5	2.8	1.2	13.4	0.80	16.2	45.5	16.7	4.7	2.0
			60	14.9	0.81	17.7	50.0	18.5	1.3	0.6	15.3	0.81	18.1	53.2	18.9	2.7	1.2	15.5	0.81	18.2	54.8	19.1	4.6	2.0
			70	17.1	0.81	19.8	58.6	21.0	1.3	0.6	17.5	0.81	20.3	62.2	21.5	2.6	1.1	17.7	0.82	20.5	64.1	21.8	4.4	1.9
			80	19.4	0.82	22.2	67.1	23.6	1.2	0.5	19.9	0.82	22.7	71.1	24.3	2.6	1.1	20.2	0.82	23.0	73.3	24.6	4.3	1.9
			90	21.9	0.83	24.7	75.4	26.5	1.2	0.5	22.6	0.83	25.4	80.0	27.2	2.5	1.1	22.9	0.83	25.8	82.4	27.6	4.2	1.8
	4.5	2.4 (1.0)	50	13.1	0.78	15.7	41.3	16.7	1.4	0.6	13.3	0.78	16.0	44.1	17.0	2.8	1.2	13.5	0.78	16.2	45.5	17.2	4.7	2.0
			60	15.0	0.78	17.7	50.0	19.1	1.3	0.6	15.4	0.79	18.1	53.2	19.6	2.7	1.2	15.6	0.79	18.3	54.8	19.8	4.6	2.0
			70	17.2	0.79	19.9	58.5	21.8	1.3	0.6	17.6	0.79	20.3	62.2	22.4	2.6	1.1	17.9	0.79	20.6	64.0	22.7	4.4	1.9
			80	19.6	0.79	22.2	67.0	24.7	1.2	0.5	20.1	0.79	22.8	71.1	25.4	2.6	1.1	20.4	0.79	23.1	73.2	25.8	4.3	1.9
			90	22.1	0.79	24.8	75.3	27.8	1.2	0.5	22.8	0.80	25.5	79.9	28.7	2.5	1.1	23.2	0.80	25.9	82.3	29.1	4.2	1.8
	6	3.7 (1.6)	50	13.1	0.77	15.7	41.3	16.9	1.4	0.6	13.4	0.77	16.0	44.1	17.3	2.8	1.2	13.5	0.77	16.2	45.5	17.5	4.7	2.0
			60	15.1	0.77	17.7	50.0	19.5	1.3	0.6	15.4	0.77	18.1	53.1	19.9	2.7	1.2	15.6	0.77	18.3	54.8	20.2	4.6	2.0
			70	17.2	0.77	19.9	58.5	22.3	1.3	0.6	17.7	0.77	20.3	62.1	22.9	2.6	1.1	17.9	0.77	20.6	64.0	23.2	4.4	1.9
			80	19.6	0.78	22.3	66.9	25.3	1.2	0.5	20.2	0.78	22.8	71.0	26.0	2.6	1.1	20.5	0.78	23.1	73.2	26.4	4.3	1.9
			90	22.2	0.78	24.9	75.2	28.6	1.2	0.5	22.9	0.78	25.6	79.8	29.4	2.5	1.1	23.3	0.78	25.9	82.2	29.9	4.2	1.8
70	3	3.8 (1.6)	50	12.1	1.06	15.7	41.9	11.4	1.4	0.6	12.3	1.06	16.0	44.5	11.6	2.8	1.2	12.5	1.06	16.1	45.8	11.7	4.7	2.0
			60	13.9	1.07	17.5	50.8	13.0	1.3	0.6	14.2	1.07	17.8	53.7	13.2	2.7	1.2	14.3	1.07	18.0	55.2	13.4	4.6	2.0
			70	15.8	1.08	19.4	59.5	14.7	1.3	0.6	16.1	1.08	19.8	62.8	15.0	2.6	1.1	16.3	1.08	20.0	64.6	15.2	4.4	1.9
			80	17.9	1.08	21.6	68.1	16.5	1.2	0.5	18.3	1.08	22.0	71.9	16.9	2.6	1.1	18.6	1.09	22.3	73.8	17.1	4.3	1.9
			90	20.1	1.09	23.9	76.6	18.4	1.2	0.5	20.7	1.09	24.4	80.8	18.9	2.5	1.1	21.0	1.10	24.7	83.0	19.2	4.2	1.8
	4.5	1.2 (0.5)	50	12.2	1.04	15.8	41.9	11.7	1.4	0.6	12.4	1.04	16.0	44.5	12.0	2.8	1.2	12.6	1.04	16.1	45.8	12.1	4.7	2.0
			60	14.0	1.04	17.5	50.7	13.4	1.3	0.6	14.3	1.04	17.8	53.7	13.7	2.7	1.2	14.4	1.04	18.0	55.2	13.9	4.6	2.0
			70	15.9	1.04	19.5	59.4	15.3	1.3	0.6	16.3	1.05	19.9	62.8	15.6	2.6	1.1	16.5	1.05	20.1	64.5	15.8	4.4	1.9
			80	18.1	1.05	21.7	68.0	17.2	1.2	0.5	18.5	1.05	22.1	71.8	17.7	2.6	1.1	18.8	1.05	22.4	73.7	17.9	4.3	1.9
			90	20.4	1.05	24.0	76.4	19.3	1.2	0.5	21.0	1.06	24.6	80.7	19.9	2.5	1.1	21.3	1.06	24.9	82.9	20.1	4.2	1.8
	6	2.6 (1.1)	50	12.3	1.03	15.8	41.8	11.9	1.4	0.6	12.5	1.03	16.0	44.4	12.2	2.8	1.2	12.6	1.03	16.1	45.8	12.3	4.7	2.0
			60	14.0	1.03	17.6	50.6	13.7	1.3	0.6	14.3	1.03	17.9	53.6	14.0	2.7	1.2	14.5	1.03	18.0	55.2	14.1	4.6	2.0
			70	16.0	1.03	19.5	59.3	15.6	1.3	0.6	16.4	1.03	19.9	62.7	15.9	2.6	1.1	16.6	1.03	20.1	64.5	16.1	4.4	1.9
			80	18.2	1.03	21.7	67.9	17.6	1.2	0.5	18.6	1.03	22.2	71.7	18.0	2.6	1.1	18.9	1.03	22.4	73.7	18.3	4.3	1.9
			90	20.5	1.04	24.1	76.3	19.8	1.2	0.5	21.1	1.04	24.6	80.6	20.4	2.5	1.1	21.4	1.04	25.0	82.9	20.6	4.2	1.8
90	3	3.9 (1.7)	50	10.9	1.38	15.6	42.8	7.9	1.4	0.6	11.1	1.38	15.8	45.1	8.0	2.8	1.2	11.2	1.38	15.9	46.3	8.1	4.7	2.0
			60	12.4	1.38	17.2	51.7	9.0	1.3	0.6	12.7	1.38	17.4	54.4	9.2	2.7	1.2	12.8	1.38	17.5	55.7	9.3	4.6	2.0
			70	14.2	1.39	18.9	60.6	10.2	1.3	0.6	14.5	1.39	19.2	63.6	10.4	2.6	1.1	14.6	1.39	19.3	65.1	10.5	4.4	1.9
			80	16.1	1.39	20.8	69.3	11.5	1.2	0.5	16.4	1.40	21.2	72.7	11.8	2.6	1.1	16.6	1.40	21.4	74.5	11.9	4.3	1.9
			90	18.1	1.40	22.9	77.9	12.9	1.2	0.5	18.6	1.40	23.4	81.7	13.2	2.5	1.1	18.8	1.41	23.6	83.7	13.4	4.1	1.8
	4.5	2.7 (1.2)	50	11.0	1.35	15.6	42.7	8.2	1.4	0.6	11.2	1.35	15.8	45.0	8.3	2.8	1.2	11.3	1.35	15.9	46.2	8.4	4.7	2.0
			60	12.6	1.35	17.2	51.6	9.3	1.3	0.6	12.8	1.35	17.4	54.3	9.5	2.7	1.2	13.0	1.35	17.6	55.7	9.6	4.6	2.0
			70	14.3	1.35	19.0	60.4	10.6	1.3	0.6	14.6	1.35	19.3	63.5	10.8	2.6	1.1	14.8	1.35	19.4	65.1	11.0	4.4	1.9
			80	16.3	1.35	20.9	69.1	12.0	1.2	0.5	16.7	1.36	21.3	72.6	12.3	2.6	1.1	16.9	1.36	21.5	74.4	12.4	4.3	1.9
			90	18.4	1.36	23.0	77.7	13.5	1.2	0.5	18.9	1.36	23.5	81.6	13.9	2.5	1.1	19.1	1.36	23.7	83.6	14.0	4.1	1.8
	6	1.5 (0.6)	50	11.0	1.33	15.6	42.6	8.3	1.4	0.6	11.2	1.33	15.8	45.0	8.4	2.8	1.2	11.3	1.33	15.9	46.2	8.5	4.7	2.0
			60	12.7	1.33	17.2	51.6	9.5	1.3	0.6	12.9	1.33	17.5	54.3	9.7	2.7	1.2	13.0	1.33	17.6	55.7	9.8	4.6	2.0
			70	14.4	1.33	19.0	60.4	10.8	1.3	0.6	14.7	1.33	19.3	63.4	11.1	2.6	1.1	14.9	1.33	19.5	65.0	11.2	4.4	1.9
			80	16.4	1.34	20.9	69.1	12.3	1.2	0.5	16.8	1.34	21.3	72.5	12.6	2.6	1.1	17.0	1.34	21.5	74.3	12.7	4.3	1.9
			90	18.5	1.34	23.1	77.6	13.8	1.2	0.5	19.0	1.34	23.6	81.6	14.2	2.5	1.1	19.3	1.34	23.8	83.6	14.4	4.1	1.8
110	3	2.4 (1.0)	50	9.4	1.76	15.4	43.7	5.4	1.4	0.6	9.6	1.76	15.6	45.7	5.4	2.8	1.2	9.6	1.76	15.6	46.8	5.5	4.7	2.0
			60	10.8	1.76	16.8	52.8	6.2	1.3	0.6	11.0	1.76	17.0	55.1	6.3	2.7	1.2	11.1	1.76	17.1	56.3	6.3	4.6	2.0
			70	12.4	1.76	18.4	61.7	7.0	1.3	0.6	12.6	1.76	18.6	64.4	7.2	2.6	1.1	12.7	1.76	18.8	65.8	7.2	4.4	1.9
			80	14.1	1.77	20.1	70.6	8.0	1.2	0.5	14.4	1.77	20.4	73.6	8.1	2.6	1.1	14.5	1.77	20.6	75.2	8.2	4.3	1.8
			90	16.0	1.77	22.0	79.4	9.0	1.2	0.5	16.3	1.77	22.4	82.7	9.2	2.5	1.1	16.5	1.77	22.6	84.5	9.3	4.1	1.8
	4.5	4.1 (1.8)	50	9.6	1.72	15.4	43.6	5.6	1.4	0.6	9.7	1.72	15.6	45.7	5.6	2.8	1.2	9.8	1.72	15.7	46.7	5.7	4.7	2.0
			60	11.0	1.72	16.9	52.7	6.4	1.3	0.6	11.2	1.72	17.1	55.0	6.5	2.7	1.2	11.3	1.72	17.2	56.2	6.6	4.6	2.0
			70	12.6	1.72	18.4	61.6	7.3	1.3	0.6	12.8	1.72	18.7	64.3	7.5	2.6	1.1	12.9	1.72	18.8	65.7	7.5	4.4	1.9
			80	14.3	1.72	20.2	70.5	8.3	1.2	0.5	14.6	1.72	20.5	73.5	8.5	2.6	1.1	14.8	1.72	20.6	75.1	8.6	4.3	1.8
			90	16.2	1.72	22.1	79.2	9.4	1.2	0.5	16.6	1.72	22.5	82.6	9.6	2.5	1.1	16.8	1.72	22.7	84.4	9.7	4.1	1.8
	6	1.8 (0.8)	50	9.6	1.70	15.4	43.6	5.6	1.4	0.6	9.8	1.70	15.6	45.7	5.7	2.8	1.2	9.8	1.70	15.7	46.7	5.8	4.7	2.0
			60	11.1	1.70	16.9	52.6	6.5	1.3	0.6	11.3	1.70	17.1	55.0	6.6	2.7	1.2	11.4	1.70	17.2	56.2	6.7	4.6	2.0
			70	12.7	1.70	18.5	61.6	7.5	1.3	0.6	12.9	1.70	18.7	64.3	7.6	2.6	1.1	13.0	1.70	18.8	65.7	7.7	4.4	1.9
			80	14.4	1.70	20.2	70.4	8.5	1.2	0.5	14.7	1.70	20.5	73.4	8.7	2.6	1.1	14.9	1.70	20.7	75.0	8.8	4.3	1.8
			90	16.4	1.70	22.2	79.1	9.6	1.2	0.5	16.7	1.70	22.5	82.6	9.9	2.5	1.1	16.9	1.70	22.7	84.4	10.0	4.1	1.8

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WT025 – Part Load – Heating

Heating																									
				3 GPM							4.5 GPM							6 GPM							
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	3	0.6 (1.5)	60																					
			80	12.8	1.21	8.6	88.5	3.1	0.5	1.2	12.7	1.17	8.7	84.2	3.2	1.8	4.2	12.7	1.17	8.7	84.2	3.2	1.8	4.2
			100	12.9	1.56	7.6	108.6	2.4	0.5	1.1	12.9	1.51	7.7	104.3	2.5	1.7	4.0	12.9	1.51	7.7	104.3	2.5	1.7	4.0
			120	13.1	1.98	6.3	128.7	1.9	0.5	1.1	13.0	1.9	6.46	124.3	2.0	1.6	3.7	13.0	1.9	6.46	124.3	2.0	1.6	3.7
	4.5	1.3 (3.0)	60	12.7	0.92	9.6	68.5	4.0	0.6	1.3	12.7	0.89	9.6	64.2	4.2	1.9	4.5	12.7	0.89	9.6	64.2	4.2	1.9	4.5
			80	12.9	1.21	8.8	88.6	3.1	0.5	1.2	12.9	1.17	8.9	84.3	3.2	1.8	4.2	12.9	1.17	8.9	84.3	3.2	1.8	4.2
			100	13.0	1.56	7.7	108.6	2.4	0.5	1.1	13.0	1.51	7.8	104.3	2.5	1.7	4.0	13.0	1.51	7.8	104.3	2.5	1.7	4.0
			120	13.2	1.98	6.4	128.8	1.9	0.5	1.1	13.1	1.93	6.5	124.4	2.0	1.6	3.7	13.1	1.93	6.5	124.4	2.0	1.6	3.7
	6	2.2 (5.0)	60	12.8	0.92	9.6	68.5	4.1	0.6	1.3	12.7	0.89	9.7	64.2	4.2	1.9	4.5	12.7	0.89	9.7	64.2	4.2	1.9	4.5
			80	13.0	1.21	8.8	88.6	3.1	0.5	1.2	12.9	1.17	8.9	84.3	3.2	1.8	4.2	12.9	1.17	8.9	84.3	3.2	1.8	4.2
			100	13.0	1.56	7.7	108.7	2.5	0.5	1.1	13.0	1.51	7.8	104.3	2.5	1.7	4.0	13.0	1.51	7.8	104.3	2.5	1.7	4.0
			120	13.2	1.98	6.4	128.8	2.0	0.5	1.1	13.2	1.93	6.6	124.4	2.0	1.6	3.7	13.2	1.93	6.6	124.4	2.0	1.6	3.7
50	3	0.6 (1.4)	60	15.8	0.93	12.6	70.5	5.0	0.6	1.3	15.8	0.89	12.7	65.3	5.2	1.9	4.5	15.8	0.89	12.7	65.3	5.2	1.9	4.5
			80	15.7	1.21	11.5	90.4	3.8	0.5	1.2	15.7	1.17	11.7	85.2	3.9	1.8	4.2	15.7	1.17	11.7	85.2	3.9	1.8	4.2
			100	15.5	1.56	10.2	110.3	2.9	0.5	1.1	15.5	1.51	10.4	105.2	3.0	1.7	4.0	15.5	1.51	10.4	105.2	3.0	1.7	4.0
			120	15.4	1.98	8.7	130.3	2.3	0.5	1.1	15.4	1.92	8.9	125.1	2.4	1.6	3.7	15.4	1.92	8.9	125.1	2.4	1.6	3.7
	4.5	1.2 (2.8)	60	16.0	0.93	12.9	70.7	5.1	0.6	1.3	16.0	0.89	13.0	65.3	5.3	1.9	4.5	16.0	0.89	13.0	65.3	5.3	1.9	4.5
			80	15.9	1.21	11.7	90.6	3.8	0.5	1.2	15.9	1.17	11.9	85.3	4.0	1.8	4.2	15.9	1.17	11.9	85.3	4.0	1.8	4.2
			100	15.6	1.56	10.3	110.4	2.9	0.5	1.1	15.7	1.51	10.5	105.2	3.0	1.7	4.0	15.7	1.51	10.5	105.2	3.0	1.7	4.0
			120	15.6	1.98	8.8	130.4	2.3	0.5	1.1	15.5	1.92	9.0	125.2	2.4	1.6	3.7	15.5	1.92	9.0	125.2	2.4	1.6	3.7
	6	2.0 (4.7)	60	16.2	0.93	13.0	70.8	5.1	0.6	1.3	16.2	0.89	13.1	65.4	5.3	1.9	4.5	16.2	0.89	13.1	65.4	5.3	1.9	4.5
			80	16.0	1.21	11.8	90.7	3.9	0.5	1.2	16.0	1.17	12.0	85.3	4.0	1.8	4.2	16.0	1.17	12.0	85.3	4.0	1.8	4.2
			100	15.7	1.56	10.4	110.5	3.0	0.5	1.1	15.8	1.51	10.6	105.3	3.1	1.7	4.0	15.8	1.51	10.6	105.3	3.1	1.7	4.0
			120	15.6	1.98	8.9	130.4	2.3	0.5	1.1	15.6	1.92	9.1	125.2	2.4	1.6	3.7	15.6	1.92	9.1	125.2	2.4	1.6	3.7
70	3	0.6 (1.3)	60	19.7	0.94	16.5	73.1	6.1	0.6	1.3	19.7	0.90	16.7	66.6	6.5	1.9	4.5	19.7	0.90	16.7	66.6	6.5	1.9	4.5
			80	19.2	1.22	15.0	92.8	4.6	0.5	1.2	19.3	1.17	15.3	86.4	4.8	1.8	4.2	19.3	1.17	15.3	86.4	4.8	1.8	4.2
			100	18.6	1.57	13.3	112.4	3.5	0.5	1.1	18.7	1.51	13.6	106.2	3.6	1.7	3.9	18.7	1.51	13.6	106.2	3.6	1.7	3.9
			120	18.2	1.98	11.5	132.2	2.7	0.5	1.1	18.3	1.91	11.8	126.1	2.8	1.6	3.7	18.3	1.91	11.8	126.1	2.8	1.6	3.7
	4.5	1.1 (2.6)	60	20.1	0.94	16.9	73.4	6.3	0.6	1.3	20.2	0.90	17.1	66.7	6.6	1.9	4.5	20.2	0.90	17.1	66.7	6.6	1.9	4.5
			80	19.5	1.23	15.3	93.0	4.7	0.5	1.2	19.6	1.18	15.6	86.5	4.9	1.8	4.2	19.6	1.18	15.6	86.5	4.9	1.8	4.2
			100	18.9	1.57	13.6	112.6	3.5	0.5	1.1	19.0	1.51	13.8	106.3	3.7	1.7	3.9	19.0	1.51	13.8	106.3	3.7	1.7	3.9
			120	18.4	1.98	11.7	132.3	2.7	0.5	1.1	18.5	1.91	12.0	126.2	2.8	1.6	3.7	18.5	1.91	12.0	126.2	2.8	1.6	3.7
	6	1.9 (4.4)	60	20.3	0.94	17.1	73.5	6.3	0.6	1.3	20.4	0.90	17.3	66.8	6.7	1.9	4.5	20.4	0.90	17.3	66.8	6.7	1.9	4.5
			80	19.7	1.23	15.5	93.1	4.7	0.5	1.2	19.8	1.18	15.8	86.6	4.9	1.8	4.2	19.8	1.18	15.8	86.6	4.9	1.8	4.2
			100	19.0	1.57	13.7	112.7	3.6	0.5	1.1	19.1	1.51	14.0	106.4	3.7	1.7	3.9	19.1	1.51	14.0	106.4	3.7	1.7	3.9
			120	18.6	1.98	11.8	132.4	2.8	0.5	1.1	18.6	1.91	12.1	126.2	2.9	1.6	3.7	18.6	1.91	12.1	126.2	2.9	1.6	3.7
90	3	0.5 (1.2)	60	24.3	0.96	21.1	76.2	7.5	0.5	1.3	24.5	0.90	21.4	68.2	8.0	1.9	4.5	24.5	0.90	21.4	68.2	8.0	1.9	4.5
			80	23.4	1.24	19.2	95.6	5.5	0.5	1.2	23.6	1.18	19.6	87.9	5.9	1.8	4.2	23.6	1.18	19.6	87.9	5.9	1.8	4.2
			100	22.4	1.58	17.1	115.0	4.2	0.5	1.1	22.6	1.51	17.5	107.5	4.4	1.7	3.9	22.6	1.51	17.5	107.5	4.4	1.7	3.9
			120	21.7	1.98	14.9	134.4	3.2	0.5	1.1	21.8	1.90	15.3	127.3	3.4	1.6	3.7	21.8	1.90	15.3	127.3	3.4	1.6	3.7
	4.5	1.1 (2.5)	60	24.9	0.96	21.7	76.6	7.6	0.5	1.3	25.1	0.90	22.1	68.4	8.2	1.9	4.5	25.1	0.90	22.1	68.4	8.2	1.9	4.5
			80	23.9	1.24	19.7	95.9	5.6	0.5	1.2	24.1	1.18	20.1	88.0	6.0	1.8	4.2	24.1	1.18	20.1	88.0	6.0	1.8	4.2
			100	22.8	1.58	17.5	115.2	4.2	0.5	1.1	23.0	1.51	17.9	107.7	4.5	1.7	3.9	23.0	1.51	17.9	107.7	4.5	1.7	3.9
			120	22.0	1.98	15.2	134.7	3.2	0.5	1.1	22.1	1.90	15.6	127.4	3.4	1.6	3.7	22.1	1.90	15.6	127.4	3.4	1.6	3.7
	6	1.8 (4.1)	60	25.3	0.96	22.0	76.8	7.7	0.5	1.3	25.5	0.90	22.4	68.5	8.3	1.9	4.5	25.5	0.90	22.4	68.5	8.3	1.9	4.5
			80	24.2	1.24	19.9	96.1	5.7	0.5	1.2	24.4	1.18	20.4	88.1	6.0	1.8	4.2	24.4	1.18	20.4	88.1	6.0	1.8	4.2
			100	23.1	1.58	17.7	115.4	4.3	0.5	1.1	23.3	1.51	18.1	107.8	4.5	1.7	3.9	23.3	1.51	18.1	107.8	4.5	1.7	3.9
			120	22.1	1.98	15.4	134.8	3.3	0.5	1.1	22.3	1.90	15.8	127.4	3.4	1.6	3.7	22.3	1.90	15.8	127.4	3.4	1.6	3.7

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

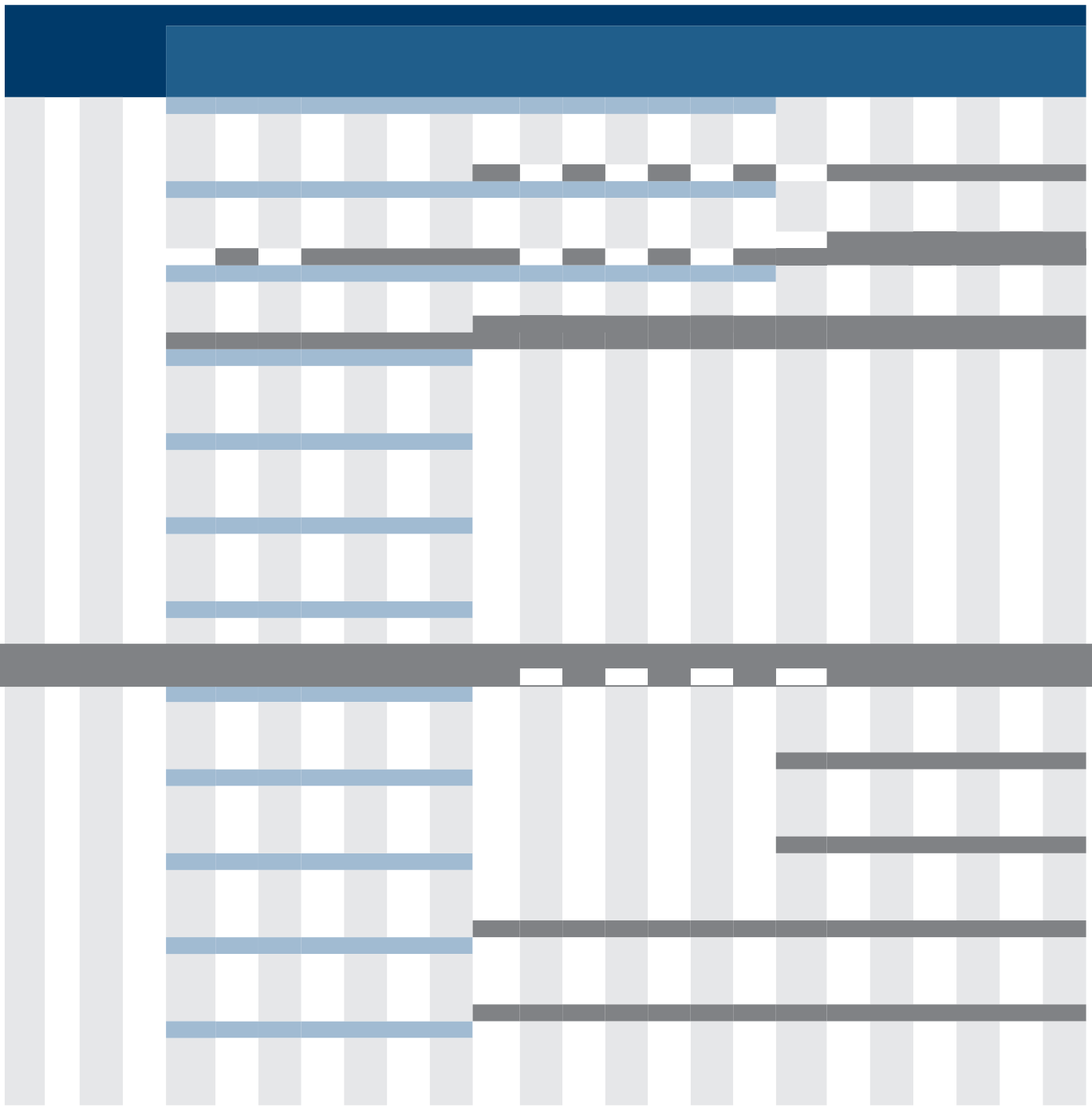
For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WT025 – Full Load – Cooling



Capacity Data

WT025 – Full Load – Heating

Heating																									
				3 GPM							4.5 GPM							6 GPM							
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	3	0.6 (1.5)	60																					
			80	18.4	1.50	13.3	92.3	3.6	0.5	1.2	18.4	1.44	13.5	86.1	3.8	1.8	4.2	18.4	1.44	13.5	86.1	3.8	1.8	4.2
			100	18.3	1.96	11.6	112.2	2.7	0.5	1.1	18.3	1.88	11.9	106.1	2.9	1.7	3.9	18.3	1.88	11.9	106.1	2.9	1.7	3.9
			120	18.4	2.55	9.7	132.3	2.1	0.5	1.1	18.4	2.4	10.03	126.1	2.2	1.6	3.7	18.4	2.4	10.03	126.1	2.2	1.6	3.7
	4.5	1.3 (3.0)	60	19.0	1.16	15.0	72.7	4.8	0.6	1.3	19.0	1.11	15.2	66.3	5.0	1.9	4.5	19.0	1.11	15.2	66.3	5.0	1.9	4.5
			80	18.7	1.50	13.6	92.5	3.7	0.5	1.2	18.8	1.44	13.9	86.3	3.8	1.8	4.2	18.8	1.44	13.9	86.3	3.8	1.8	4.2
			100	18.6	1.96	11.9	112.4	2.8	0.5	1.1	18.6	1.88	12.2	106.2	2.9	1.7	3.9	18.6	1.88	12.2	106.2	2.9	1.7	3.9
			120	18.6	2.54	9.9	132.4	2.1	0.5	1.1	18.6	2.44	10.2	126.2	2.2	1.6	3.7	18.6	2.44	10.2	126.2	2.2	1.6	3.7
	6	2.2 (5.0)	60	19.2	1.16	15.2	72.8	4.9	0.6	1.3	19.2	1.11	15.4	66.4	5.1	1.9	4.5	19.2	1.11	15.4	66.4	5.1	1.9	4.5
			80	18.9	1.50	13.8	92.6	3.7	0.5	1.2	18.9	1.44	14.0	86.3	3.9	1.8	4.2	18.9	1.44	14.0	86.3	3.9	1.8	4.2
			100	18.7	1.96	12.0	112.5	2.8	0.5	1.1	18.7	1.88	12.3	106.2	2.9	1.7	3.9	18.7	1.88	12.3	106.2	2.9	1.7	3.9
			120	18.7	2.54	10.0	132.5	2.2	0.5	1.1	18.7	2.44	10.4	126.2	2.2	1.6	3.7	18.7	2.44	10.4	126.2	2.2	1.6	3.7
50	3	0.6 (1.4)	60	23.8	1.19	19.7	75.9	5.8	0.5	1.3	23.9	1.14	20.0	68.0	6.1	1.9	4.5	23.9	1.14	20.0	68.0	6.1	1.9	4.5
			80	23.2	1.52	18.1	95.5	4.5	0.5	1.2	23.4	1.45	18.4	87.8	4.7	1.8	4.2	23.4	1.45	18.4	87.8	4.7	1.8	4.2
			100	22.7	1.96	16.0	115.1	3.4	0.5	1.1	22.8	1.87	16.4	107.6	3.6	1.7	3.9	22.8	1.87	16.4	107.6	3.6	1.7	3.9
			120	22.3	2.52	13.7	134.9	2.6	0.5	1.1	22.4	2.40	14.2	127.5	2.7	1.6	3.7	22.4	2.40	14.2	127.5	2.7	1.6	3.7
	4.5	1.2 (2.8)	60	24.5	1.20	20.4	76.3	6.0	0.5	1.3	24.6	1.15	20.7	68.2	6.3	1.9	4.5	24.6	1.15	20.7	68.2	6.3	1.9	4.5
			80	23.8	1.53	18.6	95.9	4.6	0.5	1.2	23.9	1.45	19.0	88.0	4.8	1.8	4.2	23.9	1.45	19.0	88.0	4.8	1.8	4.2
			100	23.2	1.96	16.5	115.5	3.5	0.5	1.1	23.3	1.87	16.9	107.8	3.7	1.7	3.9	23.3	1.87	16.9	107.8	3.7	1.7	3.9
			120	22.7	2.52	14.1	135.1	2.6	0.5	1.1	22.7	2.40	14.5	127.6	2.8	1.6	3.7	22.7	2.40	14.5	127.6	2.8	1.6	3.7
	6	2.0 (4.7)	60	24.8	1.20	20.7	76.5	6.1	0.5	1.3	25.0	1.15	21.0	68.3	6.4	1.9	4.5	25.0	1.15	21.0	68.3	6.4	1.9	4.5
			80	24.1	1.53	18.9	96.1	4.6	0.5	1.2	24.2	1.45	19.3	88.1	4.9	1.8	4.2	24.2	1.45	19.3	88.1	4.9	1.8	4.2
			100	23.4	1.96	16.7	115.6	3.5	0.5	1.1	23.5	1.87	17.2	107.8	3.7	1.7	3.9	23.5	1.87	17.2	107.8	3.7	1.7	3.9
			120	22.8	2.52	14.2	135.2	2.7	0.5	1.1	22.9	2.40	14.7	127.6	2.8	1.6	3.7	22.9	2.40	14.7	127.6	2.8	1.6	3.7
70	3	0.6 (1.3)	60	30.1	1.24	25.9	80.1	7.1	0.5	1.3	30.4	1.17	26.4	70.1	7.6	1.9	4.4	30.4	1.17	26.4	70.1	7.6	1.9	4.4
			80	29.2	1.57	23.8	99.4	5.4	0.5	1.2	29.4	1.48	24.3	89.8	5.8	1.8	4.2	29.4	1.48	24.3	89.8	5.8	1.8	4.2
			100	28.1	2.01	21.3	118.8	4.1	0.5	1.1	28.4	1.90	21.9	109.5	4.4	1.7	3.9	28.4	1.90	21.9	109.5	4.4	1.7	3.9
			120								27.4	2.43	19.1	129.1	3.3	1.6	3.7	27.4	2.43	19.1	129.1	3.3	1.6	3.7
	4.5	1.1 (2.6)	60	31.2	1.25	26.9	80.8	7.3	0.5	1.3	31.4	1.18	27.4	70.5	7.8	1.9	4.4	31.4	1.18	27.4	70.5	7.8	1.9	4.4
			80	30.1	1.58	24.7	100.0	5.6	0.5	1.2	30.3	1.49	25.3	90.1	6.0	1.8	4.2	30.3	1.49	25.3	90.1	6.0	1.8	4.2
			100	28.9	2.02	22.0	119.3	4.2	0.5	1.1	29.2	1.90	22.7	109.7	4.5	1.7	3.9	29.2	1.90	22.7	109.7	4.5	1.7	3.9
			120								28.0	2.43	19.7	129.3	3.4	1.6	3.7	28.0	2.43	19.7	129.3	3.4	1.6	3.7
	6	1.9 (4.4)	60	31.7	1.25	27.5	81.2	7.4	0.5	1.3	32.0	1.18	28.0	70.7	8.0	1.9	4.4	32.0	1.18	28.0	70.7	8.0	1.9	4.4
			80	30.5	1.59	25.1	100.4	5.6	0.5	1.2	30.9	1.49	25.8	90.3	6.1	1.8	4.2	30.9	1.49	25.8	90.3	6.1	1.8	4.2
			100	29.3	2.03	22.4	119.5	4.2	0.5	1.1	29.6	1.91	23.1	109.9	4.5	1.7	3.9	29.6	1.91	23.1	109.9	4.5	1.7	3.9
			120								28.3	2.44	20.0	129.4	3.4	1.6	3.7	28.3	2.44	20.0	129.4	3.4	1.6	3.7
90	3	0.5 (1.2)	60	37.7	1.30	33.2	85.1	8.5	0.5	1.2	38.1	1.20	34.0	72.7	9.3	1.9	4.4	38.1	1.20	34.0	72.7	9.3	1.9	4.4
			80	36.2	1.66	30.6	104.2	6.4	0.5	1.2	36.7	1.54	31.5	92.2	7.0	1.8	4.2	36.7	1.54	31.5	92.2	7.0	1.8	4.2
			100	34.7	2.12	27.5	123.1	4.8	0.5	1.1	35.2	1.97	28.4	111.7	5.2	1.7	3.9	35.2	1.97	28.4	111.7	5.2	1.7	3.9
			120															33.6	2.52	25.0	131.2	3.9	1.6	3.7
	4.5	1.1 (2.5)	60	39.3	1.31	34.8	86.2	8.8	0.5	1.2	39.8	1.21	35.7	73.3	9.7	1.9	4.4	39.8	1.21	35.7	73.3	9.7	1.9	4.4
			80	37.6	1.68	31.9	105.1	6.6	0.5	1.2	38.2	1.55	32.9	92.7	7.2	1.8	4.2	38.2	1.55	32.9	92.7	7.2	1.8	4.2
			100																					
			120																					
	6	1.8 (4.1)	60																					
			80																					
			100																					
			120																					

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WT035 – Part Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	4.5 GPM							6.75 GPM							9 GPM							
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	4.5	2.7 (1.2)	50	19.6	1.08	23.3	41.3	18.1	2.8	1.2	20.1	1.08	23.7	44.1	18.6	5.8	2.5	20.3	1.08	24.0	45.5	18.8	9.8	4.2
			60	22.9	1.06	26.5	49.8	21.5	2.7	1.2	23.5	1.06	27.1	53.0	22.2	5.7	2.5	23.8	1.06	27.4	54.7	22.5	9.5	4.1
			70	26.6	1.04	30.1	58.2	25.5	2.7	1.2	27.4	1.03	30.9	61.9	26.5	5.5	2.4	27.8	1.03	31.3	63.8	26.9	9.2	4.0
			80	30.6	1.01	34.0	66.4	30.4	2.6	1.1	31.6	1.00	35.0	70.6	31.7	5.3	2.3	32.1	0.99	35.5	72.9	32.4	8.9	3.8
			90																					
	6.75	5.0 (2.1)	50	19.6	1.06	23.3	41.3	18.6	2.8	1.2	20.1	1.05	23.7	44.0	19.1	5.9	2.5	20.4	1.05	24.0	45.5	19.4	9.8	4.2
			60	23.0	1.04	26.5	49.8	22.2	2.7	1.2	23.6	1.03	27.1	53.0	22.9	5.7	2.5	23.9	1.03	27.4	54.7	23.2	9.5	4.1
			70	26.7	1.01	30.1	58.1	26.5	2.7	1.2	27.5	1.00	30.9	61.9	27.4	5.5	2.4	27.9	1.00	31.3	63.8	28.0	9.2	4.0
			80	30.8	0.97	34.1	66.3	31.7	2.6	1.1	31.8	0.96	35.0	70.6	33.1	5.3	2.3	32.3	0.95	35.6	72.8	33.9	8.9	3.9
			90																					
	9	7.7 (3.3)	50	19.7	1.04	23.2	41.3	18.8	2.8	1.2	20.2	1.04	23.7	44.0	19.3	5.9	2.5	20.4	1.04	24.0	45.5	19.6	9.8	4.2
			60	23.0	1.02	26.5	49.8	22.5	2.7	1.2	23.6	1.02	27.1	53.0	23.2	5.7	2.5	24.0	1.02	27.4	54.7	23.6	9.5	4.1
			70	26.7	0.99	30.1	58.1	26.9	2.7	1.2	27.5	0.99	30.9	61.8	27.9	5.5	2.4	28.0	0.98	31.3	63.8	28.5	9.2	4.0
			80	30.8	0.95	34.1	66.3	32.3	2.6	1.1	31.9	0.94	35.1	70.6	33.8	5.3	2.3	32.4	0.94	35.6	72.8	34.6	8.9	3.9
			90																					
70	4.5	7.8 (3.4)	50	18.6	1.40	23.4	41.7	13.3	2.8	1.2	19.0	1.40	23.8	44.4	13.6	5.8	2.5	19.2	1.40	24.0	45.7	13.8	9.8	4.2
			60	21.7	1.39	26.5	50.3	15.7	2.7	1.2	22.3	1.38	27.0	53.4	16.1	5.7	2.4	22.6	1.38	27.3	55.0	16.4	9.5	4.1
			70	25.2	1.36	29.9	58.8	18.5	2.7	1.2	25.9	1.35	30.5	62.3	19.1	5.5	2.4	26.3	1.35	30.9	64.2	19.5	9.2	4.0
			80	29.0	1.33	33.5	67.1	21.9	2.6	1.1	29.9	1.32	34.4	71.1	22.7	5.3	2.3	30.4	1.31	34.9	73.2	23.2	8.9	3.8
			90	33.2	1.28	37.5	75.3	26.0	2.5	1.1														
	6.75	2.5 (1.1)	50	18.7	1.37	23.4	41.7	13.7	2.8	1.2	19.1	1.37	23.8	44.3	14.0	5.8	2.5	19.4	1.37	24.0	45.7	14.2	9.8	4.2
			60	21.9	1.35	26.5	50.3	16.2	2.7	1.2	22.4	1.35	27.0	53.3	16.7	5.7	2.4	22.7	1.34	27.3	54.9	16.9	9.5	4.1
			70	25.4	1.32	29.9	58.7	19.2	2.7	1.2	26.1	1.31	30.6	62.3	19.9	5.5	2.4	26.5	1.31	31.0	64.1	20.2	9.2	4.0
			80	29.2	1.28	33.6	67.0	22.8	2.6	1.1	30.2	1.27	34.5	71.1	23.7	5.3	2.3	30.6	1.26	35.0	73.2	24.2	8.9	3.8
			90	33.5	1.23	37.7	75.1	27.2	2.5	1.1														
	9	5.3 (2.3)	50	18.8	1.35	23.4	41.7	13.9	2.8	1.2	19.2	1.35	23.8	44.3	14.2	5.8	2.5	19.4	1.35	24.0	45.7	14.4	9.8	4.2
			60	22.0	1.33	26.5	50.2	16.5	2.7	1.2	22.5	1.33	27.1	53.3	17.0	5.7	2.4	22.8	1.33	27.3	54.9	17.2	9.5	4.1
			70	25.5	1.30	29.9	58.7	19.6	2.7	1.2	26.2	1.29	30.6	62.2	20.2	5.5	2.4	26.6	1.29	31.0	64.1	20.6	9.2	4.0
			80	29.4	1.26	33.7	67.0	23.3	2.6	1.1	30.3	1.25	34.5	71.0	24.3	5.3	2.3	30.8	1.24	35.0	73.2	24.8	8.9	3.8
			90	33.6	1.20	37.7	75.1	27.9	2.5	1.1														
90	4.5	8.1 (3.5)	50	17.0	1.82	23.2	42.5	9.3	2.8	1.2	17.3	1.82	23.6	44.9	9.5	5.8	2.5	17.5	1.82	23.7	46.1	9.6	9.8	4.2
			60	20.0	1.81	26.1	51.1	11.1	2.7	1.2	20.4	1.80	26.6	53.9	11.3	5.7	2.4	20.7	1.80	26.8	55.4	11.5	9.5	4.1
			70	23.2	1.78	29.3	59.7	13.1	2.7	1.1	23.8	1.77	29.9	62.9	13.4	5.5	2.4	24.2	1.77	30.2	64.6	13.7	9.2	4.0
			80	26.8	1.74	32.8	68.1	15.4	2.6	1.1	27.6	1.73	33.5	71.8	15.9	5.3	2.3	28.0	1.73	33.9	73.8	16.2	8.9	3.8
			90																					
	6.75	5.7 (2.5)	50	17.1	1.78	23.2	42.4	9.6	2.8	1.2	17.5	1.78	23.6	44.8	9.8	5.8	2.5	17.7	1.78	23.8	46.1	10.0	9.8	4.2
			60	20.2	1.76	26.2	51.0	11.5	2.7	1.2	20.7	1.76	26.6	53.9	11.8	5.7	2.4	20.9	1.75	26.9	55.4	11.9	9.5	4.1
			70	23.5	1.73	29.4	59.6	13.6	2.7	1.1	24.1	1.72	30.0	62.9	14.0	5.5	2.4	24.4	1.72	30.3	64.6	14.2	9.2	4.0
			80	27.1	1.68	32.9	67.9	16.1	2.6	1.1	27.9	1.67	33.6	71.7	16.7	5.3	2.3	28.3	1.67	34.0	73.7	17.0	8.9	3.8
			90																					
	9	3.1 (1.3)	50	17.2	1.76	23.2	42.3	9.8	2.8	1.2	17.6	1.76	23.6	44.8	10.0	5.8	2.5	17.8	1.76	23.8	46.0	10.1	9.8	4.2
			60	20.3	1.74	26.2	51.0	11.7	2.7	1.2	20.8	1.73	26.7	53.8	12.0	5.7	2.4	21.0	1.73	26.9	55.3	12.2	9.5	4.1
			70	23.6	1.70	29.4	59.5	13.9	2.7	1.1	24.2	1.70	30.0	62.8	14.3	5.5	2.4	24.6	1.69	30.3	64.5	14.5	9.2	4.0
			80	27.3	1.66	32.9	67.9	16.5	2.6	1.1	28.1	1.65	33.7	71.7	17.1	5.3	2.3	28.5	1.64	34.1	73.7	17.4	8.9	3.8
			90																					
110	4.5	5.0 (2.2)	50	14.6	2.38	22.7	43.5	6.1	2.8	1.2	14.9	2.38	23.0	45.6	6.3	5.8	2.5	15.1	2.38	23.2	46.7	6.3	9.8	4.2
			60	17.5	2.36	25.5	52.2	7.4	2.7	1.2	17.8	2.36	25.9	54.7	7.6	5.6	2.4	18.0	2.36	26.1	56.0	7.7	9.5	4.1
			70	20.5	2.33	28.5	60.9	8.8	2.6	1.1	21.1	2.33	29.0	63.8	9.1	5.5	2.4	21.3	2.32	29.2	65.3	9.2	9.2	4.0
			80	23.9	2.29	31.7	69.4	10.4	2.6	1.1	24.6	2.28	32.3	72.7	10.8	5.3	2.3	24.9	2.27	32.7	74.5	10.9	8.9	3.8
			90																					
	6.75	8.4 (3.7)	50	14.8	2.33	22.8	43.4	6.4	2.8	1.2	15.2	2.33	23.1	45.5	6.5	5.8	2.5	15.3	2.32	23.2	46.6	6.6	9.8	4.2
			60	17.7	2.30	25.6	52.1	7.7	2.7	1.2	18.1	2.30	26.0	54.6	7.9	5.6	2.4	18.3	2.30	26.2	55.9	8.0	9.5	4.1
			70	20.9	2.27	28.6	60.7	9.2	2.6	1.1	21.4	2.26	29.1	63.7	9.5	5.5	2.4	21.7	2.26	29.4	65.2	9.6	9.2	4.0
			80	24.3	2.22	31.9	69.2	11.0	2.6	1.1	25.0	2.21	32.5	72.6	11.3	5.3	2.3	25.3	2.20	32.8	74.4	11.5	8.9	3.8
			90																					
	9	3.8 (1.6)	50	15.0	2.30	22.8	43.4	6.5	2.8	1.2	15.3	2.30	23.1	45.5	6.6	5.8	2.5	15.4	2.30	23.3	46.6	6.7	9.8	4.2
			60	17.9	2.27	25.6	52.1	7.9	2.7	1.2	18.3	2.27	26.0	54.6	8.1	5.6	2.4	18.5	2.27	26.2	55.9	8.2	9.5	4.1
			70	21.0	2.23	28.6	60.7	9.4	2.6	1.1	21.6	2.23	29.2	63.6	9.7	5.5	2.4	21.8	2.22	29.4	65.1	9.8	9.2	4.0
			80	24.5	2.18	31.9	69.1	11.2	2.6	1.1	25.2	2.17	32.6	72.5	11.6	5.3	2.3	25.5	2.16	32.9	74.3	11.8	8.9	3.8
			90																					

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WT035 – Part Load – Heating

Heating																								
				4.5 GPM							6.75 GPM							9 GPM						
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	4.5	1.3 (3.0)	60	17.9	1.25	13.7	68.0	4.2	1.2	2.7	17.9	1.21	13.7	64.0	4.3	4.0	9.3	17.9	1.21	13.7	64.0	4.3	4.0	9.3
			80	18.1	1.61	12.6	88.0	3.3	1.1	2.5	18.1	1.57	12.7	84.0	3.4	3.8	8.7	18.1	1.57	12.7	84.0	3.4	3.8	8.7
			100	17.9	2.10	10.8	108.0	2.5	1.0	2.3	18.0	2.04	11.0	104.0	2.6	3.6	8.2	18.0	2.04	11.0	104.0	2.6	3.6	8.2
			120	17.6	2.74	8.2	127.8	1.9	1.0	2.2	17.6	2.7	8.50	123.9	1.9	3.4	7.8	17.6	2.7	8.50	123.9	1.9	3.4	7.8
	6.75	2.7 (6.3)	60	18.2	1.24	13.9	68.1	4.3	1.2	2.7	18.1	1.21	14.0	64.0	4.4	4.0	9.3	18.1	1.21	14.0	64.0	4.4	4.0	9.3
			80	18.3	1.61	12.8	88.1	3.3	1.1	2.5	18.3	1.57	13.0	84.1	3.4	3.8	8.7	18.3	1.57	13.0	84.1	3.4	3.8	8.7
			100	18.1	2.10	11.0	108.1	2.5	1.0	2.3	18.2	2.04	11.2	104.0	2.6	3.6	8.2	18.2	2.04	11.2	104.0	2.6	3.6	8.2
			120	17.7	2.74	8.4	127.9	1.9	1.0	2.2	17.8	2.67	8.7	123.9	1.9	3.4	7.8	17.8	2.67	8.7	123.9	1.9	3.4	7.8
	9	4.5 (10.5)	60	18.3	1.24	14.1	68.1	4.3	1.2	2.7	18.3	1.21	14.1	64.1	4.4	4.0	9.3	18.3	1.21	14.1	64.1	4.4	4.0	9.3
			80	18.4	1.61	12.9	88.2	3.4	1.1	2.5	18.4	1.57	13.1	84.1	3.4	3.8	8.7	18.4	1.57	13.1	84.1	3.4	3.8	8.7
			100	18.2	2.10	11.1	108.1	2.5	1.0	2.3	18.3	2.04	11.3	104.1	2.6	3.6	8.2	18.3	2.04	11.3	104.1	2.6	3.6	8.2
			120	17.8	2.74	8.4	127.9	1.9	1.0	2.2	17.8	2.67	8.7	124.0	2.0	3.4	7.8	17.8	2.67	8.7	124.0	2.0	3.4	7.8
50	4.5	1.2 (2.8)	60	23.4	1.23	19.2	70.4	5.6	1.1	2.7	23.4	1.19	19.3	65.2	5.8	4.0	9.3	23.4	1.19	19.3	65.2	5.8	4.0	9.3
			80	23.3	1.60	17.9	90.4	4.3	1.1	2.5	23.3	1.54	18.1	85.2	4.4	3.8	8.7	23.3	1.54	18.1	85.2	4.4	3.8	8.7
			100	23.0	2.08	15.9	110.2	3.2	1.0	2.3	23.0	2.01	16.2	105.1	3.4	3.6	8.2	23.0	2.01	16.2	105.1	3.4	3.6	8.2
			120	22.4	2.72	13.1	130.0	2.4	1.0	2.2	22.5	2.63	13.5	125.0	2.5	3.4	7.8	22.5	2.63	13.5	125.0	2.5	3.4	7.8
	6.75	2.5 (5.8)	60	23.8	1.23	19.6	70.6	5.7	1.1	2.6	23.8	1.19	19.8	65.3	5.9	4.0	9.3	23.8	1.19	19.8	65.3	5.9	4.0	9.3
			80	23.7	1.59	18.3	90.5	4.4	1.1	2.5	23.7	1.54	18.5	85.3	4.5	3.8	8.7	23.7	1.54	18.5	85.3	4.5	3.8	8.7
			100	23.3	2.08	16.2	110.4	3.3	1.0	2.3	23.4	2.01	16.5	105.2	3.4	3.6	8.2	23.4	2.01	16.5	105.2	3.4	3.6	8.2
			120	22.7	2.72	13.4	130.1	2.4	1.0	2.2	22.8	2.63	13.8	125.1	2.5	3.4	7.8	22.8	2.63	13.8	125.1	2.5	3.4	7.8
	9	4.2 (9.8)	60	24.0	1.23	19.9	70.7	5.7	1.1	2.6	24.0	1.19	20.0	65.3	5.9	4.0	9.3	24.0	1.19	20.0	65.3	5.9	4.0	9.3
			80	23.9	1.59	18.5	90.6	4.4	1.1	2.5	24.0	1.54	18.7	85.3	4.6	3.8	8.7	24.0	1.54	18.7	85.3	4.6	3.8	8.7
			100	23.5	2.08	16.4	110.4	3.3	1.0	2.3	23.6	2.01	16.7	105.2	3.4	3.6	8.2	23.6	2.01	16.7	105.2	3.4	3.6	8.2
			120	22.8	2.72	13.5	130.1	2.5	1.0	2.2	22.9	2.63	13.9	125.1	2.6	3.4	7.8	22.9	2.63	13.9	125.1	2.6	3.4	7.8
70	4.5	1.1 (2.7)	60	30.0	1.19	26.0	73.3	7.4	1.1	2.6	30.1	1.14	26.2	66.7	7.7	4.0	9.3	30.1	1.14	26.2	66.7	7.7	4.0	9.3
			80	29.6	1.56	24.3	93.2	5.6	1.1	2.5	29.7	1.49	24.6	86.6	5.8	3.8	8.7	29.7	1.49	24.6	86.6	5.8	3.8	8.7
			100	28.9	2.04	22.0	112.9	4.2	1.0	2.3	29.1	1.95	22.4	106.5	4.4	3.5	8.2	29.1	1.95	22.4	106.5	4.4	3.5	8.2
			120	28.0	2.67	18.9	132.4	3.1	1.0	2.2	28.2	2.56	19.4	126.3	3.2	3.4	7.7	28.2	2.56	19.4	126.3	3.2	3.4	7.7
	6.75	2.4 (5.5)	60	30.8	1.18	26.7	73.7	7.6	1.1	2.6	30.8	1.13	26.9	66.8	8.0	4.0	9.3	30.8	1.13	26.9	66.8	8.0	4.0	9.3
			80	30.3	1.55	25.0	93.4	5.7	1.1	2.5	30.4	1.48	25.3	86.7	6.0	3.8	8.7	30.4	1.48	25.3	86.7	6.0	3.8	8.7
			100	29.5	2.03	22.5	113.1	4.3	1.0	2.3	29.6	1.94	23.0	106.6	4.5	3.5	8.2	29.6	1.94	23.0	106.6	4.5	3.5	8.2
			120	28.4	2.66	19.4	132.6	3.1	1.0	2.2	28.6	2.55	19.9	126.4	3.3	3.4	7.7	28.6	2.55	19.9	126.4	3.3	3.4	7.7
	9	4.0 (9.2)	60	31.1	1.18	27.1	73.8	7.7	1.1	2.6	31.2	1.13	27.4	66.9	8.1	4.0	9.3	31.2	1.13	27.4	66.9	8.1	4.0	9.3
			80	30.6	1.55	25.3	93.6	5.8	1.1	2.5	30.7	1.48	25.7	86.8	6.1	3.8	8.7	30.7	1.48	25.7	86.8	6.1	3.8	8.7
			100	29.8	2.03	22.8	113.2	4.3	1.0	2.3	29.9	1.94	23.3	106.6	4.5	3.5	8.2	29.9	1.94	23.3	106.6	4.5	3.5	8.2
			120	28.7	2.66	19.6	132.7	3.2	1.0	2.2	28.9	2.55	20.2	126.4	3.3	3.4	7.7	28.9	2.55	20.2	126.4	3.3	3.4	7.7
90	4.5	1.1 (2.5)	60	37.9	1.11	34.2	76.9	10.0	1.1	2.6	38.1	1.04	34.5	68.5	10.7	4.0	9.3	38.1	1.04	34.5	68.5	10.7	4.0	9.3
			80	37.0	1.47	32.0	96.5	7.4	1.1	2.5	37.3	1.39	32.5	88.3	7.9	3.8	8.7	37.3	1.39	32.5	88.3	7.9	3.8	8.7
			100																					
			120																					
	6.75	2.2 (5.1)	60	39.1	1.09	35.3	77.4	10.5	1.1	2.6	39.3	1.03	35.8	68.7	11.2	4.0	9.3	39.3	1.03	35.8	68.7	11.2	4.0	9.3
			80																					
			100																					
			120																					
	9	3.7 (8.6)	60								39.9	1.02	36.4	68.9	11.5	4.0	9.3	39.9	1.02	36.4	68.9	11.5	4.0	9.3
			80																					
			100																					
			120																					

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WT035 – Full Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	4.5 GPM							6.75 GPM							9 GPM							
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	4.5	2.7 (1.2)	50	31.4	1.61	36.9	36.0	19.5	2.9	1.2	32.5	1.62	38.0	40.4	20.1	5.9	2.5	33.0	1.63	38.6	42.7	20.3	9.8	4.3
			60	36.0	1.66	41.6	44.0	21.7	2.8	1.2	37.3	1.67	43.0	48.9	22.3	5.7	2.5	38.0	1.68	43.8	51.5	22.7	9.5	4.1
			70	41.0	1.71	46.8	51.8	24.0	2.7	1.2	42.6	1.72	48.5	57.4	24.8	5.5	2.4	43.5	1.73	49.4	60.3	25.2	9.2	4.0
			80	46.4	1.75	52.3	59.4	26.5	2.6	1.1	48.4	1.77	54.4	65.7	27.4	5.4	2.3	49.5	1.78	55.6	69.0	27.9	8.9	3.9
			90	52.2	1.80	58.3	66.8	29.1	2.5	1.1	54.7	1.81	60.8	73.8	30.2	5.2	2.3							
	6.75	5.0 (2.1)	50	31.7	1.56	37.0	35.9	20.3	2.9	1.2	32.8	1.57	38.1	40.3	20.9	5.9	2.5	33.4	1.57	38.7	42.6	21.2	9.8	4.3
			60	36.3	1.60	41.8	43.9	22.7	2.8	1.2	37.7	1.61	43.2	48.8	23.4	5.7	2.5	38.4	1.62	44.0	51.5	23.8	9.5	4.1
			70	41.4	1.64	47.0	51.6	25.2	2.7	1.2	43.1	1.65	48.8	57.2	26.1	5.5	2.4	44.1	1.66	49.7	60.2	26.5	9.2	4.0
			80	46.9	1.68	52.7	59.1	27.9	2.6	1.1	49.0	1.69	54.8	65.5	29.0	5.4	2.3	50.2	1.70	56.0	68.8	29.6	9.0	3.9
			90																					
	9	7.7 (3.3)	50	31.8	1.53	37.1	35.9	20.7	2.9	1.2	32.9	1.54	38.2	40.2	21.3	5.9	2.5	33.5	1.55	38.8	42.6	21.6	9.8	4.3
			60	36.5	1.57	41.9	43.8	23.2	2.8	1.2	37.9	1.58	43.3	48.8	23.9	5.7	2.5	38.7	1.59	44.1	51.4	24.3	9.5	4.1
			70	41.6	1.61	47.1	51.5	25.9	2.7	1.2	43.4	1.62	48.9	57.1	26.8	5.5	2.4	44.3	1.63	49.9	60.2	27.3	9.2	4.0
			80	47.2	1.64	52.8	59.0	28.7	2.6	1.1	49.4	1.65	55.0	65.4	29.8	5.4	2.3	50.5	1.66	56.2	68.8	30.4	9.0	3.9
			90																					
70	4.5	7.8 (3.4)	50	29.2	2.01	36.0	37.0	14.5	2.9	1.2	30.1	2.02	37.0	41.1	14.9	5.9	2.5	30.6	2.03	37.5	43.2	15.1	9.8	4.3
			60	33.4	2.06	40.5	45.1	16.2	2.8	1.2	34.6	2.08	41.7	49.7	16.7	5.7	2.5	35.2	2.09	42.3	52.2	16.9	9.5	4.1
			70	38.1	2.12	45.3	53.1	18.0	2.7	1.2	39.5	2.13	46.8	58.3	18.5	5.5	2.4	40.3	2.14	47.6	61.0	18.8	9.2	4.0
			80	43.2	2.17	50.6	60.8	19.9	2.6	1.1	44.9	2.19	52.4	66.7	20.5	5.4	2.3	45.9	2.20	53.4	69.8	20.9	8.9	3.9
			90	48.6	2.22	56.2	68.4	21.9	2.5	1.1	50.8	2.24	58.4	75.0	22.7	5.2	2.2	51.9	2.25	59.6	78.5	23.1	8.7	3.8
	6.75	2.5 (1.1)	50	29.5	1.95	36.1	36.9	15.1	2.9	1.2	30.4	1.96	37.1	41.0	15.5	5.9	2.5	30.9	1.97	37.7	43.1	15.7	9.8	4.3
			60	33.9	2.00	40.7	45.0	17.0	2.8	1.2	35.1	2.01	41.9	49.6	17.5	5.7	2.5	35.7	2.01	42.6	52.1	17.7	9.5	4.1
			70	38.6	2.04	45.6	52.8	18.9	2.7	1.2	40.1	2.05	47.1	58.1	19.5	5.5	2.4	40.9	2.06	48.0	60.9	19.9	9.2	4.0
			80	43.8	2.08	50.9	60.5	21.0	2.6	1.1	45.6	2.10	52.8	66.5	21.7	5.4	2.3	46.6	2.11	53.8	69.6	22.2	8.9	3.9
			90	49.4	2.12	56.7	68.0	23.3	2.5	1.1	51.7	2.14	59.0	74.7	24.2	5.2	2.3	52.9	2.15	60.2	78.2	24.6	8.7	3.8
	9	5.3 (2.3)	50	29.6	1.92	36.2	36.8	15.4	2.9	1.2	30.6	1.93	37.2	40.9	15.8	5.9	2.5	31.1	1.94	37.7	43.1	16.1	9.8	4.3
			60	34.1	1.96	40.8	44.9	17.3	2.8	1.2	35.3	1.97	42.0	49.5	17.9	5.7	2.5	35.9	1.98	42.7	52.0	18.1	9.5	4.1
			70	38.9	2.00	45.7	52.7	19.4	2.7	1.2	40.4	2.02	47.3	58.0	20.0	5.5	2.4	41.2	2.02	48.1	60.8	20.4	9.2	4.0
			80	44.1	2.04	51.1	60.4	21.6	2.6	1.1	46.0	2.05	53.0	66.4	22.4	5.4	2.3	47.0	2.06	54.1	69.5	22.8	8.9	3.9
			90	49.8	2.08	56.9	67.9	24.0	2.5	1.1	52.1	2.09	59.2	74.6	24.9	5.2	2.3	53.4	2.10	60.5	78.1	25.5	8.7	3.8
90	4.5	8.1 (3.5)	50	26.5	2.54	35.2	38.2	10.5	2.8	1.2	27.3	2.55	36.0	41.9	10.7	5.9	2.5	27.7	2.56	36.4	43.8	10.8	9.8	4.3
			60	30.5	2.59	39.3	46.5	11.7	2.8	1.2	31.5	2.61	40.4	50.7	12.1	5.7	2.5	32.0	2.62	40.9	52.9	12.2	9.5	4.1
			70	34.8	2.65	43.8	54.5	13.1	2.7	1.2	36.0	2.67	45.1	59.3	13.5	5.5	2.4	36.6	2.68	45.8	61.9	13.7	9.2	4.0
			80	39.5	2.71	48.7	62.5	14.5	2.6	1.1	40.9	2.73	50.3	67.9	15.0	5.3	2.3	41.7	2.74	51.1	70.7	15.2	8.9	3.9
			90	44.5	2.77	53.9	70.2	16.1	2.5	1.1	46.3	2.79	55.8	76.3	16.6	5.2	2.2							
	6.75	5.7 (2.5)	50	26.9	2.46	35.3	38.0	10.9	2.8	1.2	27.7	2.47	36.1	41.8	11.2	5.9	2.5	28.1	2.47	36.6	43.7	11.4	9.8	4.3
			60	30.9	2.51	39.5	46.2	12.3	2.8	1.2	32.0	2.52	40.6	50.5	12.7	5.7	2.5	32.5	2.52	41.1	52.8	12.9	9.5	4.1
			70	35.4	2.56	44.1	54.3	13.8	2.7	1.2	36.6	2.57	45.4	59.1	14.3	5.5	2.4	37.3	2.57	46.1	61.7	14.5	9.2	4.0
			80	40.2	2.60	49.0	62.1	15.4	2.6	1.1	41.7	2.62	50.7	67.6	16.0	5.3	2.3	42.6	2.62	51.5	70.5	16.2	8.9	3.9
			90	45.4	2.65	54.4	69.8	17.1	2.5	1.1	47.3	2.66	56.4	76.0	17.8	5.2	2.2							
	9	3.1 (1.3)	50	27.1	2.42	35.3	38.0	11.2	2.8	1.2	27.9	2.43	36.2	41.7	11.5	5.9	2.5	28.3	2.44	36.6	43.7	11.6	9.8	4.3
			60	31.2	2.46	39.6	46.1	12.7	2.8	1.2	32.2	2.47	40.7	50.5	13.0	5.7	2.5	32.8	2.48	41.2	52.7	13.2	9.5	4.1
			70	35.7	2.51	44.2	54.2	14.2	2.7	1.2	36.9	2.52	45.5	59.1	14.7	5.5	2.4	37.6	2.52	46.3	61.6	14.9	9.2	4.0
			80	40.5	2.55	49.2	62.0	15.9	2.6	1.1	42.1	2.56	50.9	67.5	16.4	5.3	2.3	43.0	2.57	51.8	70.4	16.7	8.9	3.9
			90	45.8	2.59	54.6	69.6	17.7	2.5	1.1	47.8	2.60	56.6	75.8	18.4	5.2	2.2							
110	4.5	5.0 (2.2)	50	23.4	3.25	34.5	39.6	7.2	2.8	1.2	24.0	3.26	35.2	42.9	7.4	5.9	2.5	24.4	3.27	35.5	44.6	7.5	9.8	4.2
			60	27.0	3.31	38.3	48.0	8.2	2.8	1.2	27.8	3.33	39.1	51.8	8.4	5.7	2.5	28.2	3.33	39.6	53.7	8.5	9.5	4.1
			70	30.9	3.37	42.4	56.3	9.2	2.7	1.2	31.9	3.39	43.5	60.5	9.4	5.5	2.4	32.4	3.40	44.0	62.8	9.5	9.2	4.0
			80	35.2	3.44	46.9	64.4	10.2	2.6	1.1	36.4	3.46	48.2	69.2	10.5	5.3	2.3	37.0	3.46	48.8	71.8	10.7	8.9	3.9
			90	39.8	3.50	51.7	72.3	11.4	2.5	1.1														
	6.75	8.4 (3.7)	50	23.8	3.15	34.6	39.4	7.6	2.8	1.2	24.5	3.16	35.3	42.7	7.8	5.9	2.5	24.8	3.16	35.6	44.5	7.9	9.8	4.2
			60	27.5	3.20	38.5	47.8	8.6	2.8	1.2	28.4	3.21	39.3	51.6	8.8	5.7	2.5	28.8	3.21	39.8	53.6	9.0	9.5	4.1
			70	31.6	3.25	42.7	56.0	9.7	2.7	1.2	32.6	3.26	43.7	60.3	10.0	5.5	2.4	33.2	3.26	44.3	62.6	10.2	9.2	4.0
			80	36.0	3.30	47.2	64.0	10.9	2.6	1.1	37.2	3.31	48.5	69.0	11.3	5.3	2.3	37.9	3.32	49.2	71.6	11.4	8.9	3.9
			90	40.7	3.34	52.1	71.9	12.2	2.5	1.1														
	9	3.8 (1.6)	50	24.1	3.10	34.6	39.3	7.8	2.8	1.2	24.7	3.11	35.3	42.7	8.0	5.9	2.5	25.1	3.11	35.7	44.4	8.1	9.8	4.2
			60	27.8	3.14	38.5	47.6	8.9	2.8	1.2	28.6	3.15	39.4	51.5	9.1	5.7	2.5	29.1	3.15	39.9	53.5	9.2	9.5	4.1
			70	31.9	3.18	42.8	55.8	10.0	2.7	1.2	33.0	3.19	43.9	60.2	10.3	5.5	2.4	33.5	3.20	44.4	62.6	10.5	9.2	4.0
			80	36.4	3.23	47.4	63.8	11.3	2.6	1.1	37.7	3.24	48.7	68.8	11.6	5.3	2.3	38.4	3.24	49.4	71.5	11.8	8.9	3.9
			90	41.2	3.27	52.4	71.7	12.6	2.5	1.1														

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WT035 – Full Load – Heating

Heating																									
				4.5 GPM							6.75 GPM							9 GPM							
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	4.5	1.3 (3.0)	60																					
			80	28.0	2.16	20.7	92.5	3.8	1.1	2.5	28.1	2.08	21.0	86.2	4.0	3.8	8.7	28.1	2.08	21.0	86.2	4.0	3.8	8.7
			100	27.8	2.77	18.4	112.4	2.9	1.0	2.3	27.9	2.66	18.8	106.2	3.1	3.5	8.2	27.9	2.66	18.8	106.2	3.1	3.5	8.2
			120	28.0	3.61	15.7	132.4	2.3	1.0	2.2	27.9	3.5	16.13	126.2	2.4	3.4	7.7	27.9	3.5	16.13	126.2	2.4	3.4	7.7
	6.75	2.7 (6.3)	60	29.1	1.71	23.2	72.9	5.0	1.1	2.6	29.1	1.65	23.5	66.5	5.2	4.0	9.3	29.1	1.65	23.5	66.5	5.2	4.0	9.3
			80	28.6	2.16	21.2	92.7	3.9	1.1	2.5	28.7	2.08	21.6	86.4	4.0	3.8	8.7	28.7	2.08	21.6	86.4	4.0	3.8	8.7
			100	28.3	2.77	18.8	112.6	3.0	1.0	2.3	28.3	2.66	19.2	106.3	3.1	3.5	8.2	28.3	2.66	19.2	106.3	3.1	3.5	8.2
			120	28.3	3.61	16.0	132.6	2.3	1.0	2.2	28.3	3.46	16.5	126.3	2.4	3.4	7.7	28.3	3.46	16.5	126.3	2.4	3.4	7.7
	9	4.5 (10.5)	60	29.4	1.71	23.5	73.1	5.0	1.1	2.6	29.5	1.65	23.8	66.6	5.2	4.0	9.3	29.5	1.65	23.8	66.6	5.2	4.0	9.3
			80	28.9	2.17	21.5	92.8	3.9	1.1	2.5	28.9	2.08	21.8	86.4	4.1	3.8	8.7	28.9	2.08	21.8	86.4	4.1	3.8	8.7
			100	28.5	2.78	19.0	112.7	3.0	1.0	2.3	28.6	2.67	19.5	106.3	3.1	3.5	8.2	28.6	2.67	19.5	106.3	3.1	3.5	8.2
			120	28.5	3.61	16.2	132.7	2.3	1.0	2.2	28.5	3.46	16.7	126.3	2.4	3.4	7.7	28.5	3.46	16.7	126.3	2.4	3.4	7.7
50	4.5	1.2 (2.8)	60	36.5	1.80	30.3	76.2	5.9	1.1	2.6	36.6	1.72	30.8	68.1	6.3	4.0	9.3	36.6	1.72	30.8	68.1	6.3	4.0	9.3
			80	35.6	2.26	27.9	95.8	4.6	1.1	2.5	35.8	2.15	28.4	87.9	4.9	3.8	8.7	35.8	2.15	28.4	87.9	4.9	3.8	8.7
			100	34.8	2.87	25.0	115.5	3.6	1.0	2.3	35.0	2.73	25.6	107.8	3.7	3.5	8.2	35.0	2.73	25.6	107.8	3.7	3.5	8.2
			120	34.3	3.70	21.7	135.2	2.7	1.0	2.2	34.4	3.52	22.4	127.6	2.9	3.3	7.7	34.4	3.52	22.4	127.6	2.9	3.3	7.7
	6.75	2.5 (5.8)	60	37.5	1.81	31.3	76.7	6.1	1.1	2.6	37.7	1.73	31.8	68.4	6.4	4.0	9.3	37.7	1.73	31.8	68.4	6.4	4.0	9.3
			80	36.5	2.27	28.8	96.2	4.7	1.1	2.5	36.7	2.16	29.3	88.2	5.0	3.8	8.7	36.7	2.16	29.3	88.2	5.0	3.8	8.7
			100	35.6	2.88	25.7	115.8	3.6	1.0	2.3	35.7	2.74	26.4	107.9	3.8	3.5	8.2	35.7	2.74	26.4	107.9	3.8	3.5	8.2
			120	34.9	3.71	22.2	135.5	2.8	1.0	2.2	35.0	3.53	22.9	127.8	2.9	3.3	7.7	35.0	3.53	22.9	127.8	2.9	3.3	7.7
	9	4.2 (9.8)	60	38.1	1.82	31.9	76.9	6.1	1.1	2.6	38.3	1.73	32.4	68.5	6.5	4.0	9.3	38.3	1.73	32.4	68.5	6.5	4.0	9.3
			80	37.0	2.27	29.2	96.4	4.8	1.1	2.5	37.2	2.17	29.8	88.3	5.0	3.8	8.7	37.2	2.17	29.8	88.3	5.0	3.8	8.7
			100	35.9	2.88	26.1	116.0	3.7	1.0	2.3	36.1	2.75	26.8	108.0	3.9	3.5	8.2	36.1	2.75	26.8	108.0	3.9	3.5	8.2
			120	35.2	3.72	22.5	135.6	2.8	1.0	2.2	35.3	3.53	23.2	127.8	2.9	3.3	7.7	35.3	3.53	23.2	127.8	2.9	3.3	7.7
70	4.5	1.1 (2.7)	60	46.1	1.90	39.6	80.5	7.1	1.1	2.6	46.4	1.80	40.3	70.3	7.6	4.0	9.2	46.4	1.80	40.3	70.3	7.6	4.0	9.2
			80	44.6	2.37	36.5	99.8	5.5	1.1	2.4	45.0	2.24	37.3	90.0	5.9	3.7	8.7	45.0	2.24	37.3	90.0	5.9	3.7	8.7
			100	43.1	2.99	32.9	119.2	4.2	1.0	2.3	43.5	2.82	33.8	109.7	4.5	3.5	8.1	43.5	2.82	33.8	109.7	4.5	3.5	8.1
			120								42.1	3.61	29.8	129.4	3.4	3.3	7.7	42.1	3.61	29.8	129.4	3.4	3.3	7.7
	6.75	2.4 (5.5)	60	47.7	1.92	41.1	81.2	7.3	1.1	2.6	48.1	1.81	41.9	70.7	7.8	4.0	9.2	48.1	1.81	41.9	70.7	7.8	4.0	9.2
			80	46.0	2.38	37.8	100.4	5.7	1.1	2.4	46.4	2.25	38.7	90.3	6.0	3.7	8.6	46.4	2.25	38.7	90.3	6.0	3.7	8.6
			100	44.3	3.00	34.0	119.7	4.3	1.0	2.3	44.7	2.83	35.0	109.9	4.6	3.5	8.1	44.7	2.83	35.0	109.9	4.6	3.5	8.1
			120								43.1	3.62	30.7	129.6	3.5	3.3	7.7	43.1	3.62	30.7	129.6	3.5	3.3	7.7
	9	4.0 (9.2)	60	48.5	1.92	42.0	81.6	7.4	1.1	2.6	49.0	1.82	42.8	70.9	7.9	4.0	9.2	49.0	1.82	42.8	70.9	7.9	4.0	9.2
			80	46.7	2.39	38.5	100.8	5.7	1.1	2.4	47.2	2.26	39.5	90.5	6.1	3.7	8.6	47.2	2.26	39.5	90.5	6.1	3.7	8.6
			100	44.9	3.01	34.6	119.9	4.4	1.0	2.3	45.3	2.84	35.7	110.1	4.7	3.5	8.1	45.3	2.84	35.7	110.1	4.7	3.5	8.1
			120								43.6	3.62	31.2	129.7	3.5	3.3	7.7	43.6	3.62	31.2	129.7	3.5	3.3	7.7
90	4.5	1.1 (2.5)	60	57.3	2.00	50.5	85.5	8.4	1.1	2.6	58.0	1.87	51.6	72.9	9.1	4.0	9.2	58.0	1.87	51.6	72.9	9.1	4.0	9.2
			80	55.1	2.48	46.6	104.5	6.5	1.1	2.4	55.8	2.31	47.9	92.4	7.1	3.7	8.6	55.8	2.31	47.9	92.4	7.1	3.7	8.6
			100	52.8	3.11	42.2	123.5	5.0	1.0	2.3	53.5	2.90	43.6	111.9	5.4	3.5	8.1	53.5	2.90	43.6	111.9	5.4	3.5	8.1
			120								51.3	3.69	38.7	131.4	4.1	3.3	7.7	51.3	3.69	38.7	131.4	4.1	3.3	7.7
	6.75	2.2 (5.1)	60	59.7	2.02	52.8	86.5	8.7	1.1	2.6	60.5	1.88	54.1	73.4	9.4	4.0	9.2	60.5	1.88	54.1	73.4	9.4	4.0	9.2
			80	57.1	2.50	48.6	105.4	6.7	1.1	2.4	58.0	2.33	50.0	92.9	7.3	3.7	8.6	58.0	2.33	50.0	92.9	7.3	3.7	8.6
			100								55.3	2.91	45.4	112.3	5.6	3.5	8.1	55.3	2.91	45.4	112.3	5.6	3.5	8.1
			120																					
	9	3.7 (8.6)	60	61.0	2.02	54.0	87.1	8.8	1.1	2.6	61.8	1.88	55.4	73.7	9.6	4.0	9.2	61.8	1.88	55.4	73.7	9.6	4.0	9.2
			80								59.1	2.33	51.2	93.1	7.4	3.7	8.6	59.1	2.33	51.2	93.1	7.4	3.7	8.6
			100																					
			120																					

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WT049 – Part Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	6 GPM							9 GPM							12 GPM							
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	6	3.1 (1.3)	50	27.3	1.41	32.1	40.9	19.4	3.2	1.4	27.9	1.40	32.7	43.8	19.9	6.6	2.8	28.3	1.40	33.1	45.3	20.2	11.0	4.8
			60	31.8	1.39	36.5	49.4	23.0	3.1	1.3	32.7	1.38	37.4	52.7	23.7	6.4	2.8	33.2	1.38	37.9	54.5	24.1	10.6	4.6
			70	36.9	1.36	41.5	57.7	27.2	3.0	1.3	38.0	1.35	42.6	61.6	28.2	6.2	2.7	38.6	1.34	43.2	63.6	28.7	10.3	4.5
			80	42.4	1.31	46.9	65.9	32.4	2.9	1.3	43.9	1.30	48.3	70.2	33.8	6.0	2.6	44.7	1.29	49.1	72.6	34.6	10.0	4.3
			90																					
	9	5.6 (2.4)	50	27.4	1.37	32.1	40.9	20.0	3.2	1.4	28.1	1.37	32.7	43.8	20.5	6.6	2.8	28.4	1.37	33.1	45.3	20.8	11.0	4.8
			60	32.0	1.35	36.6	49.3	23.8	3.1	1.3	32.9	1.34	37.5	52.7	24.5	6.4	2.8	33.4	1.34	37.9	54.4	24.9	10.6	4.6
			70	37.1	1.31	41.6	57.6	28.3	3.0	1.3	38.3	1.30	42.7	61.5	29.4	6.2	2.7	38.9	1.30	43.3	63.5	30.0	10.3	4.5
			80	42.8	1.26	47.1	65.7	33.9	2.9	1.3	44.2	1.25	48.5	70.2	35.5	6.0	2.6	45.0	1.24	49.3	72.5	36.4	10.0	4.3
			90																					
	12	8.6 (3.7)	50	27.4	1.35	32.1	40.9	20.3	3.2	1.4	28.1	1.35	32.7	43.7	20.8	6.6	2.8	28.5	1.35	33.1	45.3	21.1	11.0	4.8
			60	32.1	1.33	36.6	49.3	24.2	3.1	1.3	33.0	1.32	37.5	52.7	25.0	6.4	2.8	33.4	1.32	37.9	54.4	25.4	10.6	4.6
			70	37.2	1.29	41.6	57.6	28.9	3.0	1.3	38.4	1.28	42.7	61.5	30.1	6.2	2.7	39.0	1.27	43.4	63.5	30.7	10.3	4.5
			80	42.9	1.23	47.1	65.7	34.8	2.9	1.3	44.4	1.22	48.6	70.1	36.4	6.0	2.6							
			90																					
70	6	8.8 (3.8)	50	25.5	1.85	31.8	41.5	13.8	3.2	1.4	26.1	1.85	32.4	44.2	14.1	6.6	2.8	26.4	1.85	32.7	45.6	14.3	11.0	4.8
			60	29.7	1.83	36.0	50.1	16.2	3.1	1.3	30.5	1.83	36.7	53.2	16.7	6.4	2.8	30.9	1.83	37.1	54.8	16.9	10.6	4.6
			70	34.4	1.81	40.6	58.5	19.1	3.0	1.3	35.4	1.80	41.6	62.1	19.7	6.2	2.7	36.0	1.80	42.1	64.0	20.0	10.3	4.5
			80	39.6	1.76	45.7	66.8	22.5	2.9	1.3	40.9	1.75	46.9	70.9	23.3	6.0	2.6	41.5	1.75	47.5	73.1	23.8	10.0	4.3
			90	45.3	1.70	51.1	74.9	26.6	2.8	1.2	46.9	1.69	52.6	79.6	27.8	5.8	2.5	47.7	1.68	53.4	82.1	28.5	9.7	4.2
	9	2.9 (1.2)	50	25.7	1.81	31.8	41.4	14.2	3.2	1.4	26.3	1.80	32.4	44.2	14.6	6.6	2.8	26.6	1.80	32.7	45.6	14.7	11.0	4.8
			60	30.0	1.78	36.1	50.0	16.8	3.1	1.3	30.8	1.78	36.8	53.2	17.3	6.4	2.8	31.2	1.78	37.2	54.8	17.6	10.6	4.6
			70	34.8	1.75	40.7	58.4	19.9	3.0	1.3	35.8	1.74	41.7	62.1	20.5	6.2	2.7	36.3	1.74	42.2	63.9	20.9	10.3	4.5
			80	40.0	1.70	45.8	66.7	23.6	2.9	1.3	41.3	1.69	47.1	70.8	24.5	6.0	2.6	42.0	1.68	47.7	73.0	25.0	10.0	4.3
			90	45.8	1.63	51.4	74.7	28.0	2.8	1.2	47.4	1.61	52.9	79.5	29.4	5.8	2.5	48.3	1.60	53.7	82.0	30.2	9.7	4.2
	12	6.0 (2.6)	50	25.7	1.79	31.8	41.4	14.4	3.2	1.4	26.4	1.78	32.4	44.1	14.8	6.6	2.8	26.7	1.78	32.8	45.6	15.0	11.0	4.8
			60	30.1	1.76	36.1	50.0	17.1	3.1	1.3	30.9	1.75	36.9	53.1	17.6	6.4	2.8	31.3	1.75	37.3	54.8	17.9	10.6	4.6
			70	34.9	1.72	40.8	58.4	20.3	3.0	1.3	35.9	1.71	41.8	62.0	21.0	6.2	2.7	36.5	1.71	42.3	63.9	21.4	10.3	4.5
			80	40.2	1.67	45.9	66.6	24.1	2.9	1.3	41.5	1.65	47.2	70.8	25.1	6.0	2.6	42.2	1.65	47.8	73.0	25.7	10.0	4.3
			90	46.1	1.60	51.5	74.6	28.8	2.8	1.2	47.7	1.58	53.1	79.4	30.3	5.8	2.5	48.6	1.56	53.9	81.9	31.1	9.7	4.2
90	6	9.1 (3.9)	50	22.8	2.44	31.1	42.4	9.3	3.2	1.4	23.3	2.44	31.6	44.8	9.5	6.6	2.8	23.5	2.44	31.9	46.1	9.6	11.0	4.8
			60	26.8	2.43	35.1	51.1	11.0	3.1	1.3	27.4	2.42	35.7	53.9	11.3	6.3	2.7	27.8	2.42	36.0	55.4	11.5	10.6	4.6
			70	31.2	2.40	39.4	59.6	13.0	3.0	1.3	32.0	2.39	40.2	62.9	13.4	6.1	2.7	32.4	2.39	40.6	64.6	13.6	10.3	4.5
			80	36.0	2.36	44.0	68.0	15.3	2.9	1.3	37.0	2.34	45.0	71.8	15.8	6.0	2.6	37.6	2.34	45.6	73.7	16.1	10.0	4.3
			90	41.2	2.30	49.1	76.3	18.0	2.8	1.2	42.6	2.28	50.3	80.5	18.7	5.8	2.5							
	9	6.4 (2.7)	50	23.0	2.38	31.2	42.3	9.7	3.2	1.4	23.6	2.38	31.7	44.8	9.9	6.6	2.8	23.8	2.38	31.9	46.0	10.0	11.0	4.8
			60	27.1	2.36	35.2	51.0	11.5	3.1	1.3	27.8	2.36	35.8	53.8	11.8	6.4	2.7	28.1	2.35	36.1	55.3	11.9	10.6	4.6
			70	31.6	2.33	39.5	59.5	13.6	3.0	1.3	32.4	2.32	40.3	62.8	14.0	6.2	2.7	32.9	2.31	40.8	64.5	14.2	10.3	4.5
			80	36.5	2.27	44.2	67.8	16.0	2.9	1.3	37.6	2.26	45.3	71.7	16.6	6.0	2.6	38.1	2.25	45.8	73.6	16.9	10.0	4.3
			90	41.9	2.20	49.4	76.0	19.0	2.8	1.2	43.2	2.18	50.7	80.4	19.8	5.8	2.5	43.9	2.17	51.4	82.7	20.2	9.7	4.2
	12	3.4 (1.5)	50	23.2	2.36	31.2	42.3	9.8	3.2	1.4	23.7	2.35	31.7	44.7	10.1	6.6	2.8	24.0	2.35	32.0	46.0	10.2	11.0	4.8
			60	27.3	2.33	35.2	50.9	11.7	3.1	1.3	27.9	2.32	35.9	53.8	12.0	6.4	2.7	28.3	2.32	36.2	55.3	12.2	10.6	4.6
			70	31.8	2.29	39.6	59.4	13.9	3.0	1.3	32.6	2.28	40.4	62.7	14.3	6.2	2.7	33.1	2.28	40.9	64.5	14.5	10.3	4.5
			80	36.7	2.23	44.4	67.8	16.4	2.9	1.3	37.8	2.22	45.4	71.6	17.0	6.0	2.6	38.4	2.21	46.0	73.6	17.4	10.0	4.3
			90	42.2	2.16	49.5	75.9	19.5	2.8	1.2	43.5	2.14	50.8	80.3	20.4	5.8	2.5	44.3	2.13	51.5	82.6	20.8	9.7	4.2
110	6	5.6 (2.4)	50	19.0	3.24	30.1	43.7	5.9	3.2	1.4	19.4	3.24	30.5	45.7	6.0	6.6	2.8	19.6	3.24	30.7	46.7	6.1	11.0	4.8
			60	22.8	3.22	33.8	52.4	7.1	3.1	1.3	23.3	3.22	34.3	54.8	7.2	6.3	2.7	23.6	3.22	34.6	56.1	7.3	10.6	4.6
			70	26.9	3.19	37.8	61.0	8.4	3.0	1.3	27.6	3.19	38.4	63.9	8.6	6.1	2.7	27.9	3.18	38.8	65.3	8.8	10.3	4.4
			80	31.4	3.15	42.1	69.5	10.0	2.9	1.2	32.2	3.14	42.9	72.8	10.3	6.0	2.6	32.7	3.13	43.3	74.6	10.4	10.0	4.3
			90	36.2	3.08	46.7	77.9	11.8	2.8	1.2														
	9	9.5 (4.1)	50	19.4	3.16	30.2	43.5	6.1	3.2	1.4	19.8	3.16	30.6	45.6	6.3	6.6	2.8	20.0	3.16	30.8	46.7	6.3	11.0	4.8
			60	23.2	3.14	33.9	52.3	7.4	3.1	1.3	23.7	3.13	34.4	54.7	7.6	6.3	2.7	24.0	3.13	34.7	56.0	7.7	10.6	4.6
			70	27.4	3.10	38.0	60.9	8.8	3.0	1.3	28.1	3.09	38.6	63.8	9.1	6.1	2.7	28.4	3.09	39.0	65.3	9.2	10.3	4.5
			80	32.0	3.04	42.3	69.3	10.5	2.9	1.2	32.8	3.03	43.2	72.7	10.8	6.0	2.6	33.3	3.02	43.6	74.4	11.0	10.0	4.3
			90	36.9	2.97	47.1	77.7	12.5	2.8	1.2														
	12	4.3 (1.9)	50	19.6	3.13	30.2	43.5	6.3	3.2	1.4	20.0	3.12	30.6	45.6	6.4	6.6	2.8	20.2	3.12	30.8	46.6	6.5	11.0	4.8
			60	23.4	3.10	34.0	52.2	7.6	3.1	1.3	24.0	3.09	34.5	54.7	7.8	6.3	2.7	24.2	3.09	34.8	56.0	7.9	10.6	4.6
			70	27.6	3.05	38.1	60.8	9.1	3.0	1.3	28.3	3.04	38.7	63.7	9.3	6.1	2.7	28.7	3.04	39.1	65.2	9.5	10.3	4.5
			80	32.3	2.99	42.5	69.2	10.8	2.9	1.2	33.2	2.98	43.3	72.6	11.1	6.0	2.6	33.6	2.97	43.8	74.4	11.3	10.0	4.3
			90	37.3	2.91	47.2	77.6	12.8	2.8	1.2														

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WT049 – Part Load – Heating

Heating																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	6 GPM							9 GPM							12 GPM							
				Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)

Capacity Data

WT049 – Full Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	6 GPM							9 GPM							12 GPM							
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	6	3.0 (1.3)	50	40.1	1.97	46.8	36.6	20.3	3.2	1.4	41.4	1.99	48.2	40.8	20.8	6.6	2.9	42.1	2.00	48.9	43.0	21.1	11.0	4.8
			60	46.0	2.04	52.9	44.7	22.6	3.1	1.3	47.6	2.05	54.6	49.4	23.2	6.4	2.8	48.5	2.06	55.5	51.9	23.5	10.7	4.6
			70	52.4	2.10	59.6	52.5	25.0	3.0	1.3	54.5	2.11	61.7	57.9	25.8	6.2	2.7	55.6	2.12	62.8	60.7	26.2	10.4	4.5
			80	59.4	2.15	66.8	60.2	27.6	2.9	1.3	61.9	2.17	69.4	66.2	28.5	6.0	2.6	63.3	2.18	70.8	69.4	29.0	10.0	4.3
			90	66.9	2.21	74.5	67.7	30.3	2.8	1.2														
	9	5.5 (2.4)	50	40.4	1.91	47.0	36.5	21.2	3.2	1.4	41.8	1.92	48.3	40.7	21.8	6.6	2.9	42.5	1.93	49.1	42.9	22.1	11.0	4.8
			60	46.5	1.96	53.1	44.5	23.7	3.1	1.3	48.2	1.98	54.9	49.3	24.4	6.4	2.8	49.1	1.98	55.8	51.8	24.7	10.7	4.6
			70	53.0	2.01	59.9	52.3	26.3	3.0	1.3	55.1	2.03	62.1	57.7	27.2	6.2	2.7	56.3	2.04	63.2	60.6	27.6	10.4	4.5
			80	60.1	2.06	67.2	60.0	29.1	2.9	1.3	62.8	2.08	69.9	66.1	30.2	6.0	2.6	64.2	2.09	71.3	69.3	30.7	10.0	4.3
			90																					
	12	8.5 (3.7)	50	40.6	1.88	47.0	36.5	21.7	3.2	1.4	42.0	1.89	48.4	40.7	22.3	6.6	2.9	42.7	1.89	49.2	42.9	22.6	11.0	4.8
			60	46.7	1.93	53.3	44.4	24.3	3.1	1.3	48.4	1.94	55.0	49.2	25.0	6.4	2.8	49.3	1.95	56.0	51.8	25.4	10.7	4.6
			70	53.3	1.97	60.1	52.2	27.0	3.0	1.3	55.5	1.99	62.3	57.7	27.9	6.2	2.7	56.6	2.00	63.5	60.6	28.4	10.4	4.5
			80	60.5	2.02	67.4	59.8	30.0	2.9	1.3	63.2	2.03	70.1	66.0	31.1	6.0	2.6	64.6	2.04	71.6	69.2	31.7	10.0	4.3
			90																					
70	6	8.7 (3.8)	50	37.0	2.48	45.5	37.7	14.9	3.2	1.4	38.2	2.49	46.7	41.5	15.3	6.6	2.9	38.8	2.50	47.3	43.5	15.5	11.0	4.8
			60	42.6	2.54	51.2	45.8	16.8	3.1	1.3	44.0	2.56	52.7	50.2	17.2	6.4	2.8	44.8	2.56	53.5	52.5	17.5	10.7	4.6
			70	48.6	2.60	57.5	53.8	18.7	3.0	1.3	50.4	2.62	59.3	58.8	19.3	6.2	2.7	51.4	2.63	60.3	61.4	19.6	10.3	4.5
			80	55.2	2.66	64.3	61.6	20.8	2.9	1.3	57.4	2.67	66.5	67.2	21.5	6.0	2.6	58.6	2.68	67.7	70.2	21.8	10.0	4.3
			90	62.3	2.71	71.5	69.2	23.0	2.8	1.2	65.0	2.73	74.3	75.6	23.8	5.8	2.5	66.4	2.74	75.8	78.9	24.3	9.7	4.2
	9	2.8 (1.2)	50	37.4	2.41	45.6	37.5	15.5	3.2	1.4	38.6	2.42	46.9	41.4	15.9	6.6	2.9	39.2	2.43	47.5	43.5	16.1	11.0	4.8
			60	43.1	2.46	51.5	45.6	17.5	3.1	1.3	44.6	2.48	53.0	50.1	18.0	6.4	2.8	45.4	2.48	53.8	52.4	18.3	10.7	4.6
			70	49.3	2.51	57.8	53.6	19.6	3.0	1.3	51.1	2.53	59.7	58.6	20.2	6.2	2.7	52.1	2.54	60.8	61.3	20.6	10.3	4.5
			80	56.0	2.56	64.7	61.3	21.9	2.9	1.3	58.3	2.58	67.1	67.0	22.6	6.0	2.6	59.5	2.58	68.3	70.1	23.0	10.0	4.3
			90	63.3	2.60	72.1	68.9	24.3	2.8	1.2	66.1	2.62	75.0	75.3	25.2	5.8	2.5	67.6	2.62	76.6	78.7	25.8	9.7	4.2
	12	6.0 (2.6)	50	37.6	2.38	45.7	37.5	15.8	3.2	1.4	38.8	2.39	47.0	41.4	16.2	6.6	2.9	39.4	2.39	47.6	43.4	16.5	11.0	4.8
			60	43.3	2.43	51.6	45.6	17.9	3.1	1.3	44.8	2.44	53.2	50.0	18.4	6.4	2.8	45.6	2.44	54.0	52.4	18.7	10.7	4.6
			70	49.6	2.47	58.0	53.5	20.1	3.0	1.3	51.5	2.48	59.9	58.6	20.7	6.2	2.7	52.5	2.49	61.0	61.3	21.1	10.3	4.5
			80	56.4	2.51	65.0	61.2	22.4	2.9	1.3	58.7	2.53	67.3	67.0	23.2	6.0	2.6	60.0	2.53	68.6	70.0	23.7	10.0	4.3
			90	63.7	2.55	72.4	68.8	25.0	2.8	1.2	66.6	2.56	75.4	75.2	26.0	5.8	2.5	68.2	2.57	76.9	78.6	26.5	9.7	4.2
90	6	9.0 (3.9)	50	33.6	3.09	44.2	38.8	10.9	3.2	1.4	34.6	3.10	45.2	42.3	11.1	6.6	2.9	35.1	3.11	45.7	44.2	11.3	11.0	4.8
			60	38.7	3.16	49.5	47.1	12.3	3.1	1.3	39.9	3.17	50.8	51.1	12.6	6.4	2.8	40.6	3.18	51.4	53.2	12.8	10.7	4.6
			70	44.3	3.22	55.3	55.2	13.8	3.0	1.3	45.8	3.24	56.9	59.8	14.1	6.2	2.7	46.6	3.25	57.7	62.2	14.4	10.3	4.5
			80	50.4	3.29	61.6	63.2	15.3	2.9	1.3	52.2	3.30	63.5	68.4	15.8	6.0	2.6	53.2	3.31	64.5	71.1	16.1	10.0	4.3
			90	56.9	3.35	68.3	71.0	17.0	2.8	1.2	59.2	3.36	70.7	76.8	17.6	5.8	2.5	60.4	3.37	71.9	79.9	17.9	9.7	4.2
	9	6.3 (2.7)	50	34.1	3.00	44.3	38.6	11.3	3.2	1.4	35.1	3.01	45.3	42.2	11.6	6.6	2.9	35.6	3.02	45.9	44.1	11.8	11.0	4.8
			60	39.3	3.06	49.7	46.9	12.8	3.1	1.3	40.6	3.07	51.0	51.0	13.2	6.4	2.8	41.2	3.08	51.7	53.1	13.4	10.7	4.6
			70	45.0	3.11	55.7	55.0	14.5	3.0	1.3	46.6	3.13	57.3	59.6	14.9	6.2	2.7	47.4	3.13	58.1	62.1	15.1	10.3	4.5
			80	51.3	3.16	62.1	62.9	16.2	2.9	1.3	53.2	3.18	64.0	68.2	16.7	6.0	2.6	54.3	3.18	65.1	71.0	17.0	10.0	4.3
			90	58.0	3.21	69.0	70.7	18.1	2.8	1.2	60.4	3.22	71.4	76.6	18.8	5.8	2.5	61.7	3.23	72.7	79.7	19.1	9.7	4.2
	12	3.4 (1.5)	50	34.3	2.96	44.4	38.6	11.6	3.2	1.4	35.3	2.97	45.4	42.2	11.9	6.6	2.9	35.8	2.98	46.0	44.0	12.0	11.0	4.8
			60	39.6	3.01	49.9	46.8	13.1	3.1	1.3	40.9	3.02	51.2	50.9	13.5	6.4	2.8	41.5	3.03	51.9	53.1	13.7	10.7	4.6
			70	45.4	3.06	55.8	54.9	14.8	3.0	1.3	47.0	3.07	57.5	59.6	15.3	6.2	2.7	47.8	3.08	58.3	62.0	15.5	10.3	4.5
			80	51.7	3.10	62.3	62.8	16.7	2.9	1.3	53.7	3.12	64.3	68.1	17.2	6.0	2.6	54.8	3.12	65.4	70.9	17.5	10.0	4.3
			90	58.6	3.14	69.3	70.5	18.6	2.8	1.2	61.0	3.15	71.8	76.4	19.4	5.8	2.5	62.3	3.16	73.1	79.6	19.7	9.7	4.2
110	6	5.6 (2.4)	50	29.6	3.93	43.0	40.1	7.5	3.2	1.4	30.3	3.94	43.8	43.3	7.7	6.6	2.8	30.7	3.95	44.2	44.9	7.8	11.0	4.8
			60	34.2	4.01	47.8	48.6	8.5	3.1	1.3	35.1	4.02	48.8	52.2	8.7	6.4	2.8	35.6	4.03	49.3	54.1	8.8	10.7	4.6
			70	39.2	4.09	53.1	56.9	9.6	3.0	1.3	40.4	4.10	54.4	61.0	9.8	6.2	2.7	41.0	4.11	55.0	63.2	10.0	10.3	4.5
			80	44.6	4.16	58.8	65.1	10.7	2.9	1.3	46.1	4.18	60.4	69.8	11.0	6.0	2.6	46.9	4.19	61.2	72.2	11.2	10.0	4.3
			90	50.6	4.23	65.0	73.1	11.9	2.8	1.2														
	9	9.4 (4.1)	50	30.1	3.81	43.1	40.0	7.9	3.2	1.4	30.9	3.82	43.9	43.1	8.1	6.6	2.8	31.3	3.83	44.4	44.8	8.2	11.0	4.8
			60	34.8	3.88	48.0	48.4	9.0	3.1	1.3	35.8	3.89	49.1	52.0	9.2	6.4	2.8	36.3	3.89	49.6	53.9	9.3	10.7	4.6
			70	40.0	3.94	53.4	56.7	10.2	3.0	1.3	41.3	3.95	54.7	60.8	10.4	6.2	2.7	41.9	3.96	55.4	63.0	10.6	10.3	4.5
			80	45.7	4.00	59.3	64.8	11.4	2.9	1.3	47.2	4.01	60.9	69.5	11.8	6.0	2.6	48.1	4.02	61.8	72.0	12.0	10.0	4.3
			90	51.8	4.05	65.6	72.7	12.8	2.8	1.2	53.8	4.06	67.6	78.1	13.2	5.8	2.5							
	12	4.2 (1.8)	50	30.4	3.75	43.2	39.9	8.1	3.2	1.4	31.2	3.76	44.0	43.1	8.3	6.6	2.8	31.6	3.77	44.4	44.7	8.4	11.0	4.8
			60	35.2	3.81	48.2	48.3	9.2	3.1	1.3	36.2	3.82	49.2	52.0	9.5	6.4	2.8	36.7	3.83	49.8	53.9	9.6	10.7	4.6
			70	40.4	3.87	53.6	56.5	10.5	3.0	1.3	41.7	3.88	54.9	60.7	10.8	6.2	2.7	42.4	3.88	55.6	62.9	10.9	10.3	4.5
			80	46.2	3.92	59.5	64.6	11.8	2.9	1.3	47.8	3.93	61.2	69.4	12.2	6.0	2.6	48.6	3.93	62.1	71.9	12.4	10.0	4.3
			90	52.4	3.96	65.9	72.5	13.2	2.8	1.2	54.4	3.97	68.0	77.9	13.7	5.8	2.5							

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WT049 – Full Load – Heating

Heating																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	6 GPM							9 GPM							12 GPM						
				Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	6	1.5 (3.4)	60																					
			80	35.1	2.64	26.1	91.7	3.9	1.2	2.8														
			100	34.6	3.33	23.3	111.5	3.1	1.1	2.6	34.7	3.21	23.7	105.8	3.2	4.0	9.2	34.7	3.21	23.7	105.8	3.2	4.0	9.2
			120	34.5	4.30	19.8	131.5	2.4	1.1	2.5	34.5	4.1	20.37	125.7	2.4	3.8	8.7	34.5	4.1	20.37	125.7	2.4	3.8	8.7
	9	3.0 (7.0)	60	36.5	2.11	29.3	72.2	5.1	1.3	3.0														
			80	35.8	2.65	26.7	91.9	4.0	1.2	2.8	35.9	2.56	27.1	86.0	4.1	4.2	9.8	35.9	2.56	27.1	86.0	4.1	4.2	9.8
			100	35.2	3.34	23.8	111.7	3.1	1.1	2.6	35.2	3.22	24.3	105.9	3.2	4.0	9.2	35.2	3.22	24.3	105.9	3.2	4.0	9.2
			120	34.9	4.31	20.2	131.6	2.4	1.1	2.5	34.9	4.14	20.8	125.8	2.5	3.8	8.7	34.9	4.14	20.8	125.8	2.5	3.8	8.7
	12	5.1 (11.8)	60	37.0	2.12	29.7	72.3	5.1	1.3	3.0														
			80	36.1	2.65	27.1	92.0	4.0	1.2	2.8	36.2	2.56	27.5	86.0	4.1	4.2	9.8	36.2	2.56	27.5	86.0	4.1	4.2	9.8
			100	35.5	3.34	24.1	111.8	3.1	1.1	2.6	35.5	3.22	24.5	105.9	3.2	4.0	9.2	35.5	3.22	24.5	105.9	3.2	4.0	9.2
			120	35.1	4.31	20.4	131.7	2.4	1.1	2.5	35.1	4.15	21.0	125.9	2.5	3.8	8.7	35.1	4.15	21.0	125.9	2.5	3.8	8.7
50	6	1.4 (3.2)	60	46.1	2.22	38.6	75.4	6.1	1.3	3.0	46.4	2.13	39.1	67.7	6.4	4.5	10.4	46.4	2.13	39.1	67.7	6.4	4.5	10.4
			80	44.8	2.76	35.4	94.9	4.8	1.2	2.8	45.1	2.65	36.0	87.5	5.0	4.2	9.8	45.1	2.65	36.0	87.5	5.0	4.2	9.8
			100	43.6	3.47	31.7	114.5	3.7	1.1	2.6	43.8	3.32	32.4	107.3	3.9	4.0	9.2	43.8	3.32	32.4	107.3	3.9	4.0	9.2
			120	42.5	4.47	27.2	134.2	2.8	1.1	2.5	42.6	4.27	28.1	127.1	2.9	3.8	8.7	42.6	4.27	28.1	127.1	2.9	3.8	8.7
	9	2.8 (6.6)	60	47.4	2.23	39.8	75.8	6.2	1.3	2.9	47.7	2.14	40.4	68.0	6.5	4.5	10.4	47.7	2.14	40.4	68.0	6.5	4.5	10.4
			80	45.9	2.78	36.4	95.3	4.8	1.2	2.8	46.2	2.66	37.1	87.7	5.1	4.2	9.8	46.2	2.66	37.1	87.7	5.1	4.2	9.8
			100	44.4	3.48	32.6	114.8	3.7	1.1	2.6	44.7	3.33	33.3	107.5	3.9	4.0	9.2	44.7	3.33	33.3	107.5	3.9	4.0	9.2
			120	43.1	4.49	27.8	134.4	2.8	1.1	2.5	43.4	4.28	28.8	127.2	3.0	3.8	8.7	43.4	4.28	28.8	127.2	3.0	3.8	8.7
	12	4.8 (11.0)	60	48.1	2.24	40.4	76.0	6.3	1.3	2.9	48.4	2.14	41.1	68.1	6.6	4.5	10.4	48.4	2.14	41.1	68.1	6.6	4.5	10.4
			80	46.5	2.78	37.0	95.5	4.9	1.2	2.8	46.8	2.67	37.7	87.8	5.1	4.2	9.8	46.8	2.67	37.7	87.8	5.1	4.2	9.8
			100	44.9	3.49	33.0	115.0	3.8	1.1	2.6	45.2	3.34	33.8	107.5	4.0	4.0	9.2	45.2	3.34	33.8	107.5	4.0	4.0	9.2
			120	43.5	4.49	28.2	134.5	2.8	1.1	2.5	43.7	4.28	29.1	127.3	3.0	3.8	8.7	43.7	4.28	29.1	127.3	3.0	3.8	8.7
70	6	1.3 (3.0)	60	58.6	2.34	50.6	79.5	7.3	1.3	2.9	59.1	2.22	51.5	69.8	7.8	4.5	10.4	59.1	2.22	51.5	69.8	7.8	4.5	10.4
			80	56.4	2.89	46.6	98.8	5.7	1.2	2.8	56.9	2.75	47.6	89.5	6.1	4.2	9.7	56.9	2.75	47.6	89.5	6.1	4.2	9.7
			100	54.2	3.62	41.9	118.1	4.4	1.1	2.6	54.7	3.43	43.0	109.1	4.7	4.0	9.2	54.7	3.43	43.0	109.1	4.7	4.0	9.2
			120								52.5	4.39	37.5	128.8	3.5	3.8	8.7	52.5	4.39	37.5	128.8	3.5	3.8	8.7
	9	2.7 (6.1)	60	60.5	2.36	52.5	80.2	7.5	1.3	2.9	61.1	2.23	53.5	70.2	8.0	4.5	10.4	61.1	2.23	53.5	70.2	8.0	4.5	10.4
			80	58.1	2.91	48.2	99.4	5.9	1.2	2.8	58.7	2.76	49.3	89.8	6.2	4.2	9.7	58.7	2.76	49.3	89.8	6.2	4.2	9.7
			100	55.6	3.63	43.2	118.5	4.5	1.1	2.6	56.2	3.44	44.5	109.4	4.8	4.0	9.2	56.2	3.44	44.5	109.4	4.8	4.0	9.2
			120								53.7	4.40	38.7	128.9	3.6	3.8	8.7	53.7	4.40	38.7	128.9	3.6	3.8	8.7
	12	4.5 (10.3)	60	61.6	2.37	53.5	80.5	7.6	1.3	2.9	62.2	2.24	54.6	70.4	8.1	4.5	10.4	62.2	2.24	54.6	70.4	8.1	4.5	10.4
			80	59.0	2.91	49.1	99.7	5.9	1.2	2.7	59.7	2.77	50.2	89.9	6.3	4.2	9.7	59.7	2.77	50.2	89.9	6.3	4.2	9.7
			100	56.4	3.64	43.9	118.8	4.5	1.1	2.6	57.0	3.45	45.2	109.5	4.8	4.0	9.2	57.0	3.45	45.2	109.5	4.8	4.0	9.2
			120								54.3	4.41	39.3	129.0	3.6	3.8	8.7	54.3	4.41	39.3	129.0	3.6	3.8	8.7
90	6	1.2 (2.8)	60	73.0	2.45	64.7	84.3	8.7	1.3	2.9	73.9	2.30	66.1	72.3	9.4	4.5	10.3	73.9	2.30	66.1	72.3	9.4	4.5	10.3
			80	70.0	3.00	59.7	103.3	6.8	1.2	2.7	70.9	2.83	61.2	91.8	7.4	4.2	9.7	70.9	2.83	61.2	91.8	7.4	4.2	9.7
			100	66.7	3.75	53.9	122.2	5.2	1.1	2.6	67.6	3.51	55.6	111.3	5.6	4.0	9.1	67.6	3.51	55.6	111.3	5.6	4.0	9.1
			120								64.2	4.49	48.9	130.7	4.2	3.7	8.6	64.2	4.49	48.9	130.7	4.2	3.7	8.6
	9	2.5 (5.8)	60	76.0	2.47	67.6	85.3	9.0	1.3	2.9	77.1	2.31	69.2	72.8	9.8	4.5	10.3	77.1	2.31	69.2	72.8	9.8	4.5	10.3
			80	72.5	3.02	62.2	104.2	7.0	1.2	2.7	73.6	2.84	63.9	92.3	7.6	4.2	9.7	73.6	2.84	63.9	92.3	7.6	4.2	9.7
			100	68.8	3.77	55.9	122.9	5.3	1.1	2.6	69.9	3.52	57.9	111.6	5.8	4.0	9.1	69.9	3.52	57.9	111.6	5.8	4.0	9.1
			120																					
	12	4.2 (9.7)	60	77.6	2.48	69.1	85.9	9.2	1.3	2.9														
			80	73.9	3.03	63.5	104.6	7.1	1.2	2.7	75.1	2.84	65.4	92.5	7.7	4.2	9.7	75.1	2.84	65.4	92.5	7.7	4.2	9.7
			100																					
			120																					

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WT061 – Part Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	7.5 GPM							11.25 GPM							15 GPM							
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	7.5	3.5 (1.5)	50	34.8	1.82	41.0	40.7	19.1	3.6	1.6	35.7	1.82	41.9	43.7	19.7	7.4	3.2	36.2	1.81	42.4	45.2	20.0	12.5	5.4
			60	40.9	1.77	47.0	49.1	23.1	3.5	1.5	42.1	1.76	48.1	52.5	23.9	7.2	3.1	42.8	1.76	48.8	54.3	24.3	12.1	5.2
			70	47.7	1.72	53.6	57.3	27.7	3.4	1.5	49.3	1.71	55.1	61.2	28.8	7.0	3.0	50.1	1.70	55.9	63.3	29.4	11.7	5.1
			80	55.1	1.66	60.8	65.3	33.1	3.3	1.4	57.1	1.65	62.7	69.9	34.6	6.8	2.9	58.1	1.64	63.7	72.2	35.4	11.3	4.9
			90																					
	11.25	6.3 (2.7)	50	35.1	1.77	41.1	40.6	19.8	3.6	1.6	36.0	1.76	42.0	43.6	20.5	7.4	3.2	36.5	1.76	42.5	45.1	20.8	12.5	5.4
			60	41.3	1.71	47.1	49.0	24.1	3.5	1.5	42.5	1.70	48.3	52.4	25.1	7.2	3.1	43.2	1.69	49.0	54.2	25.5	12.1	5.2
			70	48.2	1.64	53.8	57.1	29.3	3.4	1.5	49.8	1.63	55.4	61.1	30.6	7.0	3.0	50.7	1.62	56.2	63.2	31.3	11.7	5.1
			80	55.8	1.57	61.1	65.1	35.5	3.3	1.4	57.8	1.55	63.1	69.7	37.2	6.8	2.9	58.9	1.54	64.2	72.1	38.2	11.3	4.9
			90																					
	15	9.7 (4.2)	50	35.2	1.74	41.2	40.6	20.2	3.6	1.6	36.2	1.73	42.1	43.6	20.9	7.5	3.2	36.7	1.73	42.6	45.1	21.2	12.5	5.4
			60	41.5	1.68	47.2	48.9	24.7	3.5	1.5	42.8	1.66	48.4	52.4	25.7	7.2	3.1	43.4	1.66	49.1	54.2	26.2	12.1	5.2
			70	48.4	1.61	53.9	57.1	30.2	3.4	1.5	50.1	1.59	55.5	61.1	31.5	7.0	3.0	51.0	1.58	56.4	63.2	32.3	11.7	5.1
			80	56.1	1.53	61.3	65.0	36.7	3.3	1.4	58.2	1.51	63.3	69.7	38.6	6.8	2.9	59.3	1.49	64.4	72.1	39.7	11.3	4.9
			90																					
70	7.5	10.0 (4.3)	50	31.5	2.45	39.9	41.6	12.9	3.6	1.6	32.3	2.44	40.7	44.3	13.2	7.4	3.2	32.7	2.44	41.1	45.6	13.4	12.5	5.4
			60	37.2	2.42	45.5	50.1	15.4	3.5	1.5	38.3	2.41	46.5	53.2	15.9	7.2	3.1	38.8	2.41	47.0	54.8	16.1	12.1	5.2
			70	43.5	2.38	51.6	58.4	18.2	3.4	1.5	44.8	2.38	52.9	62.0	18.8	7.0	3.0	45.5	2.37	53.6	63.9	19.2	11.7	5.1
			80	50.3	2.35	58.3	66.6	21.4	3.3	1.4	51.9	2.34	59.9	70.8	22.2	6.8	2.9	52.8	2.34	60.8	73.0	22.6	11.3	4.9
			90	57.6	2.32	65.5	74.6	24.9	3.2	1.4	59.7	2.31	67.6	79.4	25.9	6.6	2.8								
	11.25	3.2 (1.4)	50	31.8	2.39	40.0	41.5	13.3	3.6	1.6	32.7	2.38	40.8	44.2	13.7	7.4	3.2	33.1	2.38	41.2	45.6	13.9	12.5	5.4
			60	37.6	2.35	45.6	50.0	16.0	3.5	1.5	38.7	2.34	46.7	53.1	16.5	7.2	3.1	39.2	2.34	47.2	54.8	16.8	12.1	5.2
			70	44.0	2.30	51.8	58.3	19.1	3.4	1.5	45.3	2.29	53.2	61.9	19.8	7.0	3.0	46.1	2.29	53.9	63.9	20.1	11.7	5.1
			80	50.9	2.26	58.6	66.4	22.6	3.3	1.4	52.6	2.25	60.3	70.6	23.4	6.8	2.9	53.5	2.24	61.2	72.9	23.9	11.3	4.9
			90	58.5	2.21	66.0	74.4	26.5	3.2	1.4	60.6	2.20	68.1	79.2	27.6	6.6	2.8	61.7	2.19	69.2	81.8	28.2	11.0	4.8
	15	6.8 (2.9)	50	32.0	2.36	40.0	41.5	13.6	3.6	1.6	32.8	2.35	40.8	44.2	13.9	7.4	3.2	33.2	2.35	41.3	45.6	14.1	12.5	5.4
			60	37.8	2.31	45.7	49.9	16.3	3.5	1.5	38.9	2.31	46.8	53.1	16.9	7.2	3.1	39.4	2.30	47.3	54.7	17.1	12.1	5.2
			70	44.2	2.26	52.0	58.2	19.5	3.4	1.5	45.6	2.25	53.3	61.9	20.2	7.0	3.0	46.3	2.25	54.0	63.8	20.6	11.7	5.1
			80	51.2	2.21	58.8	66.3	23.2	3.3	1.4	53.0	2.20	60.5	70.6	24.1	6.8	2.9	53.9	2.19	61.4	72.8	24.6	11.3	4.9
			90	58.9	2.15	66.2	74.3	27.3	3.2	1.4	61.0	2.14	68.3	79.1	28.5	6.6	2.8	62.2	2.13	69.5	81.7	29.2	11.0	4.8
90	7.5	10.3 (4.4)	50	27.7	3.23	38.7	42.6	8.6	3.6	1.6	28.4	3.23	39.4	45.0	8.8	7.4	3.2	28.7	3.22	39.7	46.2	8.9	12.4	5.4
			60	33.1	3.20	44.0	51.2	10.3	3.5	1.5	33.9	3.20	44.8	54.0	10.6	7.2	3.1	34.4	3.20	45.3	55.4	10.8	12.0	5.2
			70	38.9	3.18	49.7	59.6	12.2	3.4	1.5	39.9	3.17	50.7	62.9	12.6	7.0	3.0	40.5	3.17	51.3	64.6	12.8	11.7	5.0
			80	45.1	3.15	55.8	68.0	14.3	3.3	1.4	46.4	3.15	57.2	71.7	14.8	6.8	2.9	47.2	3.14	57.9	73.7	15.0	11.3	4.9
			90	51.8	3.13	62.5	76.2	16.6	3.2	1.4	53.5	3.12	64.1	80.5	17.1	6.6	2.8								
	11.25	7.2 (3.1)	50	28.1	3.15	38.9	42.5	8.9	3.6	1.6	28.8	3.15	39.5	44.9	9.1	7.4	3.2	29.1	3.15	39.9	46.1	9.3	12.4	5.4
			60	33.5	3.12	44.2	51.1	10.8	3.5	1.5	34.4	3.11	45.0	53.9	11.1	7.2	3.1	34.8	3.11	45.4	55.4	11.2	12.0	5.2
			70	39.4	3.08	49.9	59.5	12.8	3.4	1.5	40.5	3.07	51.0	62.8	13.2	7.0	3.0	41.1	3.07	51.6	64.5	13.4	11.7	5.0
			80	45.8	3.04	56.2	67.8	15.1	3.3	1.4	47.2	3.03	57.5	71.6	15.6	6.8	2.9	47.9	3.03	58.3	73.6	15.8	11.3	4.9
			90	52.7	3.00	62.9	76.0	17.5	3.2	1.4	54.4	3.00	64.6	80.3	18.2	6.6	2.8								
	15	3.9 (1.7)	50	28.3	3.11	38.9	42.5	9.1	3.6	1.6	29.0	3.11	39.6	44.9	9.3	7.4	3.2	29.3	3.11	39.9	46.1	9.4	12.4	5.4
			60	33.7	3.07	44.2	51.0	11.0	3.5	1.5	34.6	3.07	45.1	53.8	11.3	7.2	3.1	35.1	3.06	45.5	55.3	11.5	12.0	5.2
			70	39.7	3.03	50.0	59.4	13.1	3.4	1.5	40.8	3.02	51.1	62.7	13.5	7.0	3.0	41.4	3.02	51.7	64.5	13.7	11.7	5.0
			80	46.1	2.99	56.3	67.7	15.4	3.3	1.4	47.6	2.98	57.7	71.5	16.0	6.8	2.9	48.3	2.97	58.5	73.6	16.3	11.3	4.9
			90	53.1	2.94	63.1	75.8	18.0	3.2	1.4	54.9	2.93	64.9	80.2	18.7	6.6	2.8								
110	7.5	6.4 (2.8)	50	22.6	4.28	37.2	44.0	5.3	3.6	1.6	23.2	4.27	37.7	45.9	5.4	7.4	3.2	23.4	4.27	38.0	46.9	5.5	12.4	5.4
			60	27.7	4.24	42.2	52.6	6.5	3.5	1.5	28.4	4.24	42.8	55.0	6.7	7.2	3.1	28.7	4.23	43.2	56.2	6.8	12.0	5.2
			70	33.1	4.21	47.5	61.2	7.9	3.4	1.5	34.0	4.20	48.3	64.0	8.1	7.0	3.0	34.4	4.20	48.7	65.4	8.2	11.6	5.0
			80	38.9	4.18	53.1	69.6	9.3	3.3	1.4	39.9	4.17	54.2	72.9	9.6	6.7	2.9	40.5	4.17	54.7	74.6	9.7	11.3	4.9
			90	45.0	4.15	59.2	78.0	10.8	3.2	1.4														
	11.25	10.7 (4.6)	50	23.1	4.18	37.4	43.8	5.5	3.6	1.6	23.7	4.17	37.9	45.8	5.7	7.4	3.2	23.9	4.17	38.2	46.8	5.7	12.4	5.4
			60	28.3	4.13	42.4	52.5	6.9	3.5	1.5	29.0	4.12	43.0	54.8	7.0	7.2	3.1	29.3	4.12	43.4	56.1	7.1	12.0	5.2
			70	33.8	4.08	47.7	61.0	8.3	3.4	1.5	34.7	4.07	48.6	63.8	8.5	7.0	3.0	35.1	4.07	49.0	65.3	8.6	11.6	5.0
			80	39.7	4.04	53.5	69.4	9.8	3.3	1.4	40.8	4.03	54.6	72.7	10.1	6.7	2.9	41.4	4.03	55.1	74.5	10.3	11.3	4.9
			90	46.0	4.00	59.6	77.7	11.5	3.2	1.4														
	15	4.8 (2.1)	50	23.4	4.13	37.5	43.8	5.7	3.6	1.6	23.9	4.12	38.0	45.7	5.8	7.4	3.2	24.2	4.12	38.2	46.8	5.9	12.4	5.4
			60	28.6	4.07	42.5	52.4	7.0	3.5	1.5	29.3	4.07	43.1	54.8	7.2	7.2	3.1	29.6	4.06	43.5	56.0	7.3	12.0	5.2
			70	34.1	4.02	47.8	60.9	8.5	3.4	1.5	35.0	4.01	48.7	63.8	8.7	7.0	3.0	35.5	4.01	49.2	65.3	8.9	11.6	5.0
			80	40.1	3.97	53.6	69.3	10.1	3.3	1.4	41.2	3.96	54.7	72.7	10.4	6.7	2.9	41.8	3.96	55.3	74.4	10.6	11.3	4.9
			90	46.5	3.93	59.9	77.6	11.8	3.2	1.4														

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WT061 – Part Load – Heating

Heating																									
				7.5 GPM							11.25 GPM							15 GPM							
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	7.5	1.7 (3.8)	60																					
			80																					
			100																					
			120	27.4	5.04	10.2	127.3	1.6	1.2	2.8	27.6	4.9	10.87	123.7	1.6	4.3	9.9	27.6	4.9	10.87	123.7	1.6	4.3	9.9
	11.25	3.4 (7.9)	60																					
			80																					
			100																					
			120	27.6	5.04	10.4	127.4	1.6	1.2	2.8	27.8	4.90	11.1	123.7	1.7	4.3	9.9	27.8	4.90	11.1	123.7	1.7	4.3	9.9
	15	5.8 (13.3)	60																					
			80																					
			100	29.4	3.77	16.6	107.9	2.3	1.3	3.0	29.6	3.66	17.1	103.9	2.4	4.5	10.5	29.6	3.66	17.1	103.9	2.4	4.5	10.5
			120	27.7	5.04	10.5	127.4	1.6	1.2	2.8	27.9	4.90	11.2	123.7	1.7	4.3	9.9	27.9	4.90	11.2	123.7	1.7	4.3	9.9
50	7.5	1.6 (3.6)	60	40.4	2.12	33.2	70.8	5.6	1.5	3.4	40.6	2.04	33.6	65.4	5.8	5.1	11.8	40.6	2.04	33.6	65.4	5.8	5.1	11.8
			80	39.4	2.81	29.8	90.5	4.1	1.4	3.2	39.5	2.71	30.2	85.3	4.3	4.8	11.1	39.5	2.71	30.2	85.3	4.3	4.8	11.1
			100	38.1	3.71	25.4	110.1	3.0	1.3	3.0	38.2	3.58	26.0	105.1	3.1	4.5	10.4	38.2	3.58	26.0	105.1	3.1	4.5	10.4
			120	36.3	4.94	19.4	129.7	2.2	1.2	2.8	36.5	4.77	20.3	124.9	2.2	4.3	9.9	36.5	4.77	20.3	124.9	2.2	4.3	9.9
	11.25	3.2 (7.4)	60	41.3	2.12	34.0	71.0	5.7	1.5	3.4	41.4	2.03	34.5	65.5	6.0	5.1	11.8	41.4	2.03	34.5	65.5	6.0	5.1	11.8
			80	40.1	2.81	30.5	90.7	4.2	1.4	3.2	40.2	2.71	31.0	85.4	4.4	4.8	11.1	40.2	2.71	31.0	85.4	4.4	4.8	11.1
			100	38.6	3.71	26.0	110.3	3.1	1.3	3.0	38.8	3.58	26.6	105.2	3.2	4.5	10.4	38.8	3.58	26.6	105.2	3.2	4.5	10.4
			120	36.7	4.93	19.8	129.8	2.2	1.2	2.8	37.0	4.76	20.7	124.9	2.3	4.3	9.9	37.0	4.76	20.7	124.9	2.3	4.3	9.9
	15	5.4 (12.4)	60	41.7	2.12	34.5	71.1	5.8	1.5	3.4	41.9	2.03	35.0	65.6	6.1	5.1	11.8	41.9	2.03	35.0	65.6	6.1	5.1	11.8
			80	40.4	2.81	30.8	90.8	4.2	1.4	3.2	40.6	2.70	31.4	85.4	4.4	4.8	11.1	40.6	2.70	31.4	85.4	4.4	4.8	11.1
			100	38.9	3.71	26.3	110.4	3.1	1.3	3.0	39.1	3.57	26.9	105.2	3.2	4.5	10.4	39.1	3.57	26.9	105.2	3.2	4.5	10.4
			120	36.9	4.93	20.1	129.8	2.2	1.2	2.8	37.2	4.76	20.9	125.0	2.3	4.3	9.9	37.2	4.76	20.9	125.0	2.3	4.3	9.9
70	7.5	1.5 (3.4)	60	52.6	2.04	45.6	74.0	7.5	1.5	3.4	52.9	1.93	46.3	67.1	8.0	5.1	11.8	52.9	1.93	46.3	67.1	8.0	5.1	11.8
			80	50.7	2.76	41.3	93.5	5.4	1.4	3.1	51.0	2.63	42.0	86.8	5.7	4.8	11.1	51.0	2.63	42.0	86.8	5.7	4.8	11.1
			100	48.6	3.65	36.2	113.0	3.9	1.3	3.0	49.0	3.49	37.1	106.5	4.1	4.5	10.4	49.0	3.49	37.1	106.5	4.1	4.5	10.4
			120	46.1	4.85	29.6	132.3	2.8	1.2	2.8	46.6	4.64	30.8	126.2	2.9	4.3	9.9	46.6	4.64	30.8	126.2	2.9	4.3	9.9
	11.25	3.0 (7.0)	60	54.0	2.03	47.0	74.4	7.8	1.5	3.3	54.4	1.92	47.8	67.2	8.3	5.1	11.8	54.4	1.92	47.8	67.2	8.3	5.1	11.8
			80	51.8	2.75	42.5	93.8	5.5	1.4	3.1	52.2	2.62	43.3	87.0	5.8	4.8	11.1	52.2	2.62	43.3	87.0	5.8	4.8	11.1
			100	49.6	3.65	37.1	113.2	4.0	1.3	3.0	50.0	3.48	38.1	106.7	4.2	4.5	10.4	50.0	3.48	38.1	106.7	4.2	4.5	10.4
			120	46.9	4.84	30.3	132.5	2.8	1.2	2.8	47.3	4.63	31.5	126.3	3.0	4.3	9.9	47.3	4.63	31.5	126.3	3.0	4.3	9.9
	15	5.0 (11.7)	60	54.7	2.03	47.8	74.6	7.9	1.4	3.3	55.1	1.91	48.6	67.4	8.5	5.1	11.8	55.1	1.91	48.6	67.4	8.5	5.1	11.8
			80	52.5	2.75	43.1	94.0	5.6	1.4	3.1	52.9	2.61	44.0	87.0	5.9	4.8	11.1	52.9	2.61	44.0	87.0	5.9	4.8	11.1
			100	50.1	3.65	37.6	113.4	4.0	1.3	3.0	50.5	3.48	38.6	106.7	4.3	4.5	10.4	50.5	3.48	38.6	106.7	4.3	4.5	10.4
			120	47.2	4.84	30.7	132.6	2.9	1.2	2.8	47.7	4.62	32.0	126.4	3.0	4.3	9.9	47.7	4.62	32.0	126.4	3.0	4.3	9.9
90	7.5	1.4 (3.2)	60	67.1	1.96	60.4	77.9	10.1	1.4	3.3	67.8	1.80	61.6	69.0	11.1	5.1	11.8	67.8	1.80	61.6	69.0	11.1	5.1	11.8
			80	64.0	2.70	54.8	97.1	6.9	1.4	3.1	64.7	2.53	56.0	88.6	7.5	4.8	11.0	64.7	2.53	56.0	88.6	7.5	4.8	11.0
			100	60.9	3.61	48.6	116.2	4.9	1.3	2.9	61.5	3.40	49.9	108.2	5.3	4.5	10.4	61.5	3.40	49.9	108.2	5.3	4.5	10.4
			120								58.1	4.53	42.6	127.7	3.8	4.3	9.8	58.1	4.53	42.6	127.7	3.8	4.3	9.8
	11.25	2.8 (6.6)	60	69.3	1.94	62.6	78.5	10.4	1.4	3.3														
			80	65.9	2.70	56.7	97.6	7.2	1.4	3.1	66.6	2.52	58.0	88.9	7.7	4.8	11.0	66.6	2.52	58.0	88.9	7.7	4.8	11.0
			100																					
			120																					
	15	4.7 (11.0)	60	70.5	1.94	63.9	78.8	10.7	1.4	3.3														
			80																					
			100																					
			120																					

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WT061 – Full Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	7.5 GPM							11.25 GPM							15 GPM							
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	7.5	3.4 (1.5)	50	49.1	2.46	57.5	36.9	20.0	3.6	1.6	50.9	2.47	59.3	41.0	20.6	7.5	3.2	51.8	2.48	60.2	43.1	20.9	12.5	5.4
			60	57.0	2.52	65.6	44.8	22.6	3.5	1.5	59.1	2.54	67.8	49.5	23.3	7.2	3.1	60.3	2.55	69.0	52.0	23.7	12.1	5.2
			70	65.4	2.59	74.2	52.6	25.3	3.4	1.5	68.1	2.61	77.0	57.9	26.1	7.0	3.0	69.5	2.62	78.4	60.7	26.5	11.7	5.1
			80	74.3	2.67	83.4	60.2	27.9	3.3	1.4	77.5	2.70	86.7	66.2	28.8	6.8	3.0	79.3	2.71	88.5	69.4	29.2	11.4	4.9
			90	83.8	2.76	93.2	67.7	30.4	3.2	1.4	87.6	2.80	97.1	74.4	31.3	6.6	2.9							
	11.25	6.3 (2.7)	50	49.5	2.39	57.7	36.8	20.7	3.6	1.6	51.3	2.40	59.5	40.9	21.4	7.5	3.2	52.2	2.41	60.4	43.0	21.7	12.5	5.4
			60	57.5	2.44	65.8	44.7	23.6	3.5	1.5	59.7	2.45	68.1	49.4	24.4	7.2	3.1	60.9	2.46	69.3	51.9	24.8	12.1	5.2
			70	66.1	2.50	74.6	52.4	26.5	3.4	1.5	68.8	2.52	77.4	57.8	27.3	7.0	3.0	70.3	2.53	78.9	60.6	27.8	11.7	5.1
			80	75.2	2.57	84.0	59.9	29.3	3.3	1.4	78.5	2.59	87.4	66.0	30.3	6.8	3.0	80.3	2.61	89.2	69.3	30.8	11.4	4.9
			90																					
	15	9.7 (4.2)	50	49.7	2.35	57.7	36.7	21.1	3.6	1.6	51.5	2.36	59.6	40.8	21.8	7.5	3.2	52.5	2.37	60.5	43.0	22.1	12.5	5.4
			60	57.8	2.40	65.9	44.6	24.1	3.5	1.5	60.0	2.41	68.2	49.3	24.9	7.3	3.1	61.2	2.42	69.5	51.8	25.3	12.1	5.2
			70	66.4	2.45	74.8	52.3	27.1	3.4	1.5	69.2	2.47	77.6	57.7	28.0	7.0	3.0	70.7	2.48	79.2	60.6	28.5	11.7	5.1
			80	75.6	2.52	84.2	59.8	30.0	3.3	1.4	79.0	2.54	87.7	66.0	31.1	6.8	3.0	80.8	2.56	89.6	69.2	31.6	11.4	4.9
			90																					
70	7.5	9.9 (4.3)	50	45.8	3.10	56.3	37.8	14.7	3.6	1.6	47.2	3.12	57.9	41.6	15.2	7.5	3.2	48.0	3.12	58.7	43.6	15.4	12.5	5.4
			60	53.1	3.16	63.8	45.9	16.8	3.5	1.5	54.9	3.18	65.8	50.2	17.3	7.2	3.1	55.9	3.18	66.8	52.5	17.6	12.1	5.2
			70	60.9	3.23	71.9	53.8	18.9	3.4	1.5	63.2	3.25	74.3	58.8	19.5	7.0	3.0	64.4	3.26	75.5	61.4	19.8	11.7	5.1
			80	69.2	3.30	80.5	61.5	21.0	3.3	1.4	72.0	3.32	83.4	67.2	21.7	6.8	2.9	73.5	3.34	84.9	70.2	22.0	11.4	4.9
			90	78.0	3.38	89.6	69.2	23.1	3.2	1.4	81.3	3.42	93.0	75.5	23.8	6.6	2.9	83.1	3.44	94.8	78.9	24.2	11.0	4.8
	11.25	3.2 (1.4)	50	46.2	3.01	56.5	37.7	15.3	3.6	1.6	47.7	3.02	58.1	41.5	15.8	7.5	3.2	48.6	3.03	58.9	43.5	16.0	12.5	5.4
			60	53.7	3.06	64.1	45.7	17.5	3.5	1.5	55.6	3.07	66.1	50.1	18.1	7.2	3.1	56.6	3.08	67.1	52.4	18.4	12.1	5.2
			70	61.7	3.11	72.3	53.6	19.8	3.4	1.5	64.1	3.13	74.7	58.6	20.5	7.0	3.0	65.3	3.14	76.0	61.3	20.8	11.7	5.1
			80	70.2	3.17	81.0	61.3	22.2	3.3	1.4	73.1	3.19	84.0	67.0	22.9	6.8	2.9	74.7	3.20	85.6	70.0	23.3	11.4	4.9
			90	79.3	3.24	90.3	68.9	24.5	3.2	1.4	82.7	3.27	93.9	75.3	25.3	6.6	2.9	84.6	3.29	95.8	78.7	25.7	11.0	4.8
	15	6.7 (2.9)	50	46.4	2.97	56.6	37.6	15.6	3.6	1.6	48.0	2.98	58.2	41.5	16.1	7.5	3.2	48.8	2.98	59.0	43.5	16.4	12.5	5.4
			60	54.0	3.01	64.2	45.6	17.9	3.5	1.5	55.9	3.02	66.2	50.1	18.5	7.2	3.1	57.0	3.03	67.3	52.4	18.8	12.1	5.2
			70	62.1	3.05	72.5	53.4	20.3	3.4	1.5	64.5	3.07	75.0	58.5	21.0	7.0	3.0	65.8	3.08	76.3	61.2	21.4	11.7	5.1
			80	70.7	3.11	81.3	61.1	22.8	3.3	1.4	73.7	3.13	84.3	66.9	23.6	6.8	2.9	75.3	3.14	86.0	70.0	24.0	11.4	4.9
			90	79.9	3.17	90.7	68.7	25.2	3.2	1.4	83.4	3.20	94.3	75.2	26.1	6.6	2.9	85.3	3.22	96.3	78.6	26.5	11.0	4.8
90	7.5	10.2 (4.4)	50	41.6	3.95	55.0	38.9	10.5	3.6	1.6	42.8	3.96	56.3	42.4	10.8	7.5	3.2	43.4	3.97	57.0	44.2	10.9	12.5	5.4
			60	48.3	4.02	62.0	47.1	12.0	3.5	1.5	49.8	4.03	63.6	51.1	12.4	7.2	3.1	50.6	4.04	64.4	53.2	12.5	12.1	5.2
			70	55.5	4.08	69.4	55.2	13.6	3.4	1.5	57.4	4.10	71.4	59.8	14.0	7.0	3.0	58.4	4.11	72.4	62.2	14.2	11.7	5.1
			80	63.1	4.16	77.3	63.2	15.2	3.3	1.4	65.5	4.18	79.7	68.4	15.6	6.8	2.9	66.7	4.20	81.0	71.1	15.9	11.3	4.9
			90	71.3	4.24	85.7	71.0	16.8	3.2	1.4	74.0	4.27	88.6	76.8	17.3	6.6	2.9	75.5	4.29	90.1	79.9	17.6	11.0	4.8
	11.25	7.2 (3.1)	50	42.1	3.83	55.2	38.8	11.0	3.6	1.6	43.4	3.84	56.5	42.3	11.3	7.5	3.2	44.1	3.85	57.2	44.1	11.5	12.5	5.4
			60	49.0	3.88	62.2	46.9	12.6	3.5	1.5	50.6	3.89	63.9	51.0	13.0	7.2	3.1	51.5	3.90	64.8	53.1	13.2	12.1	5.2
			70	56.4	3.93	69.8	55.0	14.3	3.4	1.5	58.4	3.95	71.9	59.6	14.8	7.0	3.0	59.5	3.96	73.0	62.1	15.0	11.7	5.1
			80	64.3	3.99	77.9	62.9	16.1	3.3	1.4	66.7	4.01	80.4	68.1	16.6	6.8	2.9	68.0	4.02	81.7	70.9	16.9	11.4	4.9
			90	72.7	4.06	86.5	70.6	17.9	3.2	1.4	75.6	4.08	89.5	76.6	18.5	6.6	2.9	77.1	4.10	91.1	79.7	18.8	11.0	4.8
	15	3.9 (1.7)	50	42.4	3.78	55.3	38.7	11.2	3.6	1.6	43.7	3.78	56.6	42.2	11.6	7.5	3.2	44.4	3.79	57.3	44.1	11.7	12.5	5.4
			60	49.3	3.82	62.4	46.8	12.9	3.5	1.5	51.0	3.83	64.0	50.9	13.3	7.2	3.1	51.9	3.83	64.9	53.1	13.5	12.1	5.2
			70	56.8	3.86	70.0	54.8	14.7	3.4	1.5	58.9	3.87	72.1	59.5	15.2	7.0	3.0	60.0	3.88	73.2	62.0	15.5	11.7	5.1
			80	64.8	3.91	78.2	62.7	16.6	3.3	1.4	67.3	3.93	80.7	68.0	17.2	6.8	2.9	68.7	3.93	82.1	70.8	17.5	11.4	4.9
			90	73.3	3.97	86.9	70.4	18.5	3.2	1.4	76.3	3.99	89.9	76.4	19.1	6.6	2.9	77.9	4.00	91.6	79.6	19.5	11.0	4.8
110	7.5	6.3 (2.7)	50	36.3	5.08	53.7	40.3	7.1	3.6	1.6	37.3	5.10	54.7	43.4	7.3	7.5	3.2	37.8	5.10	55.2	45.0	7.4	12.5	5.4
			60	42.4	5.16	60.0	48.7	8.2	3.5	1.5	43.6	5.18	61.2	52.3	8.4	7.2	3.1	44.2	5.18	61.9	54.1	8.5	12.1	5.2
			70	48.9	5.24	66.8	57.0	9.3	3.4	1.5	50.4	5.26	68.3	61.0	9.6	7.0	3.0	51.2	5.27	69.2	63.2	9.7	11.7	5.1
			80	55.8	5.33	74.0	65.1	10.5	3.3	1.4	57.7	5.35	75.9	69.7	10.8	6.8	2.9	58.7	5.36	77.0	72.2	10.9	11.3	4.9
			90	63.2	5.42	81.7	73.1	11.7	3.2	1.4	65.4	5.44	84.0	78.4	12.0	6.6	2.8							
	11.25	10.7 (4.6)	50	37.0	4.93	53.8	40.1	7.5	3.6	1.6	38.0	4.94	54.9	43.2	7.7	7.5	3.2	38.6	4.94	55.4	44.9	7.8	12.5	5.4
			60	43.2	4.99	60.2	48.5	8.7	3.5	1.5	44.5	5.00	61.6	52.1	8.9	7.2	3.1	45.2	5.01	62.3	54.0	9.0	12.1	5.2
			70	49.9	5.05	67.2	56.7	9.9	3.4	1.5	51.6	5.06	68.8	60.8	10.2	7.0	3.0	52.4	5.07	69.7	63.0	10.3	11.7	5.1
			80	57.1	5.11	74.6	64.8	11.2	3.3	1.4	59.1	5.12	76.6	69.5	11.5	6.8	2.9	60.2	5.13	77.7	72.0	11.7	11.3	4.9
			90	64.8	5.18	82.4	72.7	12.5	3.2	1.4	67.1	5.20	84.9	78.1	12.9	6.6	2.8							
	15	4.8 (2.1)	50	37.4	4.85	53.9	40.0	7.7	3.6	1.6	38.4	4.86	55.0	43.2	7.9	7.5	3.2	38.9	4.87	55.5	44.8	8.0	12.5	5.4
			60	43.6	4.90	60.4	48.4	8.9	3.5	1.5	45.0	4.91	61.7	52.0	9.2	7.2	3.1	45.7	4.92	62.4	53.9	9.3	12.1	5.2
			70	50.5	4.95	67.4	56.5	10.2	3.4	1.5	52.1	4.96	69.1	60.7	10.5	7.0	3.0	53.0	4.97	70.0	62.9	10.7	11.7	5.1
			80	57.8	5.00	74.9	64.6	11.6	3.3	1.4	59.8	5.02	76.9	69.4	11.9	6.8	2.9	60.9	5.02	78.0	71.9	12.1	11.3	4.9
			90	65.6	5.06	82.8	72.5	13.0	3.2	1.4	68.0	5.08	85.3	77.9	13.4	6.6	2.8							

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WT061 – Full Load – Heating

Heating																									
				7.5 GPM							11.25 GPM							15 GPM							
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	7.5	1.7 (3.9)	60																					
			80																					
			100																					
			120	42.7	5.59	23.6	131.4	2.2	1.2	2.8	42.7	5.4	24.29	125.7	2.3	4.3	9.9	42.7	5.4	24.29	125.7	2.3	4.3	9.9
	11.25	3.5 (8.0)	60																					
			80																					
			100	43.5	4.34	28.7	111.6	2.9	1.3	3.0	43.6	4.18	29.3	105.8	3.1	4.5	10.4	43.6	4.18	29.3	105.8	3.1	4.5	10.4
			120	43.2	5.60	24.0	131.5	2.3	1.2	2.8	43.2	5.40	24.8	125.8	2.3	4.3	9.9	43.2	5.40	24.8	125.8	2.3	4.3	9.9
	15	5.8 (13.4)	60																					
			80																					
			100	43.9	4.35	29.0	111.7	3.0	1.3	3.0	43.9	4.19	29.6	105.9	3.1	4.5	10.4	43.9	4.19	29.6	105.9	3.1	4.5	10.4
			120	43.4	5.61	24.3	131.6	2.3	1.2	2.8	43.5	5.40	25.0	125.8	2.4	4.3	9.9	43.5	5.40	25.0	125.8	2.4	4.3	9.9
50	7.5	1.6 (3.6)	60	57.0	2.76	47.5	75.2	6.0	1.4	3.3	57.2	2.64	48.2	67.6	6.3	5.1	11.8	57.2	2.64	48.2	67.6	6.3	5.1	11.8
			80	55.7	3.50	43.8	94.9	4.7	1.4	3.1	55.9	3.34	44.5	87.5	4.9	4.8	11.1	55.9	3.34	44.5	87.5	4.9	4.8	11.1
			100	54.4	4.48	39.1	114.5	3.6	1.3	3.0	54.6	4.28	40.0	107.3	3.7	4.5	10.4	54.6	4.28	40.0	107.3	3.7	4.5	10.4
			120	53.0	5.78	33.3	134.1	2.7	1.2	2.8	53.2	5.52	34.4	127.1	2.8	4.3	9.8	53.2	5.52	34.4	127.1	2.8	4.3	9.8
	11.25	3.2 (7.5)	60	58.6	2.77	49.1	75.6	6.2	1.4	3.3	58.9	2.65	49.8	67.9	6.5	5.1	11.8	58.9	2.65	49.8	67.9	6.5	5.1	11.8
			80	57.1	3.51	45.1	95.2	4.8	1.4	3.1	57.4	3.35	46.0	87.7	5.0	4.8	11.1	57.4	3.35	46.0	87.7	5.0	4.8	11.1
			100	55.5	4.49	40.2	114.8	3.6	1.3	3.0	55.8	4.28	41.2	107.4	3.8	4.5	10.4	55.8	4.28	41.2	107.4	3.8	4.5	10.4
			120	53.9	5.79	34.1	134.4	2.7	1.2	2.8	54.2	5.53	35.3	127.2	2.9	4.3	9.8	54.2	5.53	35.3	127.2	2.9	4.3	9.8
	15	5.4 (12.5)	60	59.5	2.78	50.0	75.9	6.3	1.4	3.3	59.8	2.66	50.7	68.0	6.6	5.1	11.8	59.8	2.66	50.7	68.0	6.6	5.1	11.8
			80	57.8	3.52	45.9	95.4	4.8	1.4	3.1	58.2	3.36	46.7	87.8	5.1	4.8	11.0	58.2	3.36	46.7	87.8	5.1	4.8	11.0
			100	56.1	4.50	40.8	115.0	3.7	1.3	3.0	56.4	4.29	41.8	107.5	3.9	4.5	10.4	56.4	4.29	41.8	107.5	3.9	4.5	10.4
			120	54.3	5.80	34.5	134.5	2.7	1.2	2.8	54.7	5.54	35.8	127.3	2.9	4.3	9.8	54.7	5.54	35.8	127.3	2.9	4.3	9.8
70	7.5	1.5 (3.4)	60	73.1	2.88	63.3	79.5	7.4	1.4	3.3	73.7	2.73	64.3	69.8	7.9	5.1	11.8	73.7	2.73	64.3	69.8	7.9	5.1	11.8
			80	70.7	3.62	58.3	98.8	5.7	1.4	3.1	71.3	3.43	59.6	89.5	6.1	4.8	11.0	71.3	3.43	59.6	89.5	6.1	4.8	11.0
			100	68.1	4.62	52.3	118.2	4.3	1.3	2.9	68.7	4.36	53.8	109.2	4.6	4.5	10.4	68.7	4.36	53.8	109.2	4.6	4.5	10.4
			120								66.0	5.63	46.8	128.8	3.4	4.3	9.8	66.0	5.63	46.8	128.8	3.4	4.3	9.8
	11.25	3.0 (7.0)	60	75.6	2.90	65.7	80.2	7.6	1.4	3.3	76.3	2.75	66.9	70.2	8.1	5.1	11.7	76.3	2.75	66.9	70.2	8.1	5.1	11.7
			80	72.8	3.64	60.4	99.4	5.9	1.3	3.1	73.6	3.44	61.8	89.8	6.3	4.8	11.0	73.6	3.44	61.8	89.8	6.3	4.8	11.0
			100	69.9	4.64	54.0	118.6	4.4	1.3	2.9	70.6	4.38	55.7	109.4	4.7	4.5	10.4	70.6	4.38	55.7	109.4	4.7	4.5	10.4
			120								67.5	5.64	48.2	129.0	3.5	4.3	9.8	67.5	5.64	48.2	129.0	3.5	4.3	9.8
	15	5.1 (11.7)	60	77.0	2.92	67.1	80.5	7.7	1.4	3.3	77.8	2.76	68.3	70.4	8.3	5.1	11.7	77.8	2.76	68.3	70.4	8.3	5.1	11.7
			80	74.0	3.65	61.5	99.7	5.9	1.3	3.1	74.8	3.45	63.0	90.0	6.4	4.8	11.0	74.8	3.45	63.0	90.0	6.4	4.8	11.0
			100	70.8	4.65	55.0	118.9	4.5	1.3	2.9	71.6	4.38	56.6	109.5	4.8	4.5	10.4	71.6	4.38	56.6	109.5	4.8	4.5	10.4
			120								68.3	5.65	49.0	129.1	3.5	4.3	9.8	68.3	5.65	49.0	129.1	3.5	4.3	9.8
90	7.5	1.4 (3.2)	60	91.4	3.05	81.0	84.4	8.8	1.4	3.3	92.5	2.86	82.7	72.3	9.5	5.1	11.7	92.5	2.86	82.7	72.3	9.5	5.1	11.7
			80	87.7	3.78	74.8	103.4	6.8	1.3	3.1	88.8	3.54	76.8	91.8	7.4	4.8	11.0	88.8	3.54	76.8	91.8	7.4	4.8	11.0
			100	83.7	4.79	67.4	122.3	5.1	1.3	2.9	84.9	4.47	69.6	111.3	5.6	4.5	10.3	84.9	4.47	69.6	111.3	5.6	4.5	10.3
			120								80.7	5.74	61.1	130.8	4.1	4.2	9.8	80.7	5.74	61.1	130.8	4.1	4.2	9.8
	11.25	2.9 (6.6)	60	95.1	3.08	84.6	85.4	9.0	1.4	3.3	96.4	2.89	86.5	72.9	9.8	5.1	11.7	96.4	2.89	86.5	72.9	9.8	5.1	11.7
			80	90.8	3.81	77.8	104.2	7.0	1.3	3.1	92.2	3.56	80.0	92.3	7.6	4.7	11.0	92.2	3.56	80.0	92.3	7.6	4.7	11.0
			100	86.3	4.82	69.9	123.0	5.3	1.3	2.9	87.7	4.49	72.3	111.7	5.7	4.5	10.3	87.7	4.49	72.3	111.7	5.7	4.5	10.3
			120								82.9	5.76	63.3	131.1	4.2	4.2	9.8	82.9	5.76	63.3	131.1	4.2	4.2	9.8
	15	4.8 (11.0)	60	97.1	3.10	86.5	85.9	9.2	1.4	3.3	98.5	2.91	88.6	73.1	9.9	5.1	11.7	98.5	2.91	88.6	73.1	9.9	5.1	11.7
			80	92.5	3.83	79.4	104.7	7.1	1.3	3.1	94.0	3.58	81.8	92.5	7.7	4.7	11.0	94.0	3.58	81.8	92.5	7.7	4.7	11.0
			100	87.7	4.83	71.2	123.4	5.3	1.3	2.9	89.2	4.50	73.8	111.9	5.8	4.5	10.3	89.2	4.50	73.8	111.9	5.8	4.5	10.3
			120																					

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WT071 – Part Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	9 GPM							13.5 GPM							18 GPM							
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	9	4.3 (1.9)	50	40.8	2.04	47.8	40.9	20.0	4.4	1.9	41.9	2.04	48.8	43.8	20.6	9.2	4.0	42.4	2.03	49.3	45.3	20.9	15.3	6.6
			60	47.7	2.00	54.6	49.4	23.8	4.3	1.9	49.1	2.00	55.9	52.7	24.6	8.9	3.8	49.8	2.00	56.6	54.5	25.0	14.9	6.4
			70	55.4	1.97	62.1	57.7	28.1	4.2	1.8	57.1	1.97	63.8	61.5	29.0	8.6	3.7	58.0	1.96	64.8	63.6	29.5	14.4	6.2
			80	63.9	1.95	70.5	65.8	32.7	4.0	1.8	66.0	1.95	72.7	70.2	33.9	8.3	3.6	67.2	1.94	73.8	72.5	34.6	13.9	6.0
			90																					
	13.5	7.8 (3.4)	50	41.1	1.98	47.8	40.9	20.8	4.4	1.9	42.1	1.97	48.8	43.8	21.4	9.2	4.0	42.7	1.97	49.4	45.3	21.7	15.3	6.6
			60	48.1	1.93	54.7	49.3	24.9	4.3	1.9	49.4	1.93	56.0	52.7	25.7	8.9	3.8	50.1	1.92	56.7	54.4	26.1	14.9	6.4
			70	55.8	1.89	62.3	57.6	29.5	4.2	1.8	57.6	1.89	64.0	61.5	30.5	8.6	3.7	58.5	1.88	64.9	63.5	31.1	14.4	6.2
			80	64.4	1.86	70.7	65.7	34.6	4.0	1.8	66.6	1.86	73.0	70.1	35.9	8.3	3.6	67.8	1.85	74.1	72.5	36.6	13.9	6.0
			90																					
	18	12.0 (5.2)	50	41.2	1.95	47.8	40.8	21.2	4.4	1.9	42.2	1.94	48.9	43.7	21.8	9.2	4.0	42.8	1.93	49.4	45.2	22.1	15.3	6.6
			60	48.2	1.90	54.7	49.3	25.4	4.3	1.9	49.6	1.89	56.0	52.7	26.2	8.9	3.8	50.3	1.89	56.7	54.4	26.7	14.9	6.4
			70	56.0	1.85	62.4	57.6	30.2	4.2	1.8	57.8	1.85	64.1	61.4	31.3	8.6	3.7	58.7	1.84	65.0	63.5	31.9	14.4	6.2
			80	64.6	1.82	70.9	65.6	35.5	4.0	1.8	66.9	1.81	73.1	70.1	36.9	8.3	3.6	68.1	1.81	74.3	72.4	37.7	13.9	6.0
			90																					
70	9	12.3 (5.3)	50	37.9	2.79	47.4	41.6	13.6	4.4	1.9	38.8	2.78	48.3	44.3	13.9	9.2	4.0	39.3	2.78	48.7	45.6	14.1	15.3	6.6
			60	44.4	2.73	53.7	50.1	16.2	4.3	1.9	45.5	2.72	54.8	53.3	16.7	8.9	3.8	46.1	2.72	55.4	54.9	17.0	14.8	6.4
			70	51.5	2.68	60.7	58.6	19.2	4.2	1.8	53.0	2.67	62.1	62.1	19.8	8.6	3.7	53.8	2.67	62.9	64.0	20.2	14.4	6.2
			80	59.4	2.63	68.4	66.8	22.6	4.0	1.7	61.3	2.62	70.3	70.9	23.4	8.3	3.6	62.3	2.62	71.3	73.1	23.8	13.9	6.0
			90	68.1	2.60	76.9	74.9	26.2	3.9	1.7	70.4	2.59	79.3	79.6	27.2	8.1	3.5	71.7	2.58	80.5	82.0	27.8	13.5	5.8
	13.5	4.0 (1.7)	50	38.2	2.72	47.5	41.5	14.0	4.4	1.9	39.1	2.71	48.3	44.2	14.4	9.2	4.0	39.6	2.71	48.8	45.6	14.6	15.3	6.6
			60	44.7	2.66	53.8	50.1	16.8	4.3	1.9	45.9	2.65	54.9	53.2	17.3	8.9	3.8	46.5	2.64	55.5	54.8	17.6	14.8	6.4
			70	52.0	2.60	60.9	58.4	20.0	4.2	1.8	53.5	2.59	62.3	62.1	20.7	8.6	3.7	54.3	2.58	63.1	64.0	21.1	14.4	6.2
			80	60.0	2.54	68.7	66.7	23.6	4.0	1.7	62.0	2.53	70.6	70.8	24.5	8.3	3.6	63.0	2.52	71.6	73.0	25.0	13.9	6.0
			90	68.8	2.50	77.3	74.7	27.6	3.9	1.7	71.3	2.49	79.8	79.4	28.7	8.1	3.5	72.6	2.48	81.1	81.9	29.3	13.5	5.9
	18	8.4 (3.6)	50	38.3	2.69	47.5	41.5	14.3	4.4	1.9	39.2	2.68	48.4	44.2	14.7	9.2	4.0	39.7	2.67	48.8	45.6	14.9	15.3	6.6
			60	44.9	2.62	53.8	50.0	17.1	4.3	1.9	46.1	2.61	55.0	53.2	17.7	8.9	3.8	46.7	2.60	55.6	54.8	18.0	14.8	6.4
			70	52.2	2.55	60.9	58.4	20.4	4.2	1.8	53.8	2.54	62.5	62.0	21.2	8.6	3.7	54.6	2.54	63.3	63.9	21.5	14.4	6.2
			80	60.3	2.50	68.8	66.6	24.2	4.0	1.7	62.3	2.48	70.8	70.8	25.1	8.3	3.6	63.4	2.48	71.8	73.0	25.6	13.9	6.0
			90	69.2	2.45	77.6	74.6	28.3	3.9	1.7	71.7	2.44	80.0	79.4	29.4	8.1	3.5	73.0	2.43	81.3	81.9	30.1	13.5	5.9
90	9	12.6 (5.5)	50	34.3	3.70	46.9	42.4	9.3	4.4	1.9	35.1	3.69	47.6	44.8	9.5	9.2	4.0	35.4	3.68	48.0	46.1	9.6	15.3	6.6
			60	40.3	3.62	52.6	51.0	11.1	4.3	1.9	41.2	3.60	53.5	53.9	11.5	8.9	3.8	41.8	3.60	54.0	55.4	11.6	14.8	6.4
			70	46.9	3.53	59.0	59.6	13.3	4.2	1.8	48.2	3.52	60.2	62.9	13.7	8.6	3.7	48.8	3.51	60.8	64.6	13.9	14.4	6.2
			80	54.2	3.46	66.0	67.9	15.7	4.0	1.7	55.8	3.44	67.6	71.7	16.2	8.3	3.6	56.7	3.44	68.4	73.7	16.5	13.9	6.0
			90	62.3	3.39	73.8	76.2	18.4	3.9	1.7	64.3	3.38	75.8	80.5	19.0	8.1	3.5							
	13.5	8.9 (3.9)	50	34.7	3.61	47.0	42.3	9.6	4.4	1.9	35.4	3.60	47.7	44.8	9.8	9.2	4.0	35.8	3.59	48.1	46.0	10.0	15.3	6.6
			60	40.7	3.52	52.7	51.0	11.6	4.3	1.9	41.7	3.50	53.7	53.8	11.9	8.9	3.8	42.2	3.50	54.2	55.3	12.1	14.8	6.4
			70	47.5	3.43	59.2	59.5	13.8	4.2	1.8	48.7	3.41	60.4	62.8	14.3	8.6	3.7	49.4	3.41	61.0	64.5	14.5	14.4	6.2
			80	54.9	3.35	66.3	67.8	16.4	4.0	1.7	56.6	3.33	67.9	71.6	17.0	8.3	3.6	57.4	3.32	68.8	73.6	17.3	13.9	6.0
			90	63.1	3.27	74.3	76.0	19.3	3.9	1.7	65.2	3.25	76.3	80.3	20.0	8.1	3.5							
	18	4.8 (2.1)	50	34.8	3.57	47.0	42.3	9.8	4.4	1.9	35.6	3.55	47.7	44.7	10.0	9.2	4.0	36.0	3.55	48.1	46.0	10.1	15.3	6.6
			60	40.9	3.47	52.8	50.9	11.8	4.3	1.9	41.9	3.46	53.7	53.8	12.1	8.9	3.8	42.5	3.45	54.2	55.3	12.3	14.8	6.4
			70	47.7	3.38	59.2	59.4	14.1	4.2	1.8	49.0	3.36	60.5	62.7	14.6	8.6	3.7	49.7	3.35	61.2	64.5	14.8	14.4	6.2
			80	55.3	3.29	66.5	67.7	16.8	4.0	1.7	56.9	3.27	68.1	71.6	17.4	8.3	3.6	57.8	3.26	69.0	73.6	17.7	13.9	6.0
			90	63.5	3.21	74.5	75.9	19.8	3.9	1.7	65.7	3.19	76.5	80.3	20.6	8.1	3.5							
110	9	7.8 (3.4)	50	30.0	4.92	46.8	43.3	6.1	4.4	1.9	30.6	4.90	47.3	45.5	6.2	9.1	4.0	30.9	4.90	47.6	46.6	6.3	15.3	6.6
			60	35.4	4.80	51.8	52.1	7.4	4.3	1.9	36.2	4.78	52.5	54.6	7.6	8.8	3.8	36.6	4.77	52.9	55.9	7.7	14.8	6.4
			70	41.5	4.68	57.4	60.8	8.9	4.1	1.8	42.5	4.67	58.4	63.7	9.1	8.6	3.7	43.0	4.66	58.9	65.2	9.2	14.3	6.2
			80	48.2	4.57	63.8	69.3	10.5	4.0	1.7	49.5	4.55	65.0	72.7	10.9	8.3	3.6	50.2	4.54	65.7	74.4	11.0	13.9	6.0
			90	55.6	4.47	70.8	77.7	12.4	3.9	1.7														
	13.5	13.2 (5.7)	50	30.4	4.79	46.8	43.2	6.3	4.4	1.9	31.0	4.78	47.3	45.4	6.5	9.1	4.0	31.3	4.77	47.6	46.5	6.6	15.3	6.6
			60	35.9	4.67	51.8	52.0	7.7	4.3	1.9	36.7	4.65	52.6	54.6	7.9	8.8	3.8	37.1	4.64	53.0	55.9	8.0	14.8	6.4
			70	42.1	4.54	57.6	60.6	9.3	4.1	1.8	43.1	4.52	58.6	63.6	9.5	8.6	3.7	43.7	4.51	59.1	65.1	9.7	14.3	6.2
			80	48.9	4.42	64.0	69.1	11.1	4.0	1.7	50.3	4.40	65.3	72.5	11.4	8.3	3.6	51.0	4.39	66.0	74.3	11.6	13.9	6.0
			90	56.5	4.31	71.2	77.4	13.1	3.9	1.7														
	18	6.0 (2.6)	50	30.6	4.74	46.8	43.2	6.5	4.4	1.9	31.2	4.72	47.3	45.4	6.6	9.1	4.0	31.5	4.71	47.6	46.5	6.7	15.3	6.6
			60	36.2	4.60	51.9	52.0	7.9	4.3	1.9	37.0	4.59	52.6	54.5	8.1	8.8	3.8	37.4	4.58	53.0	55.8	8.2	14.8	6.4
			70	42.4	4.47	57.7	60.6	9.5	4.2	1.8	43.5	4.45	58.7	63.6	9.8	8.6	3.7	44.0	4.44	59.2	65.1	9.9	14.3	6.2
			80	49.3	4.35	64.2	69.0	11.3	4.0	1.7	50.7	4.32	65.5	72.5	11.7	8.3	3.6	51.4	4.31	66.1	74.3	11.9	13.9	6.0
			90	57.0	4.23	71.4	77.3	13.5	3.9	1.7														

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

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Capacity Data

WT071 – Part Load – Heating

Heating																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	9 GPM							13.5 GPM							18 GPM							
				Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	9	2.0 (4.7)	60	36.8	2.51	28.2	68.2	4.3	1.8	4.2														
			80	37.2	3.36	25.8	88.3	3.2	1.7	3.9	37.2	3.26	26.0	84.1	3.3	5.9	13.7	37.2	3.26	26.0	84.1	3.3	5.9	13.7
			100	37.9	4.46	22.7	108.4	2.5	1.6	3.7	37.8	4.33	23.0	104.2	2.6	5.6	12.9	37.8	4.33	23.0	104.2	2.6	5.6	12.9
			120	39.2	5.96	18.9	128.7	1.9	1.5	3.5	39.0	5.8	19.32	124.3	2.0	5.3	12.2	39.0	5.8	19.32	124.3	2.0	5.3	12.2
	13.5	4.2 (9.8)	60	37.3	2.50	28.7	68.3	4.4	1.8	4.2														
			80	37.6	3.35	26.2	88.4	3.3	1.7	3.9	37.6	3.25	26.5	84.2	3.4	5.9	13.7	37.6	3.25	26.5	84.2	3.4	5.9	13.7
			100	38.2	4.45	23.0	108.5	2.5	1.6	3.7	38.1	4.32	23.4	104.2	2.6	5.6	12.9	38.1	4.32	23.4	104.2	2.6	5.6	12.9
			120	39.5	5.96	19.1	128.8	1.9	1.5	3.5	39.3	5.77	19.6	124.4	2.0	5.3	12.2	39.3	5.77	19.6	124.4	2.0	5.3	12.2
	18	7.1 (16.4)	60	37.5	2.50	29.0	68.3	4.4	1.8	4.2														
			80	37.9	3.35	26.4	88.4	3.3	1.7	3.9	37.8	3.25	26.7	84.2	3.4	5.9	13.7	37.8	3.25	26.7	84.2	3.4	5.9	13.7
			100	38.4	4.45	23.2	108.5	2.5	1.6	3.7	38.3	4.31	23.6	104.3	2.6	5.6	12.9	38.3	4.31	23.6	104.3	2.6	5.6	12.9
			120	39.6	5.95	19.3	128.8	1.9	1.5	3.5	39.4	5.76	19.7	124.4	2.0	5.3	12.2	39.4	5.76	19.7	124.4	2.0	5.3	12.2
50	9	1.9 (4.4)	60	47.7	2.41	39.5	70.6	5.8	1.8	4.2	47.7	2.31	39.8	65.3	6.1	6.3	14.6	47.7	2.31	39.8	65.3	6.1	6.3	14.6
			80	47.2	3.22	36.2	90.5	4.3	1.7	3.9	47.2	3.10	36.7	85.2	4.5	5.9	13.7	47.2	3.10	36.7	85.2	4.5	5.9	13.7
			100	46.8	4.26	32.3	110.4	3.2	1.6	3.7	46.8	4.11	32.8	105.2	3.3	5.6	12.8	46.8	4.11	32.8	105.2	3.3	5.6	12.8
			120	46.9	5.69	27.5	130.4	2.4	1.5	3.5	46.9	5.48	28.2	125.2	2.5	5.3	12.2	46.9	5.48	28.2	125.2	2.5	5.3	12.2
	13.5	4.0 (9.2)	60	48.6	2.40	40.4	70.8	5.9	1.8	4.1	48.7	2.30	40.8	65.4	6.2	6.3	14.6	48.7	2.30	40.8	65.4	6.2	6.3	14.6
			80	48.0	3.21	37.0	90.7	4.4	1.7	3.9	48.0	3.09	37.5	85.3	4.6	5.9	13.7	48.0	3.09	37.5	85.3	4.6	5.9	13.7
			100	47.4	4.25	32.9	110.5	3.3	1.6	3.7	47.5	4.09	33.5	105.3	3.4	5.6	12.8	47.5	4.09	33.5	105.3			

Capacity Data

WT071 – Full Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	9 GPM							13.5 GPM							18 GPM							
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	9	4.2 (1.8)	50	55.9	3.03	66.2	37.6	18.4	4.5	1.9	57.7	3.04	68.1	41.4	19.0	9.2	4.0	58.7	3.05	69.1	43.5	19.3	15.4	6.7
			60	64.9	3.09	75.5	45.6	21.0	4.3	1.9	67.3	3.11	78.0	50.0	21.7	8.9	3.9	68.6	3.12	79.3	52.4	22.0	14.9	6.5
			70	74.9	3.16	85.7	53.3	23.7	4.2	1.8	78.0	3.18	88.9	58.4	24.5	8.6	3.7	79.7	3.19	90.6	61.1	24.9	14.4	6.3
			80	85.9	3.24	96.9	60.9	26.5	4.1	1.8	89.7	3.27	100.9	66.7	27.4	8.4	3.6	91.8	3.29	103.0	69.8	27.9	14.0	6.1
			90	97.7	3.33	109.1	68.3	29.3	4.0	1.7														
	13.5	7.7 (3.3)	50	56.3	2.93	66.3	37.5	19.2	4.5	1.9	58.2	2.94	68.3	41.4	19.8	9.2	4.0	59.3	2.95	69.3	43.4	20.1	15.4	6.7
			60	65.6	2.98	75.7	45.4	22.0	4.3	1.9	68.0	2.99	78.3	49.9	22.7	8.9	3.9	69.4	3.00	79.6	52.3	23.1	14.9	6.5
			70	75.7	3.04	86.1	53.2	25.0	4.2	1.8	78.9	3.05	89.3	58.3	25.8	8.6	3.7	80.6	3.06	91.1	61.0	26.3	14.4	6.3
			80	86.9	3.10	97.5	60.7	28.0	4.1	1.8	90.9	3.12	101.6	66.5	29.1	8.4	3.6	93.1	3.14	103.8	69.7	29.7	14.0	6.1
			90																					
	18	11.9 (5.2)	50	56.6	2.88	66.4	37.4	19.6	4.5	1.9	58.5	2.89	68.4	41.3	20.2	9.2	4.0	59.5	2.90	69.4	43.4	20.6	15.4	6.7
			60	65.9	2.93	75.8	45.4	22.5	4.3	1.9	68.4	2.94	78.4	49.9	23.3	8.9	3.9	69.7	2.94	79.8	52.3	23.7	14.9	6.5
			70	76.1	2.97	86.3	53.1	25.6	4.2	1.8	79.4	2.99	89.6	58.2	26.6	8.6	3.7	81.1	3.00	91.3	61.0	27.1	14.4	6.3
			80	87.4	3.03	97.8	60.6	28.9	4.1	1.8	91.5	3.05	101.9	66.4	30.0	8.4	3.6	93.7	3.06	104.1	69.6	30.6	14.0	6.1
			90																					
70	9	12.2 (5.3)	50	51.7	3.84	64.8	38.5	13.5	4.5	1.9	53.3	3.85	66.4	42.1	13.8	9.2	4.0	54.1	3.86	67.3	44.0	14.0	15.4	6.7
			60	60.1	3.90	73.4	46.6	15.4	4.3	1.9	62.2	3.92	75.5	50.8	15.9	8.9	3.9	63.3	3.93	76.7	53.0	16.1	14.9	6.4
			70	69.4	3.98	83.0	54.6	17.5	4.2	1.8	72.1	4.00	85.7	59.3	18.0	8.6	3.7	73.5	4.01	87.2	61.8	18.3	14.4	6.2
			80	79.6	4.06	93.5	62.3	19.6	4.1	1.8	82.9	4.09	96.9	67.7	20.3	8.4	3.6	84.7	4.10	98.7	70.6	20.7	14.0	6.1
			90	90.7	4.15	104.9	69.8	21.9	4.0	1.7	94.8	4.19	109.1	76.0	22.7	8.1	3.5	97.0	4.21	111.4	79.2	23.1	13.6	5.9
	13.5	4.0 (1.7)	50	52.2	3.74	65.0	38.4	14.0	4.5	1.9	53.9	3.75	66.6	42.0	14.4	9.2	4.0	54.7	3.75	67.5	43.9	14.6	15.4	6.7
			60	60.8	3.79	73.7	46.5	16.0	4.3	1.9	62.9	3.80	75.9	50.7	16.6	8.9	3.9	64.1	3.81	77.1	52.9	16.8	14.9	6.4
			70	70.3	3.85	83.4	54.4	18.3	4.2	1.8	73.1	3.86	86.2	59.2	18.9	8.6	3.7	74.5	3.87	87.7	61.7	19.3	14.4	6.2
			80	80.8	3.91	94.1	62.1	20.7	4.1	1.8	84.2	3.93	97.6	67.5	21.4	8.4	3.6	86.1	3.94	99.5	70.4	21.8	14.0	6.1
			90	92.1	3.98	105.7	69.5	23.1	4.0	1.7	96.4	4.01	110.1	75.7	24.0	8.1	3.5	98.8	4.03	112.5	79.0	24.5	13.6	5.9
	18	8.3 (3.6)	50	52.5	3.69	65.1	38.3	14.2	4.5	1.9	54.1	3.70	66.8	42.0	14.7	9.2	4.0	55.0	3.70	67.7	43.9	14.9	15.4	6.7
			60	61.2	3.73	73.9	46.4	16.4	4.3	1.9	63.3	3.74	76.1	50.6	16.9	8.9	3.9	64.5	3.75	77.3	52.8	17.2	14.9	6.4
			70	70.8	3.78	83.7	54.3	18.7	4.2	1.8	73.6	3.79	86.5	59.1	19.4	8.6	3.7	75.1	3.80	88.0	61.7	19.7	14.4	6.2
			80	81.3	3.83	94.4	61.9	21.2	4.1	1.8	84.9	3.85	98.0	67.4	22.0	8.4	3.6	86.8	3.86	100.0	70.4	22.5	14.0	6.1
			90	92.9	3.90	106.2	69.4	23.8	4.0	1.7	97.3	3.92	110.6	75.6	24.8	8.1	3.5	99.7	3.94	113.1	78.9	25.3	13.6	5.9
90	9	12.6 (5.5)	50	46.6	4.75	62.9	39.6	9.8	4.5	1.9	48.0	4.77	64.2	42.9	10.1	9.2	4.0	48.7	4.77	65.0	44.6	10.2	15.4	6.7
			60	54.4	4.83	70.9	47.9	11.3	4.3	1.9	56.1	4.85	72.7	51.7	11.6	8.9	3.8	57.0	4.86	73.6	53.7	11.7	14.9	6.4
			70	63.0	4.92	79.8	56.0	12.8	4.2	1.8	65.2	4.94	82.1	60.3	13.2	8.6	3.7	66.4	4.95	83.3	62.6	13.4	14.4	6.2
			80	72.4	5.01	89.5	63.9	14.5	4.1	1.8	75.2	5.04	92.4	68.9	14.9	8.4	3.6	76.7	5.05	93.9	71.5	15.2	14.0	6.0
			90	82.7	5.11	100.1	71.6	16.2	3.9	1.7	86.1	5.15	103.7	77.2	16.7	8.1	3.5	88.0	5.16	105.6	80.2	17.0	13.6	5.9
	13.5	8.9 (3.8)	50	47.3	4.64	63.1	39.5	10.2	4.5	1.9	48.6	4.65	64.5	42.8	10.5	9.2	4.0	49.4	4.66	65.3	44.5	10.6	15.4	6.7
			60	55.2	4.70	71.3	47.7	11.7	4.3	1.9	57.0	4.72	73.1	51.6	12.1	8.9	3.8	58.0	4.72	74.1	53.6	12.3	14.9	6.4
			70	64.0	4.77	80.3	55.8	13.4	4.2	1.8	66.3	4.78	82.6	60.2	13.9	8.6	3.7	67.5	4.79	83.9	62.5	14.1	14.4	6.2
			80	73.7	4.84	90.2	63.6	15.2	4.1	1.8	76.6	4.86	93.2	68.7	15.8	8.4	3.6	78.2	4.87	94.8	71.3	16.1	14.0	6.0
			90	84.3	4.92	101.0	71.3	17.1	3.9	1.7	87.9	4.94	104.8	77.0	17.8	8.1	3.5	89.9	4.96	106.8	80.0	18.1	13.6	5.9
	18	4.7 (2.1)	50	47.6	4.58	63.2	39.4	10.4	4.5	1.9	49.0	4.59	64.6	42.7	10.7	9.2	4.0	49.7	4.60	65.4	44.5	10.8	15.4	6.7
			60	55.6	4.64	71.4	47.6	12.0	4.3	1.9	57.4	4.65	73.3	51.5	12.4	8.9	3.8	58.4	4.65	74.3	53.5	12.6	14.9	6.4
			70	64.5	4.69	80.5	55.7	13.8	4.2	1.8	66.9	4.71	82.9	60.1	14.2	8.6	3.7	68.1	4.71	84.2	62.4	14.5	14.4	6.2
			80	74.3	4.75	90.5	63.5	15.6	4.1	1.8	77.3	4.77	93.6	68.5	16.2	8.4	3.6	78.9	4.78	95.2	71.2	16.5	14.0	6.0
			90	85.1	4.82	101.5	71.1	17.6	3.9	1.7	88.8	4.84	105.3	76.8	18.3	8.1	3.5	90.8	4.86	107.4	79.9	18.7	13.6	5.9
110	9	7.8 (3.4)	50	40.7	5.87	60.7	41.0	6.9	4.4	1.9	41.7	5.89	61.8	43.8	7.1	9.2	4.0	42.2	5.89	62.4	45.3	7.2	15.3	6.6
			60	47.7	5.97	68.1	49.4	8.0	4.3	1.9	49.1	5.99	69.5	52.7	8.2	8.9	3.8	49.8	6.00	70.3	54.5	8.3	14.9	6.4
			70	55.5	6.08	76.3	57.7	9.1	4.2	1.8	57.3	6.10	78.1	61.5	9.4	8.6	3.7	58.2	6.11	79.1	63.5	9.5	14.4	6.2
			80	64.1	6.19	85.3	65.7	10.4	4.0	1.8	66.4	6.21	87.6	70.2	10.7	8.3	3.6	67.6	6.23	88.8	72.5	10.9	13.9	6.0
			90	73.5	6.30	95.1	73.7	11.7	3.9	1.7	76.4	6.34	98.0	78.7	12.0	8.1	3.5							
	13.5	13.2 (5.7)	50	41.4	5.73	60.9	40.8	7.2	4.4	1.9	42.5	5.74	62.1	43.7	7.4	9.2	4.0	43.0	5.75	62.7	45.2	7.5	15.4	6.6
			60	48.6	5.81	68.5	49.2	8.4	4.3	1.9	50.1	5.83	69.9	52.6	8.6	8.9	3.8	50.8	5.84	70.7	54.4	8.7	14.9	6.4
			70	56.7	5.89	76.8	57.4	9.6	4.2	1.8	58.5	5.91	78.7	61.3	9.9	8.6	3.7	59.5	5.92	79.7	63.4	10.0	14.4	6.2
			80	65.5	5.98	85.9	65.4	11.0	4.0	1.8	67.9	6.00	88.4	69.9	11.3	8.3	3.6	69.2	6.01	89.7	72.3	11.5	13.9	6.0
			90	75.3	6.07	96.0	73.3	12.4	3.9	1.7	78.2	6.10	99.1	78.4	12.8	8.1	3.5							
	18	5.9 (2.6)	50	41.7	5.66	61.1	40.7	7.4	4.4	1.9	42.9	5.67	62.2	43.7	7.6	9.2	4.0	43.4	5.68	62.8	45.2	7.6	15.4	6.6
			60	49.1	5.73	68.6	49.1	8.6	4.3	1.9	50.5	5.75	70.2	52.5	8.8	8.9	3.8	51.3	5.75	71.0	54.3	8.9	14.9	6.4
			70	57.2	5.81	77.0	57.3	9.9	4.2	1.8	59.1	5.82	79.0	61.2	10.2	8.6	3.7	60.2	5.83	80.0	63.3	10.3	14.4	6.2
			80	66.2	5.88	86.3	65.3	11.3	4.1	1.8	68.7	5.90	88.8	69.8	11.6	8.3	3.6	70.0	5.91	90.1	72.2	11.8	13.9	6.0
			90	76.1	5.96	96.4	73.1	12.8	3.9	1.7	79.2	5.98	99.6	78.3	13.2	8.1	3.5							

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WT071 – Full Load – Heating

Heating																									
				9 GPM							13.5 GPM							18 GPM							
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	9	2.1 (4.8)	60																					
			80																					
			100																					
			120																					
	13.5	4.3 (9.8)	60																					
			80																					
			100	49.3	5.10	31.9	110.9	2.8	1.6	3.7	49.4	4.96	32.5	105.5	2.9	5.6	12.8	49.4	4.96	32.5	105.5	2.9	5.6	12.8
			120	47.9	6.30	26.4	130.6	2.2	1.5	3.5	48.1	6.12	27.2	125.3	2.3	5.3	12.1	48.1	6.12	27.2	125.3	2.3	5.3	12.1
	18	7.1 (16.4)	60	51.8	3.32	40.5	71.5	4.6	1.8	4.1	51.9	3.20	41.0	65.8	4.7	6.3	14.6	51.9	3.20	41.0	65.8	4.7	6.3	14.6
			80	50.9	4.14	36.8	91.3	3.6	1.7	3.9	51.0	4.02	37.3	85.7	3.7	5.9	13.6	51.0	4.02	37.3	85.7	3.7	5.9	13.6
			100	49.6	5.11	32.2	111.0	2.8	1.6	3.7	49.8	4.96	32.9	105.5	2.9	5.6	12.8	49.8	4.96	32.9	105.5	2.9	5.6	12.8
			120	48.2	6.30	26.7	130.7	2.2	1.5	3.5	48.4	6.12	27.5	125.4	2.3	5.3	12.1	48.4	6.12	27.5	125.4	2.3	5.3	12.1
50	9	1.9 (4.5)	60	65.5	3.43	53.9	74.6	5.6	1.8	4.1	65.8	3.28	54.6	67.3	5.9	6.3	14.5	65.8	3.28	54.6	67.3	5.9	6.3	14.5
			80	63.8	4.28	49.3	94.2	4.4	1.7	3.9	64.2	4.12	50.1	87.1	4.6	5.9	13.6	64.2	4.12	50.1	87.1	4.6	5.9	13.6
			100	61.8	5.28	43.8	113.7	3.4	1.6	3.6	62.2	5.09	44.8	106.9	3.6	5.5	12.8	62.2	5.09	44.8	106.9	3.6	5.5	12.8
			120	59.5	6.53	37.3	133.2	2.7	1.5	3.5	59.9	6.30	38.4	126.7	2.8	5.3	12.1	59.9	6.30	38.4	126.7	2.8	5.3	12.1
	13.5	4.0 (9.2)	60	67.3	3.44	55.6	75.0	5.7	1.8	4.1	67.6	3.29	56.4	67.5	6.0	6.3	14.5	67.6	3.29	56.4	67.5	6.0	6.3	14.5
			80	65.4	4.29	50.7	94.5	4.5	1.7	3.9	65.7	4.13	51.7	87.3	4.7	5.9	13.6	65.7	4.13	51.7	87.3	4.7	5.9	13.6
			100	63.0	5.30	45.0	114.0	3.5	1.6	3.6	63.5	5.10	46.0	107.1	3.6	5.5	12.8	63.5	5.10	46.0	107.1	3.6	5.5	12.8
			120	60.5	6.55	38.2	133.4	2.7	1.5	3.5	60.9	6.32	39.4	126.8	2.8	5.2	12.1	60.9	6.32	39.4	126.8	2.8	5.2	12.1
	18	6.7 (15.4)	60	68.3	3.45	56.5	75.2	5.8	1.8	4.1	68.6	3.29	57.4	67.6	6.1	6.3	14.5	68.6	3.29	57.4	67.6	6.1	6.3	14.5
			80	66.2	4.30	51.5	94.7	4.5	1.7	3.9	66.6	4.13	52.5	87.4	4.7	5.9	13.6	66.6	4.13	52.5	87.4	4.7	5.9	13.6
			100	63.7	5.30	45.6	114.2	3.5	1.6	3.6	64.1	5.11	46.7	107.1	3.7	5.5	12.8	64.1	5.11	46.7	107.1	3.7	5.5	12.8
			120	61.0	6.56	38.6	133.6	2.7	1.5	3.5	61.5	6.32	39.9	126.8	2.9	5.2	12.1	61.5	6.32	39.9	126.8	2.9	5.2	12.1
70	9	1.8 (4.2)	60	84.4	3.56	72.3	78.8	7.0	1.8	4.1	85.1	3.37	73.6	69.5	7.4	6.3	14.5	85.1	3.37	73.6	69.5	7.4	6.3	14.5
			80	81.4	4.43	66.3	98.1	5.4	1.7	3.8	82.2	4.22	67.8	89.1	5.7	5.9	13.6	82.2	4.22	67.8	89.1	5.7	5.9	13.6
			100	78.1	5.46	59.4	117.3	4.2	1.6	3.6	78.8	5.22	61.0	108.8	4.4	5.5	12.8	78.8	5.22	61.0	108.8	4.4	5.5	12.8
			120								75.2	6.47	53.2	128.4	3.4	5.2	12.1	75.2	6.47	53.2	128.4	3.4	5.2	12.1
	13.5	3.7 (8.6)	60	87.3	3.58	75.1	79.4	7.2	1.8	4.1	88.1	3.38	76.6	69.8	7.6	6.3	14.5	88.1	3.38	76.6	69.8	7.6	6.3	14.5
			80	83.9	4.45	68.7	98.6	5.5	1.7	3.8	84.8	4.23	70.3	89.4	5.9	5.9	13.6	84.8	4.23	70.3	89.4	5.9	5.9	13.6
			100	80.1	5.49	61.4	117.8	4.3	1.6	3.6	81.0	5.23	63.1	109.0	4.5	5.5	12.8	81.0	5.23	63.1	109.0	4.5	5.5	12.8
			120								77.0	6.48	54.8	128.6	3.5	5.2	12.1	77.0	6.48	54.8	128.6	3.5	5.2	12.1
	18	6.2 (14.4)	60	88.9	3.59	76.7	79.8	7.3	1.8	4.1	89.8	3.39	78.2	70.0	7.8	6.3	14.5	89.8	3.39	78.2	70.0	7.8	6.3	14.5
			80	85.3	4.46	70.1	98.9	5.6	1.7	3.8	86.2	4.24	71.7	89.6	6.0	5.9	13.6	86.2	4.24	71.7	89.6	6.0	5.9	13.6
			100	81.2	5.50	62.5	118.0	4.3	1.6	3.6	82.2	5.24	64.3	109.1	4.6	5.5	12.8	82.2	5.24	64.3	109.1	4.6	5.5	12.8
			120								77.9	6.49	55.7	128.7	3.5	5.2	12.1	77.9	6.49	55.7	128.7	3.5	5.2	12.1
90	9	1.7 (3.9)	60	107.1	3.73	94.3	83.8	8.4	1.8	4.1	108.3	3.49	96.4	72.0	9.1	6.2	14.4	108.3	3.49	96.4	72.0	9.1	6.2	14.4
			80	102.5	4.61	86.8	102.8	6.5	1.7	3.8	103.9	4.34	89.1	91.5	7.0	5.9	13.5	103.9	4.34	89.1	91.5	7.0	5.9	13.5
			100	97.6	5.67	78.3	121.7	5.0	1.6	3.6	99.0	5.36	80.7	111.0	5.4	5.5	12.7	99.0	5.36	80.7	111.0	5.4	5.5	12.7
			120								93.8	6.63	71.2	130.4	4.1	5.2	12.1	93.8	6.63	71.2	130.4	4.1	5.2	12.1
	13.5	3.5 (8.1)	60	111.6	3.77	98.8	84.8	8.7	1.8	4.1	113.1	3.52	101.1	72.6	9.4	6.2	14.4	113.1	3.52	101.1	72.6	9.4	6.2	14.4
			80	106.4	4.64	90.6	103.7	6.7	1.6	3.8	108.0	4.36	93.2	92.0	7.3	5.8	13.5	108.0	4.36	93.2	92.0	7.3	5.8	13.5
			100	100.9	5.71	81.4	122.4	5.2	1.6	3.6	102.5	5.38	84.1	111.4	5.6	5.5	12.7	102.5	5.38	84.1	111.4	5.6	5.5	12.7
			120								96.6	6.66	73.9	130.7	4.3	5.2	12.1	96.6	6.66	73.9	130.7	4.3	5.2	12.1
	18	5.9 (13.5)	60	114.1	3.79	101.2	85.4	8.8	1.8	4.1	115.8	3.53	103.7	72.9	9.6	6.2	14.4	115.8	3.53	103.7	72.9	9.6	6.2	14.4
			80	108.6	4.66	92.7	104.1	6.8	1.6	3.8	110.3	4.38	95.4	92.3	7.4	5.8	13.5	110.3	4.38	95.4	92.3	7.4	5.8	13.5
			100								104.4	5.39	86.0	111.6	5.7	5.5	12.7	104.4	5.39	86.0	111.6	5.7	5.5	12.7
			120																					

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

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Ratings below 40°F are with a methanol solution.

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Capacity Data

WW120 – Full Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	17.5 GPM							26.25 GPM							35 GPM							
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	17.5	2.1 (4.9)	50	119.5	6.07	140.2	36.3	19.7	5.2	2.3	123.1	6.10	143.9	40.6	20.2	10.8	4.7	125.0	6.12	145.9	42.9	20.4	18.1	7.8
			60	135.3	6.20	156.5	44.5	21.8	5.1	2.2	139.8	6.23	161.0	49.4	22.5	10.5	4.5	142.1	6.24	163.4	51.9	22.8	17.5	7.6
			70	152.4	6.30	173.9	52.6	24.2	4.9	2.1	157.8	6.33	179.4	58.0	24.9	10.1	4.4	160.7	6.34	182.3	60.8	25.3	16.9	7.3
			80	170.7	6.38	192.5	60.5	26.8	4.8	2.1	177.2	6.40	199.0	66.5	27.7	9.8	4.3	180.7	6.41	202.5	69.7	28.2	16.4	7.1
			90	190.3	6.44	212.2	68.3	29.6	4.6	2.0														
	26.25	4.5 (10.4)	50	120.5	6.01	141.0	36.2	20.0	5.2	2.3	124.1	6.04	144.7	40.5	20.6	10.8	4.7	126.0	6.05	146.7	42.8	20.8	18.1	7.8
			60	136.3	6.12	157.2	44.4	22.3	5.1	2.2	140.7	6.15	161.7	49.3	22.9	10.5	4.5	143.1	6.16	164.1	51.8	23.2	17.5	7.6
			70	153.3	6.21	174.5	52.5	24.7	4.9	2.1	158.7	6.23	179.9	57.9	25.5	10.1	4.4	161.6	6.24	182.9	60.8	25.9	16.9	7.3
			80	171.5	6.27	192.9	60.4	27.4	4.8	2.1	178.0	6.28	199.4	66.4	28.4	9.8	4.3	181.5	6.28	202.9	69.6	28.9	16.4	7.1
			90																					
	35	7.6 (17.5)	50	120.9	5.98	141.3	36.2	20.2	5.2	2.3	124.6	6.01	145.1	40.5	20.7	10.8	4.7	126.5	6.03	147.0	42.8	21.0	18.1	7.8
			60	136.7	6.09	157.5	44.4	22.4	5.1	2.2	141.1	6.12	162.0	49.2	23.1	10.5	4.5	143.5	6.13	164.4	51.8	23.4	17.5	7.6
			70	153.7	6.17	174.8	52.4	24.9	4.9	2.1	159.1	6.19	180.2	57.9	25.7	10.1	4.4	162.0	6.20	183.1	60.7	26.1	16.9	7.3
			80	171.9	6.22	193.1	60.4	27.6	4.8	2.1	178.3	6.23	199.6	66.4	28.6	9.8	4.3	181.8	6.23	203.0	69.6	29.2	16.4	7.1
			90																					
70	17.5	2.0 (4.6)	50	110.7	6.96	134.5	37.3	15.9	5.2	2.3	114.2	6.99	138.0	41.3	16.3	10.8	4.7	116.0	7.01	139.9	43.4	16.5	18.0	7.8
			60	127.0	7.12	151.2	45.5	17.8	5.1	2.2	131.2	7.16	155.6	50.0	18.3	10.4	4.5	133.5	7.18	158.0	52.4	18.6	17.5	7.6
			70	144.4	7.27	169.2	53.5	19.9	4.9	2.1	149.6	7.32	174.5	58.6	20.4	10.1	4.4	152.4	7.34	177.4	61.3	20.8	16.9	7.3
			80	163.0	7.42	188.4	61.4	22.0	4.8	2.1	169.3	7.47	194.8	67.1	22.7	9.8	4.2	172.7	7.50	198.2	70.1	23.0	16.4	7.1
			90	182.9	7.57	208.7	69.1	24.1	4.6	2.0	190.3	7.63	216.3	75.5	25.0	9.5	4.1	194.4	7.66	220.5	78.9	25.4	15.9	6.9
	26.25	4.2 (9.7)	50	112.0	6.80	135.2	37.2	16.5	5.2	2.3	115.5	6.83	138.8	41.2	16.9	10.8	4.7	117.4	6.85	140.7	43.3	17.1	18.0	7.8
			60	128.4	6.94	152.1	45.3	18.5	5.1	2.2	132.7	6.97	156.5	49.9	19.0	10.4	4.5	135.0	6.99	158.9	52.3	19.3	17.5	7.6
			70	146.0	7.06	170.1	53.3	20.7	4.9	2.1	151.3	7.10	175.5	58.5	21.3	10.1	4.4	154.1	7.12	178.4	61.2	21.7	16.9	7.3
			80	164.8	7.18	189.3	61.2	22.9	4.8	2.1	171.2	7.22	195.8	67.0	23.7	9.8	4.2	174.6	7.24	199.3	70.0	24.1	16.4	7.1
			90	184.8	7.29	209.7	68.9	25.3	4.6	2.0	192.4	7.33	217.4	75.3	26.3	9.5	4.1	196.6	7.35	221.6	78.8	26.7	15.9	6.9
	35	7.1 (16.4)	50	112.6	6.72	135.6	37.1	16.8	5.2	2.3	116.2	6.75	139.2	41.1	17.2	10.8	4.7	118.1	6.77	141.1	43.3	17.4	18.0	7.8
			60	129.1	6.85	152.5	45.2	18.8	5.1	2.2	133.5	6.88	156.9	49.8	19.4	10.4	4.5	135.8	6.90	159.3	52.2	19.7	17.5	7.6
			70	146.8	6.97	170.5	53.2	21.1	4.9	2.1	152.1	7.00	176.0	58.4	21.7	10.1	4.4	155.0	7.01	178.9	61.1	22.1	16.9	7.3
			80	165.6	7.07	189.8	61.1	23.4	4.8	2.1	172.1	7.10	196.3	66.9	24.2	9.8	4.2	175.5	7.12	199.8	70.0	24.7	16.4	7.1
			90	185.7	7.16	210.1	68.8	25.9	4.6	2.0	193.4	7.19	217.9	75.3	26.9	9.5	4.1	197.6	7.21	222.1	78.7	27.4	15.9	6.9
90	17.5	1.9 (4.4)	50	99.4	8.66	129.0	38.6	11.5	5.2	2.3	102.4	8.69	132.0	42.2	11.8	10.8	4.7	104.0	8.70	133.7	44.1	11.9	18.0	7.8
			60	115.2	8.81	145.3	46.8	13.1	5.1	2.2	119.0	8.85	149.2	50.9	13.4	10.4	4.5	121.0	8.87	151.3	53.1	13.6	17.4	7.5
			70	132.3	8.99	162.9	54.9	14.7	4.9	2.1	136.9	9.03	167.7	59.6	15.2	10.1	4.4	139.4	9.06	170.3	62.0	15.4	16.9	7.3
			80	150.5	9.18	181.8	62.8	16.4	4.8	2.1	156.1	9.24	187.6	68.1	16.9	9.8	4.2	159.1	9.27	190.8	70.9	17.2	16.4	7.1
			90	169.8	9.39	201.8	70.6	18.1	4.6	2.0	176.6	9.46	208.9	76.5	18.7	9.5	4.1	180.2	9.50	212.6	79.7	19.0	15.9	6.9
	26.25	6.7 (15.4)	50	100.9	8.40	129.6	38.5	12.0	5.2	2.3	104.0	8.43	132.8	42.1	12.3	10.8	4.7	105.7	8.44	134.5	44.0	12.5	18.0	7.8
			60	117.1	8.53	146.2	46.6	13.7	5.1	2.2	120.9	8.56	150.2	50.8	14.1	10.4	4.5	123.0	8.58	152.3	53.0	14.3	17.4	7.5
			70	134.4	8.67	164.0	54.6	15.5	4.9	2.1	139.2	8.71	168.9	59.4	16.0	10.1	4.4	141.8	8.73	171.6	61.9	16.2	16.9	7.3
			80	153.0	8.82	183.1	62.5	17.3	4.8	2.1	158.8	8.87	189.1	67.9	17.9	9.8	4.2	162.0	8.89	192.3	70.7	18.2	16.4	7.1
			90	172.7	8.98	203.4	70.3	19.2	4.6	2.0	179.8	9.04	210.6	76.3	19.9	9.5	4.1	183.6	9.07	214.5	79.5	20.2	15.9	6.9
	35	6.7 (15.4)	50	101.7	8.28	129.9	38.4	12.3	5.2	2.3	104.8	8.30	133.2	42.0	12.6	10.8	4.7	106.5	8.31	134.9	43.9	12.8	18.0	7.8
			60	117.9	8.39	146.6	46.5	14.1	5.1	2.2	121.9	8.42	150.6	50.7	14.5	10.4	4.5	124.0	8.44	152.8	52.9	14.7	17.4	7.5
			70	135.5	8.52	164.5	54.5	15.9	4.9	2.1	140.3	8.55	169.5	59.3	16.4	10.1	4.4	143.0	8.57	172.2	61.8	16.7	16.9	7.3
			80	154.2	8.65	183.7	62.4	17.8	4.8	2.1	160.2	8.69	189.8	67.8	18.4	9.8	4.2	163.4	8.71	193.1	70.7	18.7	16.4	7.1
			90	174.2	8.79	204.1	70.1	19.8	4.6	2.0	181.3	8.84	211.5	76.2	20.5	9.5	4.1	185.2	8.86	215.4	79.4	20.9	15.9	6.9
110	17.5	1.8 (4.1)	50	86.1	11.17	124.2	40.2	7.7	5.2	2.3	88.5	11.19	126.7	43.3	7.9	10.7	4.7	89.7	11.20	127.9	44.9	8.0	18.0	7.8
			60	100.7	11.28	139.2	48.5	8.9	5.0	2.2	103.8	11.31	142.4	52.1	9.2	10.4	4.5	105.4	11.33	144.0	54.0	9.3	17.4	7.5
			70	116.6	11.44	155.6	56.7	10.2	4.9	2.1	120.4	11.48	159.6	60.8	10.5	10.1	4.4	122.4	11.50	161.7	63.0	10.6	16.9	7.3
			80	133.6	11.63	173.3	64.7	11.5	4.7	2.1	138.3	11.69	178.2	69.5	11.8	9.8	4.2	140.8	11.72	180.8	72.0	12.0	16.3	7.1
			90	151.8	11.87	192.3	72.7	12.8	4.6	2.0	157.5	11.94	198.2	78.0	13.2	9.5	4.1							
	26.25	3.7 (8.6)	50	87.8	10.83	124.7	40.0	8.1	5.2	2.3	90.3	10.84	127.3	43.1	8.3	10.8	4.7	91.6	10.85	128.6	44.8	8.4	18.0	7.8
			60	102.8	10.91	140.0	48.2	9.4	5.0	2.2	106.0	10.93	143.3	51.9	9.7	10.4	4.5	107.7	10.94	145.0	53.8	9.8	17.4	7.5
			70	119.1	11.03	156.8	56.4	10.8	4.9	2.1	123.1	11.06	160.9	60.6	11.1	10.1	4.4	125.3	11.08	163.1	62.8	11.3	16.9	7.3
			80	136.7	11.18	174.8	64.4	12.2	4.8	2.1	141.7	11.22	179.9	69.2	12.6	9.8	4.2	144.3	11.25	182.7	71.8	12.8	16.3	7.1
			90	155.5	11.36	194.2	72.2	13.7	4.6	2.0	161.5	11.42	200.5	77.7	14.1	9.5	4.1							
	35	6.3 (14.5)	50	88.6	10.66	125.0	39.9	8.3	5.2	2.3	91.2	10.67	127.6	43.1	8.5	10.8	4.7	92.5	10.68	128.9	44.7	8.7	18.0	7.8
			60	103.8	10.73	140.4	48.1	9.7	5.0	2.2	107.1	10.74	143.8	51.8	10.0	10.4	4.5	108.9	10.75	145.5	53.8	10.1	17.4	7.5
			70	120.4	10.82	157.3	56.2	11.1	4.9	2.1	124.5	10.85	161.5	60.5	11.5	10.1	4.4	126.7	10.87	163.8	62.8	11.7	16.9	7.3
			80	138.2	10.95	175.6	64.2	12.6	4.8	2.1	143.3	10.99	180.8	69.1	13.0	9.8	4.2	146.0	11.01	183.6	71.7	13.3	16.4	7.1
			90	157.3	11.11	195.2	72.0	14.2	4.6	2.0	163.5	11.16	201.6	77.5	14.6	9.5	4.1							

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

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Ratings below 40°F are with a methanol solution.

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Capacity Data

WW120 – Full Load – Heating

Heating																									
				17.5 GPM							26.25 GPM							35 GPM							
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	17.5	2.4 (5.6)	60																					
			80																					
			100	98.9	9.64	66.0	111.3	3.0	4.3	1.9	99.1	9.39	67.0	107.5	3.1	8.9	3.9	99.2	9.27	67.5	105.7	3.1	15.0	6.5
			120	98.9	12.78	55.3	131.3	2.3	4.1	1.8	98.7	12.44	56.3	127.5	2.3	8.5	3.7	98.7	12.28	56.8	125.6	2.4	14.2	6.2
	26.25	5.0 (11.5)	60																					
			80	104.1	7.44	78.7	91.9	4.1	4.5	2.0	104.6	7.27	79.8	88.0	4.2	9.5	4.1	104.8	7.18	80.3	86.0	4.3	16.0	6.9
			100	100.5	9.65	67.6	111.5	3.1	4.3	1.9	100.7	9.40	68.7	107.7	3.1	8.9	3.9	100.9	9.27	69.2	105.8	3.2	15.0	6.5
			120	100.0	12.77	56.4	131.4	2.3	4.1	1.8	99.9	12.43	57.5	127.6	2.4	8.5	3.7	99.9	12.27	58.0	125.7	2.4	14.2	6.2
	35	8.3 (19.3)	60																					
			80	105.2	7.45	79.8	92.0	4.1	4.5	2.0	105.7	7.28	80.9	88.1	4.3	9.5	4.1	106.0	7.19	81.4	86.1	4.3	16.0	6.9
			100	101.4	9.65	68.4	111.6	3.1	4.3	1.9	101.6	9.40	69.5	107.7	3.2	8.9	3.9	101.7	9.27	70.1	105.8	3.2	15.0	6.5
			120	100.6	12.76	57.0	131.5	2.3	4.1	1.8	100.5	12.43	58.1	127.7	2.4	8.5	3.7	100.5	12.26	58.6	125.7	2.4	14.2	6.2
50	17.5	2.3 (5.2)	60	137.4	6.41	115.5	75.7	6.3	4.8	2.1	138.1	6.30	116.6	70.5	6.4	10.1	4.4	138.5	6.25	117.2	67.9	6.5	17.0	7.4
			80	131.6	7.71	105.4	95.0	5.0	4.5	2.0	132.4	7.50	106.8	90.1	5.2	9.5	4.1	132.7	7.40	107.5	87.6	5.3	15.9	6.9
			100	126.5	9.81	93.0	114.5	3.8	4.3	1.8	127.0	9.52	94.6	109.7	3.9	8.9	3.9	127.3	9.37	95.4	107.3	4.0	15.0	6.5
			120	122.3	12.74	78.9	134.0	2.8	4.0	1.7	122.7	12.35	80.6	129.4	2.9	8.4	3.7	123.0	12.16	81.5	127.0	3.0	14.2	6.1
	26.25	4.7 (10.8)	60	141.0	6.45	119.0	76.1	6.4	4.8	2.1	141.8	6.33	120.2	70.8	6.6	10.1	4.4	142.2	6.28	120.8	68.1	6.6	17.0	7.4
			80	135.0	7.74	108.6	95.4	5.1	4.5	2.0	135.8	7.53	110.1	90.3	5.3	9.5	4.1	136.2	7.43	110.8	87.8	5.4	15.9	6.9
			100	129.2	9.84	95.7	114.8	3.9	4.3	1.8	129.9	9.53	97.4	109.9	4.0	8.9	3.9	130.3	9.38	98.2	107.4	4.1	15.0	6.5
			120	124.4	12.75	80.9	134.2	2.9	4.0	1.7	124.9	12.36	82.7	129.5	3.0	8.4	3.7	125.2	12.17	83.7	127.2	3.0	14.2	6.1
	35	7.8 (18.0)	60	143.0	6.46	120.9	76.3	6.5	4.8	2.1	143.8	6.35	122.1	71.0	6.6	10.1	4.4	144.2	6.30	122.7	68.2	6.7	17.0	7.4
			80	136.8	7.76	110.3	95.6	5.2	4.5	2.0	137.6	7.54	111.9	90.5	5.3	9.5	4.1	138.0	7.44	112.6	87.9	5.4	15.9	6.9
			100	130.7	9.85	97.1	114.9	3.9	4.3	1.8	131.4	9.54	98.9	110.0	4.0	8.9	3.9	131.8	9.39	99.8	107.5	4.1	15.0	6.5
			120	125.5	12.75	82.0	134.3	2.9	4.0	1.7	126.0	12.36	83.9	129.6	3.0	8.4	3.7	126.3	12.17	84.8	127.2	3.0	14.2	6.1
70	17.5	2.1 (4.9)	60	171.8	6.69	149.0	79.6	7.5	4.8	2.1	172.6	6.54	150.2	73.1	7.7	10.0	4.3	172.9	6.48	150.8	69.9	7.8	16.9	7.3
			80	166.2	8.04	138.8	99.0	6.1	4.5	1.9	167.2	7.77	140.7	92.7	6.3	9.4	4.1	167.7	7.65	141.6	89.6	6.4	15.9	6.9
			100	159.4	10.12	124.8	118.2	4.6	4.2	1.8	160.5	9.75	127.2	112.2	4.8	8.9	3.8	161.0	9.58	128.4	109.2	4.9	15.0	6.5
			120								152.9	12.48	110.3	131.6	3.6	8.4	3.6	153.4	12.26	111.6	128.8	3.7	14.2	6.1
	26.25	4.4 (10.1)	60	177.3	6.73	154.3	80.3	7.7	4.8	2.1	178.0	6.57	155.6	73.6	7.9	10.0	4.3	178.4	6.50	156.2	70.2	8.0	16.9	7.3
			80	171.3	8.08	143.8	99.6	6.2	4.5	1.9	172.4	7.81	145.8	93.1	6.5	9.4	4.1	173.0	7.68	146.8	89.9	6.6	15.9	6.9
			100	163.8	10.17	129.1	118.7	4.7	4.2	1.8	165.0	9.79	131.6	112.6	4.9	8.9	3.8	165.7	9.61	132.9	109.5	5.1	15.0	6.5
			120								156.5	12.51	113.8	131.9	3.7	8.4	3.6	157.2	12.28	115.3	129.0	3.8	14.2	6.1
	35	7.3 (16.9)	60	180.2	6.75	157.2	80.6	7.8	4.8	2.1	181.0	6.59	158.5	73.8	8.1	10.0	4.3	181.4	6.51	159.1	70.4	8.2	16.9	7.3
			80	174.1	8.11	146.4	99.9	6.3	4.5	1.9	175.2	7.83	148.5	93.4	6.6	9.4	4.1	175.8	7.70	149.5	90.0	6.7	15.9	6.9
			100	166.1	10.19	131.3	119.0	4.8	4.2	1.8	167.5	9.81	134.0	112.8	5.0	8.9	3.8	168.2	9.63	135.3	109.6	5.1	15.0	6.5
			120								158.4	12.52	115.7	132.1	3.7	8.4	3.6	159.1	12.29	117.2	129.1	3.8	14.2	6.1
90	17.5	2.0 (4.6)	60	210.9	6.92	187.3	84.1	8.9	4.8	2.1	211.6	6.71	188.7	76.1	9.2	10.0	4.3	211.8	6.61	189.3	72.1	9.4	16.9	7.3
			80	205.6	8.40	177.0	103.5	7.2	4.5	1.9	206.9	8.05	179.5	95.8	7.5	9.4	4.1	207.5	7.89	180.6	91.9	7.7	15.8	6.9
			100	197.4	10.54	161.4	122.6	5.5	4.2	1.8	199.1	10.08	164.7	115.2	5.8	8.8	3.8	200.0	9.86	166.4	111.4	5.9	14.9	6.5
			120								188.7	12.80	145.1	134.4	4.3	8.4	3.6	189.8	12.53	147.0	130.8	4.4	14.1	6.1
	26.25	4.1 (9.5)	60	218.7	6.96	195.0	85.0	9.2	4.7	2.1	219.4	6.73	196.4	76.7	9.6	10.0	4.3	219.6	6.62	197.0	72.5	9.7	16.9	7.3
			80	213.0	8.46	184.2	104.3	7.4	4.5	1.9	214.5	8.10	186.9	96.3	7.8	9.4	4.1	215.2	7.93	188.1	92.3	8.0	15.8	6.8
			100	203.9	10.62	167.7	123.3	5.6	4.2	1.8	205.9	10.15	171.3	115.7	5.9	8.8	3.8	206.9	9.91	173.1	111.8	6.1	14.9	6.5
			120																					
	35	6.9 (15.9)	60	222.9	6.98	199.1	85.5	9.4	4.7	2.1	223.6	6.74	200.6	77.0	9.7	10.0	4.3	223.8	6.63	201.2	72.8	9.9	16.9	7.3
			80	217.0	8.50	188.0	104.8	7.5	4.5	1.9	218.6	8.13	190.9	96.7	7.9	9.4	4.1	219.3	7.95	192.2	92.5	8.1	15.8	6.8
			100															210.7	9.94	176.7	112.0	6.2	14.9	6.5
			120																					

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WW122 – Part Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	17.5 GPM							26.25 GPM							35 GPM							
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	17.5	5.0 (2.2)	50	63.9	2.61	72.7	42.7	24.5	5.2	2.2	65.1	2.61	74.0	45.0	24.9	10.7	4.6	65.7	2.61	74.6	46.2	25.2	17.9	7.8
			60	74.2	2.62	83.2	51.5	28.3	5.0	2.2	75.8	2.62	84.8	54.2	28.9	10.4	4.5	76.7	2.62	85.6	55.6	29.3	17.4	7.5
			70	85.9	2.63	94.9	60.2	32.7	4.9	2.1	88.0	2.63	97.0	63.3	33.5	10.0	4.3	89.1	2.63	98.1	64.9	33.9	16.8	7.3
			80																					
	26.25	9.1 (4.0)	50	64.1	2.55	72.8	42.7	25.1	5.2	2.2	65.3	2.56	74.0	45.0	25.6	10.7	4.6	65.9	2.56	74.7	46.2	25.8	17.9	7.8
			60	74.5	2.56	83.2	51.5	29.1	5.0	2.2	76.1	2.56	84.9	54.2	29.7	10.4	4.5	77.0	2.56	85.7	55.6	30.0	17.4	7.5
			70	86.3	2.56	95.0	60.1	33.6	4.9	2.1	88.4	2.56	97.1	63.3	34.5	10.0	4.3	89.5	2.56	98.2	64.9	34.9	16.8	7.3
			80																					
	35	14.1 (6.1)	50	64.2	2.53	72.8	42.7	25.4	5.2	2.2	65.4	2.53	74.0	45.0	25.9	10.7	4.6	66.0	2.53	74.7	46.2	26.1	17.9	7.8
			60	74.6	2.53	83.3	51.5	29.5	5.0	2.2	76.3	2.53	84.9	54.2	30.1	10.4	4.5	77.1	2.53	85.8	55.6	30.5	17.4	7.5
			70	86.4	2.53	95.1	60.1	34.1	4.9	2.1	88.6	2.53	97.2	63.3	35.0	10.0	4.3	89.7	2.53	98.3	64.9	35.4	16.8	7.3
			80																					
70	17.5	14.4 (6.2)	50	60.1	3.40	71.7	43.1	17.7	5.2	2.2	61.2	3.40	72.8	45.3	18.0	10.7	4.6	61.7	3.40	73.3	46.5	18.2	17.9	7.8
			60	70.0	3.39	81.5	52.0	20.6	5.0	2.2	71.4	3.39	83.0	54.6	21.1	10.4	4.5	72.1	3.39	83.7	55.9	21.3	17.4	7.5
			70	81.0	3.38	92.5	60.7	24.0	4.9	2.1	82.9	3.38	94.4	63.7	24.6	10.0	4.3	83.9	3.37	95.4	65.2	24.9	16.8	7.3
			80	93.3	3.36	104.8	69.3	27.8	4.7	2.0	95.7	3.35	107.2	72.7	28.5	9.7	4.2							
	26.25	4.7 (2.0)	50	60.4	3.34	71.8	43.1	18.1	5.2	2.2	61.5	3.34	72.9	45.3	18.4	10.7	4.6	62.0	3.34	73.4	46.5	18.6	17.9	7.8
			60	70.3	3.33	81.7	52.0	21.1	5.0	2.2	71.8	3.32	83.1	54.5	21.6	10.4	4.5	72.6	3.32	83.9	55.9	21.8	17.4	7.5
			70	81.5	3.31	92.8	60.7	24.7	4.9	2.1	83.4	3.30	94.7	63.6	25.3	10.0	4.3	84.4	3.30	95.7	65.2	25.6	16.8	7.3
			80	94.0	3.28	105.2	69.3	28.7	4.7	2.0	96.4	3.27	107.6	72.7	29.5	9.7	4.2							
	35	9.8 (4.3)	50	60.5	3.31	71.8	43.1	18.3	5.2	2.2	61.6	3.31	72.9	45.3	18.6	10.7	4.6	62.2	3.31	73.5	46.4	18.8	17.9	7.8
			60	70.5	3.29	81.8	51.9	21.4	5.0	2.2	72.0	3.29	83.2	54.5	21.9	10.4	4.5	72.8	3.29	84.0	55.8	22.1	17.4	7.5
			70	81.8	3.27	92.9	60.7	25.0	4.9	2.1	83.7	3.27	94.8	63.6	25.6	10.0	4.3	84.7	3.26	95.8	65.2	25.9	16.8	7.3
			80	94.3	3.24	105.3	69.2	29.1	4.7	2.0	96.8	3.23	107.8	72.6	29.9	9.7	4.2							
90	17.5	14.8 (6.4)	50	54.9	4.38	69.8	43.7	12.5	5.2	2.2	55.8	4.38	70.7	45.7	12.7	10.7	4.6	56.3	4.38	71.2	46.8	12.9	17.9	7.8
			60	64.2	4.36	79.1	52.7	14.7	5.0	2.2	65.5	4.35	80.3	55.0	15.0	10.4	4.5	66.1	4.35	80.9	56.2	15.2	17.3	7.5
			70	74.6	4.33	89.4	61.5	17.2	4.9	2.1	76.2	4.32	91.0	64.2	17.6	10.0	4.3	77.1	4.32	91.8	65.6	17.8	16.8	7.3
			80	86.2	4.29	100.8	70.2	20.1	4.7	2.0														
	26.25	10.5 (4.5)	50	55.2	4.31	69.9	43.7	12.8	5.2	2.2	56.2	4.30	70.9	45.7	13.1	10.7	4.6	56.7	4.30	71.4	46.8	13.2	17.9	7.8
			60	64.7	4.27	79.3	52.6	15.1	5.0	2.2	66.0	4.27	80.5	55.0	15.5	10.4	4.5	66.6	4.27	81.2	56.2	15.6	17.3	7.5
			70	75.2	4.24	89.7	61.4	17.8	4.9	2.1	76.9	4.23	91.3	64.1	18.2	10.0	4.3	77.7	4.23	92.1	65.6	18.4	16.8	7.3
			80	86.9	4.19	101.2	70.1	20.8	4.7	2.0														
	35	5.6 (2.4)	50	55.4	4.27	70.0	43.7	13.0	5.2	2.2	56.4	4.27	71.0	45.7	13.2	10.7	4.6	56.9	4.26	71.5	46.7	13.3	17.9	7.8
			60	64.9	4.23	79.4	52.6	15.3	5.0	2.2	66.2	4.23	80.6	55.0	15.7	10.4	4.5	66.9	4.23	81.3	56.2	15.8	17.3	7.5
			70	75.5	4.19	89.8	61.4	18.0	4.9	2.1	77.2	4.18	91.5	64.1	18.5	10.0	4.3	78.1	4.18	92.3	65.5	18.7	16.8	7.3
			80	87.3	4.14	101.4	70.0	21.1	4.7	2.0														
110	17.5	9.2 (4.0)	50	48.2	5.69	67.6	44.5	8.5	5.2	2.2	49.0	5.69	68.4	46.3	8.6	10.7	4.6	49.4	5.69	68.8	47.2	8.7	17.9	7.8
			60	56.9	5.66	76.3	53.5	10.1	5.0	2.2	58.0	5.66	77.3	55.6	10.2	10.3	4.5	58.5	5.66	77.8	56.7	10.3	17.3	7.5
			70	66.6	5.63	85.8	62.4	11.8	4.8	2.1	68.0	5.62	87.2	64.8	12.1	10.0	4.3	68.7	5.62	87.8	66.1	12.2	16.8	7.3
			80																					
	26.25	15.5 (6.7)	50	48.7	5.60	67.7	44.4	8.7	5.2	2.2	49.5	5.59	68.5	46.2	8.8	10.7	4.6	49.9	5.59	68.9	47.2	8.9	17.9	7.8
			60	57.5	5.55	76.5	53.4	10.4	5.0	2.2	58.6	5.55	77.5	55.5	10.6	10.3	4.5	59.1	5.55	78.0	56.6	10.7	17.3	7.5
			70	67.4	5.50	86.1	62.3	12.2	4.8	2.1	68.7	5.50	87.5	64.8	12.5	10.0	4.3	69.4	5.49	88.2	66.0	12.6	16.8	7.3
			80																					
	35	7.0 (3.0)	50	48.9	5.55	67.8	44.4	8.8	5.2	2.2	49.7	5.54	68.6	46.2	9.0	10.7	4.6	50.1	5.54	69.0	47.1	9.0	17.9	7.8
			60	57.8	5.50	76.6	53.4	10.5	5.0	2.2	58.9	5.49	77.6	55.5	10.7	10.3	4.5	59.4	5.49	78.2	56.6	10.8	17.3	7.5
			70	67.7	5.44	86.3	62.3	12.4	4.8	2.1	69.1	5.44	87.6	64.7	12.7	10.0	4.3	69.8	5.43	88.3	66.0	12.9	16.8	7.3
			80																					

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

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Capacity Data

WW122 – Part Load – Heating

Heating																								
				17.5 GPM							26.25 GPM							35 GPM						
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	17.5	2.4 (5.5)	60	55.2	2.98	45.0	66.3	5.4	2.1	4.9	55.2	2.92	45.3	63.2	5.6	7.4	17.1	55.2	2.92	45.3	63.2	5.6	7.4	17.1
			80	54.4	3.88	41.2	86.2	4.1	2.0	4.6	54.5	3.80	41.5	83.1	4.2	6.9	16.1	54.5	3.80	41.5	83.1	4.2	6.9	16.1
			100	53.1	5.02	36.0	106.1	3.1	1.9	4.3	53.2	4.92	36.4	103.0	3.2	6.5	15.1	53.2	4.92	36.4	103.0	3.2	6.5	15.1
			120	51.8	6.56	29.4	125.9	2.3	1.8	4.1	51.9	6.4	29.96	123.0	2.4	6.2	14.3	51.9	6.4	29.96	123.0	2.4	6.2	14.3
	26.25	5.0 (11.5)	60	55.9	2.98	45.7	66.4	5.5	2.1	4.9	55.9	2.92	46.0	63.2	5.6	7.4	17.1	55.9	2.92	46.0	63.2	5.6	7.4	17.1
			80	55.0	3.88	41.8	86.3	4.2	2.0	4.6	55.1	3.80	42.1	83.1	4.2	6.9	16.1	55.1	3.80	42.1	83.1	4.2	6.9	16.1
			100	53.6	5.02	36.5	106.1	3.1	1.9	4.3	53.7	4.92	36.9	103.1	3.2	6.5	15.1	53.7	4.92	36.9	103.1	3.2	6.5	15.1
			120	52.2	6.56	29.8	126.0	2.3	1.8	4.1	52.3	6.42	30.4	123.0	2.4	6.2	14.3	52.3	6.42	30.4	123.0	2.4	6.2	14.3
	35	8.3 (19.2)	60	56.2	2.98	46.0	66.4	5.5	2.1	4.9	56.3	2.92	46.3	63.2	5.7	7.4	17.1	56.3	2.92	46.3	63.2	5.7	7.4	17.1
			80	55.3	3.88	42.1	86.3	4.2	2.0	4.6	55.4	3.80	42.4	83.2	4.3	6.9	16.1	55.4	3.80	42.4	83.2	4.3	6.9	16.1
			100	53.9	5.02	36.7	106.2	3.1	1.9	4.3	54.0	4.92	37.2	103.1	3.2	6.5	15.1	54.0	4.92	37.2	103.1	3.2	6.5	15.1
			120	52.4	6.55	30.0	126.0	2.3	1.8	4.1	52.5	6.42	30.6	123.0	2.4	6.2	14.3	52.5	6.42	30.6	123.0	2.4	6.2	14.3
50	17.5	2.2 (5.2)	60	72.3	2.99	62.1	68.3	7.1	2.1	4.9	72.4	2.91	62.5	64.1	7.3	7.4	17.1	72.4	2.91	62.5	64.1	7.3	7.4	17.1
			80	70.8	3.86	57.6	88.1	5.4	2.0	4.6	71.0	3.76	58.2	84.1	5.5	6.9	16.0	71.0	3.76	58.2	84.1	5.5	6.9	16.0
			100	68.7	4.98	51.7	107.9	4.0	1.9	4.3	68.9	4.86	52.4	103.9	4.2	6.5	15.1	68.9	4.86	52.4	103.9	4.2	6.5	15.1
			120	66.5	6.52	44.3	127.6	3.0	1.8	4.1	66.7	6.35	45.0	123.8	3.1	6.2	14.3	66.7	6.35	45.0	123.8	3.1	6.2	14.3
	26.25	4.6 (10.7)	60	73.5	2.99	63.3	68.4	7.2	2.1	4.9	73.6	2.91	63.7	64.2	7.4	7.4	17.1	73.6	2.91	63.7	64.2	7.4	7.4	17.1
			80	71.8	3.86	58.7	88.2	5.5	2.0	4.6	72.0	3.76	59.2	84.1	5.6	6.9	16.0	72.0	3.76	59.2	84.1	5.6	6.9	16.0
			100	69.6	4.98	52.6	108.0	4.1	1.9	4.3	69.8	4.85	53.2	104.0	4.2	6.5	15.1	69.8	4.85	53.2	104.0	4.2	6.5	15.1
			120	67.2	6.52	45.0	127.7	3.0	1.8	4.1	67.4	6.35	45.8	123.9	3.1	6.2	14.3	67.4	6.35	45.8	123.9	3.1	6.2	14.3
	35	7.8 (17.9)	60	74.1	2.99	63.9	68.5	7.3	2.1	4.9	74.2	2.91	64.3	64.2	7.5	7.4	17.1	74.2	2.91	64.3	64.2	7.5	7.4	17.1
			80	72.3	3.86	59.2	88.3	5.5	2.0	4.6	72.6	3.76	59.7	84.1	5.7	6.9	16.0	72.6	3.76	59.7	84.1	5.7	6.9	16.0
			100	70.0	4.98	53.0	108.0	4.1	1.9	4.3	70.3	4.85	53.7	104.0	4.2	6.5	15.1	70.3	4.85	53.7	104.0	4.2	6.5	15.1
			120	67.6	6.52	45.3	127.7	3.0	1.8	4.1	67.8	6.35	46.1	123.9	3.1	6.2	14.3	67.8	6.35	46.1	123.9	3.1	6.2	14.3
70	17.5	2.1 (4.9)	60	93.8	2.99	83.6	70.7	9.2	2.1	4.9	94.1	2.89	84.3	65.4	9.6	7.4	17.1	94.1	2.89	84.3	65.4	9.6	7.4	17.1
			80	91.0	3.82	78.0	90.4	7.0	2.0	4.6	91.5	3.70	78.8	85.2	7.2	6.9	16.0	91.5	3.70	78.8	85.2	7.2	6.9	16.0
			100	87.6	4.92	70.8	110.0	5.2	1.9	4.3	88.1	4.77	71.8	105.0	5.4	6.5	15.1	88.1	4.77	71.8	105.0	5.4	6.5	15.1
			120	84.1	6.46	62.0	129.6	3.8	1.8	4.1	84.5	6.24	63.2	124.8	4.0	6.2	14.2	84.5	6.24	63.2	124.8	4.0	6.2	14.2
	26.25	4.3 (10.0)	60	95.8	2.99	85.6	70.9	9.4	2.1	4.9	96.2	2.89	86.3	65.5	9.8	7.4	17.1	96.2	2.89	86.3	65.5	9.8	7.4	17.1
			80	92.8	3.81	79.8	90.6	7.1	2.0	4.6	93.2	3.69	80.6	85.3	7.4	6.9	16.0	93.2	3.69	80.6	85.3	7.4	6.9	16.0
			100	89.1	4.92	72.3	110.2	5.3	1.9	4.3	89.6	4.76	73.3	105.1	5.5	6.5	15.1	89.6	4.76	73.3	105.1	5.5	6.5	15.1
			120	85.2	6.45	63.2	129.7	3.9	1.8	4.1	85.7	6.24	64.4	124.9	4.0	6.2	14.2	85.7	6.24	64.4	124.9	4.0	6.2	14.2
	35	7.3 (16.8)	60	96.8	2.99	86.7	71.1	9.5	2.1	4.9	97.2	2.88	87.4	65.6	9.9	7.4	17.1	97.2	2.88	87.4	65.6	9.9	7.4	17.1
			80	93.7	3.81	80.7	90.7	7.2	2.0	4.6	94.1	3.69	81.6	85.4	7.5	6.9	16.0	94.1	3.69	81.6	85.4	7.5	6.9	16.0
			100	89.8	4.92	73.1	110.3	5.4	1.9	4.3	90.4	4.75	74.1	105.2	5.6	6.5	15.0	90.4	4.75	74.1	105.2	5.6	6.5	15.0
			120	85.8	6.45	63.8	129.8	3.9	1.8	4.1	86.3	6.23	65.1	124.9	4.1	6.2	14.2	86.3	6.23	65.1	124.9	4.1	6.2	14.2

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WW122 – Full Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	17.5 GPM							26.25 GPM							35 GPM							
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	17.5	5.0 (2.1)	50	119.9	5.51	138.7	36.3	21.8	5.2	2.3	124.1	5.52	142.9	40.5	22.5	10.8	4.7	126.4	5.53	145.2	42.8	22.9	18.1	7.8
			60	138.4	5.56	157.4	44.2	24.9	5.1	2.2	143.8	5.58	162.8	49.0	25.8	10.5	4.5	146.7	5.58	165.7	51.6	26.3	17.5	7.6
			70	158.8	5.61	178.0	51.8	28.3	4.9	2.1	165.7	5.63	184.9	57.4	29.4	10.1	4.4	169.5	5.64	188.7	60.3	30.1	16.9	7.3
			80	181.3	5.66	200.7	59.3	32.0	4.8	2.1														
	26.25	9.0 (3.9)	50	120.7	5.30	138.8	36.2	22.8	5.2	2.3	125.0	5.31	143.1	40.5	23.5	10.8	4.7	127.3	5.32	145.4	42.7	23.9	18.1	7.8
			60	139.4	5.34	157.6	44.1	26.1	5.1	2.2	144.9	5.35	163.1	49.0	27.1	10.5	4.5	147.9	5.35	166.2	51.5	27.6	17.5	7.6
			70	160.1	5.37	178.4	51.7	29.8	4.9	2.1	167.2	5.38	185.5	57.3	31.1	10.1	4.4	171.0	5.38	189.4	60.2	31.8	16.9	7.3
			80																					
	35	14.0 (6.0)	50	121.1	5.20	138.8	36.2	23.3	5.2	2.3	125.4	5.21	143.2	40.4	24.1	10.8	4.7	127.7	5.21	145.5	42.7	24.5	18.1	7.8
			60	139.9	5.23	157.7	44.0	26.8	5.1	2.2	145.4	5.23	163.3	48.9	27.8	10.5	4.5	148.5	5.24	166.3	51.5	28.3	17.5	7.6
			70	160.7	5.25	178.7	51.6	30.6	4.9	2.1	167.9	5.25	185.8	57.2	32.0	10.1	4.4	171.8	5.26	189.7	60.2	32.7	16.9	7.3
			80																					
70	17.5	14.3 (6.2)	50	112.4	7.15	136.9	37.1	15.7	5.2	2.3	116.2	7.16	140.6	41.1	16.2	10.8	4.7	118.2	7.16	142.7	43.2	16.5	18.0	7.8
			60	130.1	7.18	154.6	45.1	18.1	5.1	2.2	134.9	7.18	159.4	49.7	18.8	10.4	4.5	137.5	7.19	162.0	52.1	19.1	17.5	7.6
			70	149.5	7.20	174.1	52.9	20.8	4.9	2.1	155.7	7.20	180.2	58.1	21.6	10.1	4.4	159.0	7.20	183.6	60.9	22.1	16.9	7.3
			80	170.9	7.21	195.5	60.5	23.7	4.8	2.1	178.6	7.21	203.2	66.4	24.8	9.8	4.3							
	26.25	4.6 (2.0)	50	113.6	6.92	137.2	37.0	16.4	5.2	2.3	117.4	6.92	141.0	41.1	17.0	10.8	4.7	119.5	6.92	143.1	43.2	17.3	18.0	7.8
			60	131.5	6.92	155.1	45.0	19.0	5.1	2.2	136.5	6.92	160.1	49.6	19.7	10.5	4.5	139.1	6.92	162.7	52.0	20.1	17.5	7.6
			70	151.3	6.91	174.9	52.7	21.9	4.9	2.1	157.6	6.90	181.2	58.0	22.8	10.1	4.4	161.0	6.90	184.6	60.8	23.3	16.9	7.3
			80	173.1	6.89	196.6	60.2	25.1	4.8	2.1	181.0	6.88	204.5	66.2	26.3	9.8	4.3							
	35	9.7 (4.2)	50	114.1	6.81	137.3	37.0	16.8	5.2	2.3	118.0	6.80	141.2	41.0	17.3	10.8	4.7	120.1	6.80	143.3	43.1	17.7	18.0	7.8
			60	132.2	6.79	155.3	44.9	19.5	5.1	2.2	137.2	6.79	160.4	49.5	20.2	10.5	4.5	139.9	6.78	163.1	52.0	20.6	17.5	7.6
			70	152.1	6.77	175.2	52.6	22.5	4.9	2.1	158.5	6.76	181.6	57.9	23.5	10.1	4.4	162.0	6.76	185.1	60.7	24.0	16.9	7.3
			80	174.1	6.74	197.1	60.1	25.8	4.8	2.1	182.2	6.72	205.2	66.1	27.1	9.8	4.3							
90	17.5	14.7 (6.4)	50	102.3	9.21	133.7	38.3	11.1	5.2	2.3	105.6	9.21	137.0	42.0	11.5	10.8	4.7	107.3	9.22	138.7	43.9	11.6	18.0	7.8
			60	119.1	9.23	150.5	46.4	12.9	5.1	2.2	123.2	9.23	154.7	50.6	13.4	10.4	4.5	125.4	9.23	156.9	52.8	13.6	17.4	7.6
			70	137.4	9.23	168.9	54.3	14.9	4.9	2.1	142.7	9.24	174.2	59.1	15.4	10.1	4.4	145.5	9.24	177.0	61.7	15.8	16.9	7.3
			80	157.5	9.24	189.0	62.0	17.1	4.8	2.1														
	26.25	10.4 (4.5)	50	103.8	8.91	134.2	38.1	11.6	5.2	2.3	107.1	8.91	137.5	41.8	12.0	10.8	4.7	108.9	8.91	139.3	43.8	12.2	18.0	7.8
			60	120.8	8.89	151.2	46.2	13.6	5.1	2.2	125.1	8.89	155.5	50.5	14.1	10.4	4.5	127.5	8.88	157.8	52.7	14.3	17.4	7.6
			70	139.6	8.86	169.8	54.0	15.8	4.9	2.1	145.1	8.85	175.3	58.9	16.4	10.1	4.4	148.0	8.85	178.2	61.5	16.7	16.9	7.3
			80	160.1	8.82	190.2	61.7	18.2	4.8	2.1														
	35	5.6 (2.4)	50	104.5	8.77	134.4	38.1	11.9	5.2	2.3	107.9	8.76	137.8	41.8	12.3	10.8	4.7	109.7	8.76	139.6	43.7	12.5	18.0	7.8
			60	121.7	8.73	151.5	46.1	13.9	5.1	2.2	126.1	8.72	155.8	50.4	14.5	10.4	4.5	128.4	8.71	158.2	52.7	14.7	17.4	7.6
			70	140.6	8.68	170.2	53.9	16.2	4.9	2.1	146.2	8.66	175.8	58.9	16.9	10.1	4.4	149.3	8.66	178.8	61.5	17.2	16.9	7.3
			80	161.4	8.62	190.8	61.6	18.7	4.8	2.1	168.5	8.60	197.8	67.2	19.6	9.8	4.2							
110	17.5	9.1 (3.9)	50	89.4	11.99	130.3	39.8	7.5	5.2	2.3	92.0	11.99	132.9	43.0	7.7	10.8	4.7	93.4	11.99	134.4	44.7	7.8	18.0	7.8
			60	105.1	12.01	146.1	48.0	8.8	5.1	2.2	108.5	12.01	149.5	51.7	9.0	10.4	4.5	110.3	12.01	151.3	53.7	9.2	17.4	7.5
			70	122.2	12.02	163.2	56.0	10.2	4.9	2.1	126.6	12.03	167.6	60.4	10.5	10.1	4.4	128.9	12.03	169.9	62.6	10.7	16.9	7.3
			80	140.9	12.03	181.9	63.9	11.7	4.8	2.1														
	26.25	15.4 (6.7)	50	91.1	11.59	130.7	39.6	7.9	5.2	2.3	93.9	11.59	133.5	42.8	8.1	10.8	4.7	95.4	11.58	134.9	44.5	8.2	18.0	7.8
			60	107.2	11.56	146.7	47.7	9.3	5.1	2.2	110.8	11.56	150.2	51.6	9.6	10.4	4.5	112.7	11.55	152.1	53.6	9.8	17.4	7.5
			70	124.8	11.53	164.1	55.7	10.8	4.9	2.1	129.4	11.51	168.7	60.1	11.2	10.1	4.4	131.8	11.51	171.1	62.5	11.5	16.9	7.3
			80	144.0	11.48	183.2	63.5	12.5	4.8	2.1														
	35	6.9 (3.0)	50	92.0	11.40	130.9	39.5	8.1	5.2	2.3	94.9	11.39	133.7	42.8	8.3	10.8	4.7	96.4	11.39	135.2	44.5	8.5	18.0	7.8
			60	108.3	11.35	147.0	47.6	9.5	5.1	2.2	111.9	11.34	150.6	51.5	9.9	10.4	4.5	113.9	11.33	152.5	53.5	10.1	17.4	7.5
			70	126.1	11.28	164.6	55.6	11.2	4.9	2.1	130.8	11.27	169.2	60.0	11.6	10.1	4.4	133.3	11.26	171.7	62.4	11.8	16.9	7.3
			80	145.6	11.21	183.8	63.4	13.0	4.8	2.1														

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WW122 – Full Load – Heating

Heating																								
				17.5 GPM							26.25 GPM							35 GPM						
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	17.5	2.4 (5.6)	60	106.6	6.22	85.4	72.2	5.0	2.1	4.8	106.7	5.96	86.4	66.1	5.2	7.4	17.1	106.7	5.96	86.4	66.1	5.2	7.4	17.1
			80	105.2	8.06	77.7	92.0	3.8	2.0	4.5	105.5	7.76	79.0	86.0	4.0	6.9	16.0	105.5	7.76	79.0	86.0	4.0	6.9	16.0
			100	103.1	10.43	67.5	111.8	2.9	1.9	4.3	103.4	10.04	69.2	105.9	3.0	6.5	15.0	103.4	10.04	69.2	105.9	3.0	6.5	15.0
			120	101.1	13.64	54.6	131.6	2.2	1.8	4.1	101.4	13.1	56.64	125.8	2.3	6.2	14.2	101.4	13.1	56.64	125.8	2.3	6.2	14.2
	26.25	5.0 (11.5)	60	109.0	6.22	87.8	72.5	5.1	2.1	4.8	109.2	5.96	88.8	66.2	5.4	7.4	17.1	109.2	5.96	88.8	66.2	5.4	7.4	17.1
			80	107.3	8.07	79.8	92.3	3.9	2.0	4.5	107.7	7.76	81.2	86.2	4.1	6.9	16.0	107.7	7.76	81.2	86.2	4.1	6.9	16.0
			100	104.9	10.44	69.2	112.0	2.9	1.9	4.3	105.2	10.04	71.0	106.0	3.1	6.5	15.0	105.2	10.04	71.0	106.0	3.1	6.5	15.0
			120	102.5	13.65	56.0	131.7	2.2	1.8	4.1	102.8	13.11	58.1	125.9	2.3	6.2	14.2	102.8	13.11	58.1	125.9	2.3	6.2	14.2
	35	8.3 (19.3)	60	110.3	6.23	89.0	72.6	5.2	2.1	4.8	110.4	5.96	90.1	66.3	5.4	7.4	17.0	110.4	5.96	90.1	66.3	5.4	7.4	17.0
			80	108.4	8.07	80.9	92.4	3.9	2.0	4.5	108.8	7.76	82.3	86.2	4.1	6.9	16.0	108.8	7.76	82.3	86.2	4.1	6.9	16.0
			100	105.8	10.44	70.2	112.1	3.0	1.9	4.3	106.2	10.04	72.0	106.1	3.1	6.5	15.0	106.2	10.04	72.0	106.1	3.1	6.5	15.0
			120	103.3	13.65	56.7	131.8	2.2	1.8	4.1	103.6	13.11	58.9	125.9	2.3	6.2	14.2	103.6	13.11	58.9	125.9	2.3	6.2	14.2
50	17.5	2.3 (5.2)	60	138.0	6.30	116.5	75.8	6.4	2.1	4.8	138.3	5.98	117.9	67.9	6.8	7.4	17.0	138.3	5.98	117.9	67.9	6.8	7.4	17.0
			80	135.4	8.11	107.7	95.5	4.9	2.0	4.5	136.0	7.72	109.6	87.8	5.2	6.9	15.9	136.0	7.72	109.6	87.8	5.2	6.9	15.9
			100	132.0	10.49	96.2	115.1	3.7	1.8	4.3	132.7	9.98	98.6	107.6	3.9	6.5	15.0	132.7	9.98	98.6	107.6	3.9	6.5	15.0
			120	128.6	13.74	81.8	134.7	2.7	1.7	4.0	129.2	13.06	84.7	127.4	2.9	6.1	14.2	129.2	13.06	84.7	127.4	2.9	6.1	14.2
	26.25	4.7 (10.8)	60	142.0	6.31	120.5	76.2	6.6	2.1	4.8	142.4	5.98	122.0	68.1	7.0	7.4	17.0	142.4	5.98	122.0	68.1	7.0	7.4	17.0
			80	138.9	8.12	111.2	95.9	5.0	2.0	4.5	139.6	7.72	113.3	88.0	5.3	6.9	15.9	139.6	7.72	113.3	88.0	5.3	6.9	15.9
			100	135.0	10.49	99.2	115.4	3.8	1.8	4.3	135.8	9.97	101.7	107.8	4.0	6.5	15.0	135.8	9.97	101.7	107.8	4.0	6.5	15.0
			120	131.0	13.74	84.1	135.0	2.8	1.7	4.0	131.7	13.05	87.2	127.5	3.0	6.1	14.2	131.7	13.05	87.2	127.5	3.0	6.1	14.2
	35	7.8 (18.0)	60	144.2	6.31	122.6	76.5	6.7	2.1	4.8	144.7	5.98	124.2	68.3	7.1	7.4	17.0	144.7	5.98	124.2	68.3	7.1	7.4	17.0
			80	140.8	8.12	113.1	96.1	5.1	2.0	4.5	141.6	7.72	115.3	88.1	5.4	6.9	15.9	141.6	7.72	115.3	88.1	5.4	6.9	15.9
			100	136.6	10.50	100.7	115.6	3.8	1.8	4.3	137.4	9.97	103.4	107.9	4.0	6.5	15.0	137.4	9.97	103.4	107.9	4.0	6.5	15.0
			120	132.3	13.75	85.4	135.1	2.8	1.7	4.0	133.0	13.05	88.5	127.6	3.0	6.1	14.2	133.0	13.05	88.5	127.6	3.0	6.1	14.2
70	17.5	2.1 (4.9)	60	176.3	6.37	154.5	80.1	8.1	2.1	4.8	177.2	5.98	156.8	70.1	8.7	7.3	16.9	177.2	5.98	156.8	70.1	8.7	7.3	16.9
			80	171.6	8.14	143.8	99.6	6.2	1.9	4.5	172.9	7.66	146.7	89.9	6.6	6.9	15.9	172.9	7.66	146.7	89.9	6.6	6.9	15.9
			100	166.1	10.52	130.2	119.0	4.6	1.8	4.2	167.4	9.88	133.7	109.6	5.0	6.5	15.0	167.4	9.88	133.7	109.6	5.0	6.5	15.0
			120								161.7	12.94	117.6	129.2	3.7	6.1	14.2	161.7	12.94	117.6	129.2	3.7	6.1	14.2
	26.25	4.4 (10.1)	60	182.8	6.38	161.0	80.9	8.4	2.1	4.8	184.0	5.98	163.6	70.5	9.0	7.3	16.9	184.0	5.98	163.6	70.5	9.0	7.3	16.9
			80	177.3	8.14	149.5	100.3	6.4	1.9	4.5	178.8	7.64	152.8	90.2	6.9	6.9	15.9	178.8	7.64	152.8	90.2	6.9	6.9	15.9
			100	170.9	10.52	135.0	119.5	4.8	1.8	4.2	172.5	9.86	138.9	109.9	5.1	6.5	14.9	172.5	9.86	138.9	109.9	5.1	6.5	14.9
			120								165.9	12.92	121.8	129.5	3.8	6.1	14.2	165.9	12.92	121.8	129.5	3.8	6.1	14.2
	35	7.3 (16.9)	60	186.4	6.38	164.6	81.3	8.6	2.1	4.8	187.7	5.97	167.3	70.7	9.2	7.3	16.9	187.7	5.97	167.3	70.7	9.2	7.3	16.9
			80	180.4	8.14	152.6	100.6	6.5	1.9	4.5	182.1	7.64	156.0	90.4	7.0	6.9	15.9	182.1	7.64	156.0	90.4	7.0	6.9	15.9
			100	173.5	10.52	137.6	119.8	4.8	1.8	4.2	175.3	9.85	141.7	110.0	5.2	6.5	14.9	175.3	9.85	141.7	110.0	5.2	6.5	14.9
			120								168.1	12.91	124.0	129.6	3.8	6.1	14.2	168.1	12.91	124.0	129.6	3.8	6.1	14.2

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WW180 – Full Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	25 GPM							37.5 GPM							50 GPM						
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	25	2.4 (5.6)	50	140.0	6.14	160.9	38.8	22.8	5.9	2.6	143.6	6.17	164.7	42.3	23.3	12.2	5.3	145.6	6.19	166.7	44.2	23.5	20.4	8.8
			60	159.9	6.32	181.5	47.2	25.3	5.7	2.5	164.5	6.37	186.2	51.2	25.8	11.8	5.1	167.0	6.39	188.8	53.3	26.1	19.7	8.5
			70	181.7	6.53	204.0	55.5	27.8	5.6	2.4	187.5	6.58	209.9	60.0	28.5	11.4	4.9	190.5	6.61	213.1	62.4	28.8	19.1	8.3
			80	205.5	6.76	228.5	63.6	30.4	5.4	2.3	212.6	6.83	235.9	68.7	31.1	11.1	4.8	216.4	6.86	239.8	71.3	31.5	18.5	8.0
			90																					
	37.5	5.1 (11.8)	50	141.1	6.00	161.6	38.7	23.5	5.9	2.6	144.9	6.03	165.5	42.3	24.0	12.2	5.3	146.9	6.05	167.5	44.1	24.3	20.4	8.8
			60	161.4	6.17	182.4	47.1	26.2	5.7	2.5	166.2	6.21	187.3	51.1	26.8	11.8	5.1	168.7	6.23	189.9	53.3	27.1	19.7	8.5
			70	183.6	6.36	205.3	55.3	28.9	5.6	2.4	189.6	6.41	211.4	59.9	29.6	11.4	4.9	192.8	6.43	214.7	62.3	30.0	19.1	8.3
			80	207.9	6.56	230.3	63.4	31.7	5.4	2.3														
			90																					
	50	8.6 (19.9)	50	141.7	5.93	162.0	38.7	23.9	5.9	2.6	145.5	5.96	165.9	42.2	24.4	12.2	5.3	147.5	5.98	167.9	44.1	24.7	20.4	8.8
			60	162.2	6.09	182.9	47.0	26.6	5.7	2.5	167.0	6.13	187.9	51.1	27.2	11.8	5.1	169.5	6.15	190.5	53.2	27.6	19.7	8.5
			70	184.6	6.27	206.0	55.2	29.4	5.6	2.4	190.6	6.32	212.2	59.8	30.2	11.4	4.9	193.9	6.35	215.5	62.2	30.6	19.1	8.3
			80	209.1	6.47	231.2	63.3	32.3	5.4	2.3														
			90																					
70	25	2.3 (5.3)	50	129.0	7.62	154.9	39.7	16.9	5.9	2.6	132.1	7.65	158.2	43.0	17.3	12.2	5.3	133.7	7.66	159.9	44.7	17.5	20.4	8.8
			60	147.5	7.80	174.1	48.2	18.9	5.7	2.5	151.4	7.84	178.1	51.9	19.3	11.8	5.1	153.5	7.86	180.3	53.9	19.5	19.7	8.5
			70	167.6	8.00	194.9	56.6	21.0	5.5	2.4	172.5	8.05	200.0	60.8	21.4	11.4	4.9	175.1	8.08	202.7	63.0	21.7	19.1	8.3
			80	189.6	8.23	217.7	64.8	23.0	5.4	2.3	195.6	8.29	223.9	69.6	23.6	11.1	4.8	198.8	8.33	227.2	72.0	23.9	18.5	8.0
			90	213.3	8.48	242.2	72.9	25.1	5.2	2.3	220.6	8.57	249.8	78.2	25.8	10.7	4.6	224.5	8.61	253.9	81.0	26.1	17.9	7.8
	37.5	4.8 (11.0)	50	130.1	7.44	155.5	39.6	17.5	5.9	2.6	133.3	7.47	158.8	42.9	17.8	12.2	5.3	135.0	7.49	160.6	44.6	18.0	20.4	8.8
			60	148.9	7.60	174.9	48.1	19.6	5.7	2.5	153.0	7.64	179.0	51.8	20.0	11.8	5.1	155.1	7.66	181.2	53.8	20.3	19.7	8.5
			70	169.5	7.79	196.1	56.4	21.8	5.5	2.4	174.6	7.83	201.3	60.7	22.3	11.4	4.9	177.2	7.85	204.0	62.9	22.6	19.1	8.3
			80	191.9	7.99	219.2	64.6	24.0	5.4	2.3	198.2	8.05	225.6	69.4	24.6	11.1	4.8	201.5	8.08	229.1	71.9	24.9	18.5	8.0
			90	216.2	8.22	244.3	72.7	26.3	5.2	2.3	223.9	8.29	252.1	78.1	27.0	10.7	4.6	228.0	8.33	256.4	80.9	27.4	17.9	7.8
	50	8.1 (18.6)	50	130.7	7.36	155.8	39.5	17.8	5.9	2.6	134.0	7.39	159.2	42.9	18.1	12.2	5.3	135.7	7.40	160.9	44.6	18.3	20.4	8.8
			60	149.7	7.51	175.3	48.0	19.9	5.7	2.5	153.8	7.54	179.5	51.8	20.4	11.8	5.1	155.9	7.56	181.7	53.8	20.6	19.7	8.5
			70	170.4	7.68	196.6	56.4	22.2	5.5	2.4	175.6	7.72	201.9	60.6	22.7	11.4	4.9	178.3	7.74	204.7	62.9	23.0	19.1	8.3
			80	193.1	7.87	220.0	64.6	24.5	5.4	2.3	199.5	7.92	226.5	69.4	25.2	11.1	4.8	202.9	7.95	230.0	71.9	25.5	18.5	8.0
			90	217.7	8.09	245.3	72.6	26.9	5.2	2.3	225.5	8.16	253.3	78.0	27.7	10.7	4.7	229.7	8.19	257.6	80.8	28.0	17.9	7.8
90	25	2.1 (5.0)	50	117.1	9.56	149.7	40.6	12.2	5.9	2.6	119.7	9.59	152.4	43.6	12.5	12.2	5.3	121.1	9.60	153.9	45.2	12.6	20.4	8.8
			60	134.2	9.74	167.4	49.3	13.8	5.7	2.5	137.5	9.77	170.8	52.7	14.1	11.8	5.1	139.2	9.79	172.6	54.4	14.2	19.7	8.5
			70	152.8	9.94	186.7	57.8	15.4	5.5	2.4	156.9	9.98	190.9	61.6	15.7	11.4	4.9	159.0	10.01	193.2	63.6	15.9	19.1	8.3
			80	172.9	10.16	207.6	66.2	17.0	5.4	2.3	177.9	10.22	212.8	70.5	17.4	11.0	4.8	180.6	10.25	215.6	72.8	17.6	18.5	8.0
			90	194.7	10.42	230.2	74.4	18.7	5.2	2.3	200.8	10.50	236.6	79.3	19.1	10.7	4.6							
	37.5	4.5 (10.4)	50	118.3	9.34	150.2	40.5	12.7	5.9	2.6	121.0	9.37	153.0	43.5	12.9	12.2	5.3	122.5	9.38	154.5	45.1	13.1	20.4	8.8
			60	135.7	9.49	168.1	49.1	14.3	5.7	2.5	139.1	9.52	171.6	52.6	14.6	11.8	5.1	140.9	9.54	173.5	54.4	14.8	19.7	8.5
			70	154.7	9.66	187.7	57.6	16.0	5.5	2.4	158.9	9.70	192.1	61.5	16.4	11.4	4.9	161.2	9.73	194.4	63.6	16.6	19.1	8.3
			80	175.3	9.86	209.0	66.0	17.8	5.4	2.3	180.5	9.91	214.4	70.4	18.2	11.1	4.8	183.3	9.94	217.2	72.7	18.4	18.5	8.0
			90	197.6	10.09	232.0	74.2	19.6	5.2	2.3	204.0	10.15	238.6	79.1	20.1	10.7	4.6							
	50	7.6 (17.5)	50	119.0	9.23	150.5	40.5	12.9	5.9	2.6	121.7	9.26	153.3	43.5	13.2	12.2	5.3	123.1	9.27	154.8	45.1	13.3	20.4	8.8
			60	136.5	9.37	168.5	49.1	14.6	5.7	2.5	140.0	9.40	172.0	52.5	14.9	11.8	5.1	141.8	9.41	173.9	54.3	15.1	19.7	8.5
			70	155.7	9.53	188.2	57.5	16.3	5.5	2.4	160.0	9.57	192.6	61.5	16.7	11.4	4.9	162.3	9.59	195.0	63.5	16.9	19.1	8.3
			80	176.5	9.71	209.7	65.9	18.2	5.4	2.3	181.8	9.76	215.1	70.3	18.6	11.1	4.8	184.7	9.79	218.0	72.6	18.9	18.5	8.0
			90	199.1	9.92	233.0	74.1	20.1	5.2	2.3	205.6	9.98	239.7	79.0	20.6	10.7	4.6							
110	25	2.0 (4.7)	50	103.4	12.12	144.7	41.7	8.5	5.9	2.5	105.5	12.14	146.9	44.4	8.7	12.1	5.3	106.6	12.15	148.1	45.7	8.8	20.3	8.8
			60	119.2	12.28	161.1	50.5	9.7	5.7	2.5	121.8	12.31	163.8	53.5	9.9	11.8	5.1	123.2	12.33	165.3	55.1	10.0	19.7	8.5
			70	136.2	12.48	178.8	59.1	10.9	5.5	2.4	139.5	12.52	182.2	62.6	11.1	11.4	4.9	141.3	12.54	184.0	64.3	11.3	19.0	8.2
			80	154.6	12.70	197.9	67.6	12.2	5.3	2.3	158.7	12.75	202.2	71.5	12.4	11.0	4.8	160.8	12.78	204.4	73.6	12.6	18.5	8.0
			90	174.4	12.96	218.6	76.0	13.5	5.2	2.2														
	37.5	4.2 (9.8)	50	104.8	11.84	145.2	41.6	8.9	5.9	2.5	107.0	11.86	147.5	44.3	9.0	12.1	5.3	108.2	11.87	148.7	45.7	9.1	20.3	8.8
			60	120.9	11.98	161.7	50.3	10.1	5.7	2.5	123.7	12.00	164.6	53.4	10.3	11.8	5.1	125.1	12.01	166.1	55.0	10.4	19.7	8.5
			70	138.3	12.14	179.7	58.9	11.4	5.5	2.4	141.8	12.17	183.3	62.4	11.6	11.4	4.9	143.6	12.19	185.2	64.3	11.8	19.0	8.2
			80	157.1	12.32	199.2	67.4	12.8	5.4	2.3	161.4	12.37	203.6	71.4	13.0	11.0	4.8	163.6	12.39	205.9	73.5	13.2	18.5	8.0
			90	177.5	12.54	220.3	75.8	14.2	5.2	2.2														
	50	7.1 (16.5)	50	105.5	11.70	145.4	41.6	9.0	5.9	2.5	107.8	11.72	147.7	44.3	9.2	12.1	5.3	108.9	11.73	148.9	45.6	9.3	20.3	8.8
			60	121.7	11.82	162.1	50.3	10.3	5.7	2.5	124.6	11.85	165.0	53.4	10.5	11.8	5.1	126.1	11.86	166.5	55.0	10.6	19.7	8.5
			70	139.4	11.97	180.2	58.9	11.6	5.5	2.4	142.9	12.00	183.8	62.4	11.9	11.4	4.9	144.7	12.02	185.7	64.2	12.0	19.0	8.2
			80	158.4	12.14	199.8	67.3	13.1	5.4	2.3	162.8	12.18	204.3	71.3	13.4	11.0	4.8	165.1	12.20	206.7	73.4	13.5	18.5	8.0
			90	179.1	12.34	221.2	75.7	14.5	5.2	2.2														

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WW180 – Full Load – Heating

Heating																									
				25 GPM							37.5 GPM							50 GPM							
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	25	2.7 (6.3)	60																					
			80	120.2	8.22	92.1	89.6	4.3	5.2	2.2	120.4	8.07	92.9	86.4	4.4	10.8	4.7	120.5	7.99	93.3	84.8	4.4	18.1	7.8
			100	117.2	10.47	81.4	109.4	3.3	4.9	2.1	117.4	10.27	82.3	106.3	3.3	10.1	4.4	117.5	10.18	82.8	104.7	3.4	17.0	7.4
			120	114.0	13.40	68.2	129.1	2.5	4.6	2.0	114.2	13.15	69.3	126.1	2.5	9.6	4.2	114.3	13.03	69.9	124.6	2.6	16.1	7.0
	37.5	5.6 (13.0)	60	125.6	6.53	103.4	70.1	5.6	5.5	2.4	126.0	6.41	104.1	66.7	5.8	11.5	5.0	126.2	6.35	104.5	65.0	5.8	19.3	8.4
			80	122.0	8.24	93.9	89.8	4.3	5.2	2.2	122.3	8.08	94.7	86.5	4.4	10.8	4.7	122.4	8.00	95.1	84.9	4.5	18.1	7.8
			100	118.7	10.49	82.9	109.5	3.3	4.9	2.1	119.0	10.28	83.9	106.3	3.4	10.1	4.4	119.1	10.19	84.3	104.8	3.4	17.0	7.4
			120	115.2	13.41	69.4	129.2	2.5	4.6	2.0	115.5	13.16	70.6	126.2	2.6	9.6	4.2	115.6	13.04	71.1	124.6	2.6	16.1	7.0
	50	9.4 (21.8)	60	126.8	6.54	104.4	70.1	5.7	5.5	2.4	127.1	6.42	105.2	66.8	5.8	11.5	5.0	127.3	6.36	105.6	65.1	5.9	19.3	8.4
			80	123.0	8.25	94.8	89.8	4.4	5.2	2.2	123.2	8.09	95.6	86.6	4.5	10.8	4.7	123.4	8.01	96.1	84.9	4.5	18.1	7.8
			100	119.5	10.49	83.7	109.6	3.3	4.9	2.1	119.8	10.29	84.6	106.4	3.4	10.1	4.4	119.9	10.19	85.1	104.8	3.4	17.0	7.4
			120	115.8	13.42	70.0	129.3	2.5	4.6	2.0	116.1	13.17	71.2	126.2	2.6	9.6	4.2	116.3	13.04	71.8	124.7	2.6	16.1	7.0
50	25	2.6 (5.9)	60	157.8	6.83	134.5	72.6	6.8	5.5	2.4	158.4	6.68	135.7	68.5	7.0	11.5	5.0	158.8	6.60	136.2	66.4	7.1	19.3	8.4
			80	152.3	8.52	123.2	92.2	5.2	5.1	2.2	152.8	8.33	124.4	88.1	5.4	10.7	4.6	153.1	8.23	125.0	86.1	5.5	18.1	7.8
			100	147.2	10.75	110.5	111.8	4.0	4.8	2.1	147.7	10.51	111.9	107.9	4.1	10.1	4.4	147.9	10.38	112.5	105.9	4.2	17.0	7.4
			120	142.1	13.66	95.5	131.4	3.0	4.6	2.0	142.6	13.35	97.1	127.6	3.1	9.6	4.1	142.9	13.20	97.8	125.7	3.2	16.1	7.0
	37.5	5.3 (12.2)	60	161.3	6.86	137.9	72.9	6.9	5.5	2.4	162.0	6.70	139.1	68.6	7.1	11.5	5.0	162.4	6.63	139.8	66.5	7.2	19.3	8.4
			80	155.2	8.55	126.1	92.4	5.3	5.1	2.2	155.8	8.35	127.3	88.3	5.5	10.7	4.6	156.2	8.25	128.0	86.2	5.5	18.1	7.8
			100	149.7	10.78	112.9	112.0	4.1	4.8	2.1	150.2	10.53	114.3	108.0	4.2	10.1	4.4	150.5	10.40	115.0	106.0	4.2	17.0	7.4
			120	144.1	13.68	97.4	131.5	3.1	4.6	2.0	144.7	13.37	99.0	127.7	3.2	9.6	4.1	144.9	13.21	99.8	125.8	3.2	16.1	7.0
	50	8.8 (20.4)	60	163.2	6.88	139.7	73.1	7.0	5.5	2.4	163.9	6.72	141.0	68.7	7.1	11.5	5.0	164.3	6.64	141.6	66.6	7.2	19.3	8.4
			80	156.8	8.57	127.6	92.5	5.4	5.1	2.2	157.4	8.37	128.9	88.4	5.5	10.7	4.6	157.8	8.27	129.6	86.3	5.6	18.1	7.8
			100	151.0	10.79	114.2	112.1	4.1	4.8	2.1	151.6	10.54	115.6	108.1	4.2	10.1	4.4	151.8	10.41	116.3	106.1	4.3	17.0	7.4
			120	145.1	13.69	98.4	131.6	3.1	4.6	2.0	145.7	13.38	100.1	127.8	3.2	9.6	4.1	146.0	13.22	100.9	125.8	3.2	16.1	7.0
70	25	2.4 (5.5)	60	199.3	7.22	174.7	75.9	8.1	5.5	2.4	200.6	7.02	176.6	70.7	8.4	11.4	4.9	201.2	6.93	177.5	68.0	8.5	19.2	8.3
			80	190.7	8.90	160.4	95.3	6.3	5.1	2.2	191.8	8.66	162.2	90.2	6.5	10.7	4.6	192.3	8.54	163.2	87.7	6.6	18.0	7.8
			100	182.7	11.12	144.8	114.6	4.8	4.8	2.1	183.7	10.82	146.8	109.8	5.0	10.1	4.4	184.2	10.67	147.8	107.4	5.1	17.0	7.4
			120	174.8	14.02	127.0	134.0	3.7	4.6	2.0	175.7	13.64	129.2	129.4	3.8	9.5	4.1	176.2	13.45	130.3	127.0	3.8	16.1	7.0
	37.5	4.9 (11.4)	60	204.8	7.27	180.0	76.4	8.3	5.4	2.4	206.2	7.07	182.1	71.0	8.5	11.4	4.9	206.9	6.97	183.1	68.3	8.7	19.2	8.3
			80	195.4	8.95	164.8	95.6	6.4	5.1	2.2	196.6	8.70	166.9	90.5	6.6	10.7	4.6	197.2	8.58	167.9	87.9	6.7	18.0	7.8
			100	186.6	11.17	148.5	114.9	4.9	4.8	2.1	187.6	10.85	150.6	110.0	5.1	10.1	4.4	188.2	10.70	151.7	107.5	5.2	17.0	7.3
			120	177.9	14.05	129.9	134.2	3.7	4.6	2.0	178.9	13.67	132.3	129.5	3.8	9.5	4.1	179.4	13.48	133.4	127.2	3.9	16.1	7.0
	50	8.3 (19.1)	60	207.8	7.30	182.9	76.6	8.3	5.4	2.4	209.2	7.10	185.0	71.2	8.6	11.4	4.9	210.0	7.00	186.1	68.4	8.8	19.2	8.3
			80	197.8	8.98	167.2	95.8	6.5	5.1	2.2	199.1	8.72	169.3	90.6	6.7	10.7	4.6	199.7	8.60	170.4	88.0	6.8	18.0	7.8
			100	188.6	11.19	150.4	115.1	4.9	4.8	2.1	189.7	10.87	152.6	110.1	5.1	10.1	4.4	190.3	10.72	153.7	107.6	5.2	17.0	7.3
			120	179.5	14.07	131.5	134.4	3.7	4.6	2.0	180.6	13.68	133.9	129.6	3.9	9.5	4.1	181.1	13.49	135.1	127.2	3.9	16.1	7.0
90	25	2.3 (5.2)	60	248.5	7.70	222.3	79.9	9.5	5.4	2.3	250.7	7.46	225.3	73.4	9.9	11.4	4.9	251.8	7.34	226.8	70.1	10.1	19.2	8.3
			80	236.2	9.39	204.1	98.9	7.4	5.1	2.2	238.1	9.09	207.1	92.7	7.7	10.7	4.6	239.0	8.94	208.5	89.6	7.8	18.0	7.8
			100	224.4	11.61	184.8	118.0	5.7	4.8	2.1	226.1	11.23	187.8	112.1	5.9	10.0	4.4	227.0	11.05	189.3	109.1	6.0	16.9	7.3
			120								214.4	14.03	166.6	131.4	4.5	9.5	4.1	215.3	13.81	168.2	128.6	4.6	16.0	6.9
	37.5	4.6 (10.7)	60	256.8	7.78	230.2	80.5	9.7	5.4	2.3	259.3	7.53	233.5	73.8	10.1	11.4	4.9	260.5	7.41	235.2	70.4	10.3	19.2	8.3
			80	243.1	9.46	210.8	99.4	7.5	5.1	2.2	245.3	9.16	214.0	93.1	7.9	10.7	4.6	246.4	9.01	215.7	89.9	8.0	18.0	7.8
			100																					
			120																					
	50	7.8 (17.9)	60	261.2	7.83	234.5	80.9	9.8	5.4	2.3	263.9	7.58	238.0	74.1	10.2	11.4	4.9							
			80															250.3	9.04	219.5	90.0	8.1	18.0	7.8
			100																					
			120																					

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

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Capacity Data

WW210 – Full Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	30 GPM							45 GPM							60 GPM							
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	30	3.4 (7.8)	50	180.3	8.73	210.0	38.0	20.6	8.2	3.6	185.8	8.83	215.9	41.7	21.1	16.9	7.3	188.8	8.88	219.1	43.7	21.3	28.3	12.3
			60	208.3	9.25	239.8	46.1	22.5	8.0	3.4	215.4	9.39	247.4	50.4	22.9	16.4	7.1	219.2	9.47	251.5	52.7	23.1	27.4	11.9
			70	239.0	9.91	272.9	54.1	24.1	7.7	3.3	248.0	10.12	282.5	59.0	24.5	15.9	6.9	252.8	10.24	287.8	61.6	24.7	26.6	11.5
			80	272.6	10.74	309.3	61.8	25.4	7.5	3.2	283.8	11.04	321.5	67.4	25.7	15.4	6.7	289.9	11.21	328.1	70.3	25.9	25.8	11.1
			90																					
	45	7.1 (16.3)	50	181.8	8.60	211.2	37.9	21.1	8.2	3.6	187.5	8.70	217.2	41.7	21.6	16.9	7.3	190.6	8.75	220.4	43.6	21.8	28.3	12.3
			60	210.3	9.13	241.4	46.0	23.0	8.0	3.4	217.6	9.28	249.2	50.3	23.4	16.4	7.1	221.5	9.37	253.4	52.6	23.6	27.4	11.9
			70	241.6	9.83	275.1	53.9	24.6	7.7	3.3	250.8	10.05	285.1	58.9	25.0	15.9	6.9	255.8	10.18	290.5	61.5	25.1	26.6	11.5
			80	275.9	10.70	312.4	61.6	25.8	7.5	3.2	287.4	11.02	325.0	67.2	26.1	15.4	6.7							
			90																					
	60	11.9 (27.6)	50	182.6	8.54	211.8	37.8	21.4	8.2	3.6	188.4	8.64	217.9	41.6	21.8	16.9	7.3	191.5	8.69	221.1	43.6	22.0	28.3	12.3
			60	211.3	9.08	242.3	45.9	23.3	8.0	3.4	218.7	9.24	250.2	50.3	23.7	16.4	7.1	222.6	9.32	254.5	52.6	23.9	27.4	11.9
			70	242.9	9.79	276.3	53.8	24.8	7.7	3.3	252.3	10.02	286.5	58.8	25.2	15.9	6.9	257.3	10.15	292.0	61.4	25.3	26.6	11.5
			80	277.5	10.70	314.0	61.5	25.9	7.5	3.2														
			90																					
70	30	3.2 (7.3)	50	166.2	10.36	201.5	38.9	16.0	8.2	3.6	171.0	10.41	206.5	42.4	16.4	16.9	7.3	173.5	10.44	209.1	44.2	16.6	28.3	12.3
			60	192.5	10.68	228.9	47.2	18.0	7.9	3.4	198.6	10.77	235.4	51.2	18.4	16.4	7.1	201.9	10.82	238.8	53.3	18.7	27.4	11.9
			70	221.3	11.12	259.3	55.2	19.9	7.7	3.3	229.1	11.26	267.5	59.8	20.4	15.9	6.9	233.3	11.33	272.0	62.2	20.6	26.5	11.5
			80	252.9	11.70	292.8	63.1	21.6	7.5	3.2	262.6	11.90	303.2	68.3	22.1	15.4	6.7	267.8	12.01	308.8	71.1	22.3	25.7	11.1
			90	287.1	12.44	329.6	70.9	23.1	7.3	3.1														
	45	6.6 (15.3)	50	167.8	10.13	202.4	38.8	16.6	8.2	3.6	172.7	10.18	207.5	42.3	17.0	16.9	7.3	175.4	10.21	210.2	44.2	17.2	28.3	12.3
			60	194.6	10.44	230.2	47.0	18.6	8.0	3.4	200.9	10.53	236.8	51.1	19.1	16.4	7.1	204.3	10.58	240.4	53.2	19.3	27.4	11.9
			70	224.0	10.88	261.1	55.1	20.6	7.7	3.3	232.1	11.01	269.7	59.7	21.1	15.9	6.9	236.4	11.09	274.2	62.1	21.3	26.5	11.5
			80	256.3	11.46	295.4	62.9	22.4	7.5	3.2	266.4	11.67	306.2	68.2	22.8	15.4	6.7	271.8	11.78	312.0	70.9	23.1	25.7	11.1
			90	291.4	12.22	333.1	70.6	23.9	7.3	3.1	303.9	12.51	346.5	76.5	24.3	15.0	6.5							
	60	11.2 (25.8)	50	168.6	10.02	202.8	38.8	16.8	8.2	3.6	173.6	10.07	208.0	42.3	17.2	16.9	7.3	176.3	10.10	210.7	44.1	17.5	28.3	12.3
			60	195.6	10.33	230.9	47.0	18.9	8.0	3.4	202.1	10.41	237.6	51.0	19.4	16.4	7.1	205.5	10.46	241.2	53.2	19.6	27.4	11.9
			70	225.4	10.76	262.1	55.0	20.9	7.7	3.3	233.5	10.90	270.7	59.6	21.4	15.9	6.9	238.0	10.98	275.4	62.1	21.7	26.5	11.5
			80	258.0	11.35	296.7	62.8	22.7	7.5	3.2	268.2	11.56	307.7	68.1	23.2	15.4	6.7	273.8	11.68	313.7	70.9	23.4	25.7	11.1
			90	293.5	12.12	334.8	70.4	24.2	7.3	3.1	306.2	12.42	348.6	76.4	24.6	15.0	6.5							
90	30	3.0 (6.9)	50	150.7	12.89	194.6	40.0	11.7	8.2	3.5	154.7	12.93	198.8	43.1	12.0	16.9	7.3	156.8	12.95	200.9	44.8	12.1	28.3	12.2
			60	174.9	13.13	219.7	48.3	13.3	7.9	3.4	180.1	13.18	225.0	52.0	13.7	16.4	7.1	182.8	13.21	227.9	53.9	13.8	27.4	11.8
			70	201.6	13.44	247.5	56.6	15.0	7.7	3.3	208.2	13.53	254.3	60.7	15.4	15.8	6.9	211.6	13.57	258.0	62.9	15.6	26.5	11.5
			80	230.8	13.86	278.1	64.6	16.7	7.5	3.2	239.0	13.99	286.7	69.4	17.1	15.4	6.7	243.4	14.07	291.4	71.9	17.3	25.7	11.1
			90	262.6	14.41	311.8	72.5	18.2	7.3	3.1														
	45	6.2 (14.4)	50	152.4	12.57	195.3	39.8	12.1	8.2	3.5	156.5	12.60	199.5	43.0	12.4	16.9	7.3	158.7	12.62	201.8	44.7	12.6	28.3	12.2
			60	177.2	12.77	220.8	48.2	13.9	7.9	3.4	182.5	12.82	226.3	51.9	14.2	16.4	7.1	185.3	12.85	229.2	53.8	14.4	27.4	11.8
			70	204.5	13.06	249.0	56.4	15.7	7.7	3.3	211.3	13.14	256.1	60.6	16.1	15.9	6.9	214.9	13.18	259.9	62.8	16.3	26.5	11.5
			80	234.4	13.45	280.3	64.4	17.4	7.5	3.2	243.0	13.57	289.3	69.2	17.9	15.4	6.7	247.6	13.65	294.1	71.7	18.1	25.7	11.1
			90	267.1	13.97	314.8	72.2	19.1	7.3	3.1														
	60	10.5 (24.3)	50	153.3	12.42	195.7	39.8	12.3	8.2	3.5	157.5	12.45	200.0	43.0	12.7	16.9	7.3	159.7	12.46	202.2	44.7	12.8	28.3	12.2
			60	178.3	12.60	221.3	48.1	14.1	7.9	3.4	183.7	12.65	226.9	51.8	14.5	16.4	7.1	186.6	12.67	229.9	53.8	14.7	27.4	11.8
			70	205.9	12.87	249.8	56.3	16.0	7.7	3.3	212.8	12.95	257.0	60.5	16.4	15.9	6.9	216.5	12.99	260.9	62.8	16.7	26.5	11.5
			80	236.2	13.25	281.4	64.3	17.8	7.5	3.2	245.0	13.37	290.6	69.1	18.3	15.4	6.7	249.7	13.45	295.5	71.7	18.6	25.7	11.1
			90	269.3	13.77	316.3	72.0	19.6	7.3	3.1														
110	30	2.8 (6.5)	50	133.3	16.27	188.8	41.1	8.2	8.2	3.5	136.5	16.31	192.1	43.9	8.4	16.9	7.3	138.2	16.33	193.9	45.4	8.5	28.2	12.2
			60	155.2	16.53	211.6	49.7	9.4	7.9	3.4	159.4	16.58	215.9	52.9	9.6	16.3	7.1	161.5	16.61	218.2	54.6	9.7	27.3	11.8
			70	179.4	16.82	236.8	58.0	10.7	7.7	3.3	184.7	16.89	242.3	61.8	10.9	15.8	6.8	187.5	16.93	245.2	63.8	11.1	26.5	11.5
			80	206.0	17.18	264.6	66.3	12.0	7.4	3.2	212.6	17.28	271.6	70.6	12.3	15.3	6.6	216.1	17.33	275.3	72.8	12.5	25.6	11.1
			90	235.0	17.63	295.1	74.3	13.3	7.2	3.1														
	45	5.9 (13.6)	50	135.2	15.88	189.4	41.0	8.5	8.2	3.5	138.5	15.91	192.8	43.8	8.7	16.9	7.3	140.3	15.92	194.6	45.3	8.8	28.3	12.2
			60	157.7	16.08	212.6	49.5	9.8	7.9	3.4	162.0	16.12	217.0	52.8	10.0	16.3	7.1	164.2	16.14	219.3	54.5	10.2	27.3	11.8
			70	182.5	16.32	238.2	57.8	11.2	7.7	3.3	188.0	16.37	243.9	61.6	11.5	15.8	6.8	191.0	16.40	246.9	63.6	11.6	26.5	11.5
			80	209.9	16.62	266.5	66.0	12.6	7.4	3.2	216.8	16.70	273.8	70.4	13.0	15.3	6.6	220.5	16.75	277.7	72.6	13.2	25.7	11.1
			90	239.8	17.01	297.8	74.0	14.1	7.2	3.1														
	60	9.9 (22.9)	50	136.2	15.68	189.7	40.9	8.7	8.2	3.5	139.6	15.71	193.2	43.8	8.9	16.9	7.3	141.3	15.72	195.0	45.3	9.0	28.3	12.2
			60	158.9	15.86	213.0	49.4	10.0	7.9	3.4	163.3	15.89	217.5	52.7	10.3	16.3	7.1	165.6	15.91	219.9	54.5	10.4	27.3	11.8
			70	184.1	16.07	238.9	57.7	11.5	7.7	3.3	189.7	16.12	244.7	61.6	11.8	15.8	6.9	192.7	16.15	247.8	63.6	11.9	26.5	11.5
			80	211.8	16.34	267.5	65.9	13.0	7.4	3.2	218.9	16.42	275.0	70.3	13.3	15.3	6.6	222.7	16.46	278.9	72.6	13.5	25.7	11.1
			90	242.2	16.71	299.2	73.9	14.5	7.2	3.1														

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WW210 – Full Load – Heating

Heating																									
				30 GPM							45 GPM							60 GPM							
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	30	3.8 (8.7)	60																					
			80	153.3	11.16	115.2	90.2	4.0	7.2	3.1														
			100	150.5	14.05	102.6	110.0	3.1	6.7	2.9	150.7	13.78	103.7	106.7	3.2	14.1	6.1	150.8	13.65	104.2	105.0	3.2	23.7	10.2
			120	148.4	17.53	88.6	129.9	2.5	6.4	2.8	148.6	17.22	89.8	126.6	2.5	13.3	5.8	148.7	17.07	90.4	125.0	2.6	22.4	9.7
	45	7.8 (18.1)	60	160.3	8.95	129.8	70.7	5.2	7.6	3.3	160.8	8.79	130.8	67.1	5.4	15.9	6.9	161.1	8.71	131.4	65.4	5.4	26.8	11.6
			80	155.9	11.18	117.7	90.4	4.1	7.2	3.1	156.2	10.96	118.8	86.9	4.2	14.9	6.5	156.4	10.85	119.4	85.2	4.2	25.1	10.9
			100	152.7	14.07	104.7	110.2	3.2	6.7	2.9	152.9	13.80	105.8	106.8	3.2	14.1	6.1	153.0	13.67	106.4	105.1	3.3	23.7	10.2
			120	150.1	17.57	90.2	130.0	2.5	6.4	2.8	150.3	17.26	91.5	126.7	2.6	13.3	5.8	150.4	17.10	92.1	125.0	2.6	22.4	9.7
	60	13.1 (30.3)	60	162.0	8.97	131.4	70.8	5.3	7.6	3.3	162.5	8.80	132.5	67.2	5.4	15.9	6.9	162.8	8.72	133.0	65.4	5.5	26.8	11.6
			80	157.3	11.19	119.1	90.5	4.1	7.2	3.1	157.6	10.97	120.2	87.0	4.2	14.9	6.5	157.8	10.86	120.7	85.3	4.3	25.1	10.9
			100	153.8	14.09	105.7	110.3	3.2	6.7	2.9	154.1	13.82	106.9	106.8	3.3	14.1	6.1	154.2	13.68	107.5	105.1	3.3	23.7	10.2
			120	151.0	17.60	91.0	130.1	2.5	6.4	2.8	151.3	17.28	92.3	126.7	2.6	13.3	5.8	151.4	17.12	93.0	125.0	2.6	22.4	9.7
50	30	3.5 (8.2)	60	205.5	9.43	173.4	73.7	6.4	7.6	3.3	206.5	9.25	175.0	69.2	6.5	15.9	6.9	207.0	9.16	175.8	66.9	6.6	26.8	11.6
			80	197.9	11.52	158.6	93.2	5.0	7.1	3.1	198.7	11.24	160.3	88.8	5.2	14.9	6.4	199.1	11.11	161.2	86.6	5.3	25.1	10.9
			100	191.6	14.48	142.2	112.8	3.9	6.7	2.9	192.3	14.12	144.1	108.5	4.0	14.0	6.1	192.6	13.94	145.0	106.4	4.0	23.6	10.2
			120	186.2	18.27	123.8	132.4	3.0	6.4	2.8	186.7	17.84	125.8	128.3	3.1	13.3	5.7	187.0	17.63	126.8	126.2	3.1	22.3	9.7
	45	7.3 (16.9)	60	211.0	9.50	178.5	74.1	6.5	7.6	3.3	212.1	9.32	180.3	69.4	6.7	15.9	6.9	212.7	9.23	181.2	67.1	6.7	26.8	11.6
			80	202.4	11.56	163.0	93.5	5.1	7.1	3.1	203.3	11.28	164.8	89.0	5.3	14.9	6.4	203.8	11.14	165.8	86.8	5.4	25.1	10.9
			100	195.3	14.51	145.8	113.0	3.9	6.7	2.9	196.1	14.15	147.8	108.7	4.1	14.0	6.1	196.4	13.97	148.8	106.5	4.1	23.6	10.2
			120	189.1	18.32	126.6	132.6	3.0	6.4	2.8	189.7	17.88	128.7	128.4	3.1	13.3	5.7	190.0	17.66	129.8	126.3	3.2	22.3	9.7
	60	12.2 (28.3)	60	213.8	9.54	181.3	74.3	6.6	7.6	3.3	215.0	9.36	183.1	69.6	6.7	15.9	6.9	215.7	9.27	184.0	67.2	6.8	26.8	11.6
			80	204.9	11.58	165.3	93.7	5.2	7.1	3.1	205.8	11.30	167.2	89.1	5.3	14.9	6.4	206.3	11.16	168.2	86.9	5.4	25.1	10.9
			100	197.3	14.53	147.7	113.2	4.0	6.7	2.9	198.1	14.16	149.8	108.8	4.1	14.0	6.1	198.5	13.98	150.8	106.6	4.2	23.6	10.2
			120	190.6	18.34	128.0	132.7	3.0	6.4	2.8	191.3	17.90	130.2	128.5	3.1	13.3	5.7	191.6	17.68	131.3	126.4	3.2	22.3	9.7
70	30	3.3 (7.7)	60	265.8	10.38	230.4	77.7	7.5	7.5	3.3	267.9	10.21	233.0	71.9	7.7	15.8	6.8	268.9	10.13	234.3	69.0	7.8	26.7	11.5
			80	253.2	12.15	211.8	96.9	6.1	7.1	3.1	254.9	11.83	214.5	91.3	6.3	14.8	6.4	255.8	11.68	215.9	88.5	6.4	25.0	10.8
			100	242.0	15.00	190.9	116.1	4.7	6.7	2.9	243.5	14.55	193.8	110.8	4.9	14.0	6.1	244.2	14.33	195.3	108.1	5.0	23.6	10.2
			120	231.8	18.90	167.3	135.5	3.6	6.3	2.7	233.1	18.34	170.5	130.4	3.7	13.2	5.7	233.7	18.06	172.1	127.8	3.8	22.3	9.7
	45	6.9 (15.8)	60	274.8	10.55	238.8	78.3	7.6	7.5	3.3	277.1	10.38	241.7	72.3	7.8	15.8	6.8	278.3	10.31	243.1	69.3	7.9	26.7	11.5
			80	260.7	12.25	218.9	97.4	6.2	7.1	3.1	262.7	11.93	222.0	91.7	6.5	14.8	6.4	263.7	11.78	223.5	88.8	6.6	25.0	10.8
			100	248.2	15.07	196.8	116.5	4.8	6.7	2.9	249.9	14.62	200.0	111.1	5.0	14.0	6.0	250.7	14.39	201.6	108.4	5.1	23.5	10.2
			120								238.1	18.39	175.3	130.6	3.8	13.2	5.7	238.9	18.11	177.1	128.0	3.9	22.3	9.6
	60	11.5 (26.5)	60	279.6	10.64	243.3	78.6	7.7	7.5	3.3	282.1	10.48	246.3	72.5	7.9	15.8	6.8	283.4	10.41	247.9	69.4	8.0	26.7	11.5
			80	264.8	12.31	222.8	97.7	6.3	7.1	3.1	266.8	11.99	225.9	91.9	6.5	14.8	6.4	267.9	11.84	227.5	88.9	6.6	25.0	10.8
			100	251.5	15.11	199.9	116.8	4.9	6.7	2.9	253.3	14.65	203.3	111.3	5.1	14.0	6.0	254.2	14.43	204.9	108.5	5.2	23.5	10.2
			120								240.8	18.42	177.9	130.7	3.8	13.2	5.7	241.6	18.13	179.7	128.1	3.9	22.3	9.6
90	30	3.1 (7.3)	60	339.1	11.94	298.4	82.6	8.3	7.5	3.2	342.9	11.83	302.5	75.2	8.5	15.7	6.8	344.8	11.79	304.6	71.5	8.6	26.6	11.5
			80	320.5	13.27	275.2	101.4	7.1	7.0	3.0	323.7	12.93	279.6	94.4	7.3	14.8	6.4	325.4	12.78	281.8	90.8	7.5	24.9	10.8
			100	303.3	15.86	249.2	120.2	5.6	6.6	2.9	306.2	15.33	253.8	113.6	5.9	13.9	6.0	307.6	15.08	256.2	110.3	6.0	23.5	10.2
			120																					
	45	6.5 (14.9)	60	353.1	12.28	311.3	83.5	8.4	7.5	3.2	357.5	12.19	315.9	75.9	8.6	15.7	6.8							
			80																					
			100																					
			120																					
	60	10.8 (24.9)	60																					
			80																					
			100																					
			120																					

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WW240 – Full Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	36 GPM							54 GPM							72 GPM							
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	36	2.3 (5.2)	50	239.8	12.13	281.1	36.7	19.8	5.5	2.4	246.8	12.19	288.4	40.9	20.2	11.4	4.9	250.5	12.22	292.2	43.0	20.5	19.0	8.2
			60	271.6	12.38	313.8	44.9	21.9	5.3	2.3	280.2	12.44	322.7	49.6	22.5	11.0	4.8	284.8	12.47	327.4	52.1	22.8	18.4	8.0
			70	305.8	12.59	348.8	53.0	24.3	5.2	2.2	316.4	12.64	359.5	58.3	25.0	10.7	4.6	322.0	12.66	365.2	61.1	25.4	17.8	7.7
			80	342.6	12.74	386.1	61.0	26.9	5.0	2.2	355.3	12.78	398.9	66.8	27.8	10.3	4.5	362.1	12.80	405.7	69.9	28.3	17.2	7.5
			90	381.9	12.85	425.7	68.8	29.7	4.9	2.1														
	54	4.7 (10.9)	50	241.6	12.02	282.6	36.6	20.1	5.5	2.4	248.7	12.07	289.9	40.8	20.6	11.4	4.9	252.5	12.10	293.8	43.0	20.9	19.0	8.2
			60	273.3	12.25	315.1	44.8	22.3	5.3	2.3	282.0	12.30	324.0	49.6	22.9	11.0	4.8	286.7	12.32	328.7	52.0	23.3	18.4	8.0
			70	307.5	12.42	349.9	52.9	24.8	5.2	2.2	318.1	12.45	360.6	58.2	25.5	10.7	4.6	323.7	12.47	366.3	61.0	26.0	17.8	7.7
			80	344.2	12.52	386.9	60.9	27.5	5.0	2.2	356.8	12.55	399.6	66.8	28.4	10.3	4.5	363.6	12.55	406.5	69.9	29.0	17.3	7.5
			90																					
	72	8.0 (18.4)	50	242.5	11.97	283.3	36.5	20.3	5.5	2.4	249.6	12.03	290.6	40.8	20.8	11.4	4.9	253.4	12.05	294.5	43.0	21.0	19.0	8.2
			60	274.2	12.19	315.8	44.8	22.5	5.3	2.3	282.9	12.24	324.6	49.5	23.1	11.0	4.8	287.5	12.26	329.3	52.0	23.5	18.4	8.0
			70	308.3	12.34	350.4	52.9	25.0	5.2	2.2	318.8	12.38	361.1	58.2	25.8	10.7	4.6	324.5	12.39	366.7	61.0	26.2	17.8	7.7
			80	344.8	12.43	387.2	60.8	27.7	5.0	2.2	357.5	12.44	399.9	66.8	28.7	10.3	4.5							
			90																					
70	36	2.1 (4.9)	50	222.2	13.90	269.6	37.7	16.0	5.5	2.4	228.9	13.96	276.6	41.5	16.4	11.3	4.9	232.5	14.00	280.3	43.5	16.6	19.0	8.2
			60	254.9	14.21	303.3	45.8	17.9	5.3	2.3	263.2	14.28	311.9	50.3	18.4	11.0	4.8	267.6	14.32	316.5	52.6	18.7	18.4	7.9
			70	289.9	14.51	339.4	53.9	20.0	5.2	2.2	300.1	14.60	349.9	58.9	20.6	10.6	4.6	305.5	14.64	355.5	61.5	20.9	17.8	7.7
			80	327.4	14.81	377.9	61.8	22.1	5.0	2.2	339.7	14.91	390.5	67.4	22.8	10.3	4.5	346.2	14.96	397.3	70.4	23.2	17.2	7.5
			90	367.2	15.11	418.8	69.6	24.3	4.9	2.1	381.9	15.21	433.8	75.9	25.1	10.0	4.3	389.8	15.26	441.9	79.2	25.5	16.7	7.2
	54	4.4 (10.2)	50	224.7	13.59	271.1	37.5	16.5	5.5	2.4	231.6	13.64	278.1	41.4	17.0	11.3	4.9	235.2	13.68	281.9	43.5	17.2	19.0	8.2
			60	257.6	13.86	304.9	45.7	18.6	5.3	2.3	266.1	13.92	313.6	50.1	19.1	11.0	4.8	270.7	13.95	318.3	52.5	19.4	18.4	7.9
			70	293.0	14.11	341.2	53.7	20.8	5.2	2.2	303.4	14.18	351.8	58.8	21.4	10.6	4.6	308.9	14.22	357.4	61.4	21.7	17.8	7.7
			80	330.8	14.35	379.8	61.6	23.1	5.0	2.2	343.3	14.42	392.5	67.3	23.8	10.3	4.5	350.1	14.45	399.4	70.3	24.2	17.2	7.5
			90	371.0	14.56	420.7	69.4	25.5	4.9	2.1	386.0	14.63	435.9	75.7	26.4	10.0	4.3	394.0	14.67	444.1	79.1	26.9	16.7	7.2
	72	7.5 (17.3)	50	226.0	13.44	271.8	37.4	16.8	5.5	2.4	232.9	13.49	278.9	41.4	17.3	11.3	4.9	236.6	13.52	282.7	43.4	17.5	19.0	8.2
			60	259.0	13.69	305.7	45.6	18.9	5.3	2.3	267.6	13.75	314.5	50.1	19.5	11.0	4.8	272.1	13.78	319.2	52.4	19.7	18.4	7.9
			70	294.5	13.92	342.0	53.6	21.2	5.2	2.2	305.0	13.98	352.7	58.7	21.8	10.6	4.6	310.6	14.01	358.4	61.4	22.2	17.8	7.7
			80	332.4	14.13	380.6	61.5	23.5	5.0	2.2	345.1	14.19	393.5	67.2	24.3	10.3	4.5	351.8	14.22	400.4	70.2	24.7	17.2	7.5
			90	372.8	14.31	421.6	69.3	26.1	4.9	2.1	387.8	14.36	436.8	75.6	27.0	10.0	4.3	396.0	14.39	445.1	79.0	27.5	16.7	7.2
90	36	2.0 (4.6)	50	199.6	17.28	258.5	38.9	11.5	5.5	2.4	205.4	17.33	264.6	42.4	11.9	11.3	4.9	208.5	17.36	267.8	44.2	12.0	18.9	8.2
			60	231.4	17.58	291.4	47.1	13.2	5.3	2.3	238.8	17.66	299.0	51.2	13.5	11.0	4.7	242.7	17.69	303.0	53.3	13.7	18.3	7.9
			70	265.6	17.93	326.8	55.2	14.8	5.2	2.2	274.7	18.02	336.2	59.8	15.2	10.6	4.6	279.6	18.07	341.2	62.2	15.5	17.8	7.7
			80	302.3	18.30	364.7	63.2	16.5	5.0	2.2	313.3	18.42	376.2	68.4	17.0	10.3	4.5	319.2	18.48	382.3	71.1	17.3	17.2	7.5
			90	341.2	18.71	405.1	71.0	18.2	4.9	2.1	354.5	18.86	418.8	76.9	18.8	10.0	4.3	361.7	18.93	426.3	80.0	19.1	16.7	7.2
	54	4.2 (9.6)	50	202.5	16.79	259.8	38.7	12.1	5.5	2.4	208.6	16.83	266.0	42.3	12.4	11.3	4.9	211.8	16.86	269.3	44.1	12.6	19.0	8.2
			60	234.9	17.03	293.0	46.9	13.8	5.3	2.3	242.5	17.09	300.9	51.0	14.2	11.0	4.7	246.6	17.13	305.0	53.2	14.4	18.3	7.9
			70	269.8	17.31	328.9	55.0	15.6	5.2	2.2	279.2	17.39	338.6	59.7	16.1	10.6	4.6	284.3	17.43	343.7	62.1	16.3	17.8	7.7
			80	307.2	17.61	367.3	62.9	17.4	5.0	2.2	318.6	17.70	379.1	68.2	18.0	10.3	4.5	324.8	17.75	385.4	71.0	18.3	17.2	7.5
			90	346.9	17.93	408.1	70.7	19.3	4.9	2.1	360.8	18.04	422.3	76.6	20.0	10.0	4.3	368.2	18.10	430.0	79.8	20.3	16.7	7.2
	72	7.0 (16.2)	50	204.0	16.55	260.4	38.7	12.3	5.5	2.4	210.1	16.59	266.7	42.2	12.7	11.3	4.9	213.4	16.61	270.1	44.1	12.8	19.0	8.2
			60	236.7	16.77	293.9	46.9	14.1	5.3	2.3	244.4	16.82	301.8	50.9	14.5	11.0	4.7	248.5	16.85	306.0	53.1	14.7	18.3	7.9
			70	271.9	17.01	329.9	54.9	16.0	5.2	2.2	281.4	17.08	339.7	59.6	16.5	10.6	4.6	286.6	17.12	345.0	62.0	16.7	17.8	7.7
			80	309.5	17.28	368.5	62.8	17.9	5.0	2.2	321.2	17.36	380.5	68.1	18.5	10.3	4.5	327.5	17.40	386.9	70.9	18.8	17.2	7.5
			90	349.7	17.55	409.6	70.6	19.9	4.9	2.1	363.8	17.65	424.0	76.5	20.6	10.0	4.3	371.3	17.70	431.7	79.7	21.0	16.7	7.2
110	36	1.9 (4.3)	50	172.9	22.29	248.9	40.4	7.8	5.5	2.4	177.5	22.32	253.7	43.4	8.0	11.3	4.9	180.0	22.34	256.2	45.0	8.1	18.9	8.2
			60	202.3	22.51	279.1	48.8	9.0	5.3	2.3	208.3	22.56	285.3	52.3	9.2	10.9	4.7	211.4	22.59	288.5	54.1	9.4	18.3	7.9
			70	234.2	22.81	312.1	57.0	10.3	5.1	2.2	241.7	22.89	319.8	61.0	10.6	10.6	4.6	245.7	22.94	323.9	63.2	10.7	17.7	7.7
			80	268.5	23.20	347.7	65.1	11.6	5.0	2.2	277.7	23.31	357.2	69.7	11.9	10.3	4.5	282.6	23.37	362.4	72.1	12.1	17.2	7.4
			90	305.2	23.66	385.9	73.0	12.9	4.9	2.1	316.3	23.81	397.5	78.3	13.3	10.0	4.3							
	54	3.9 (9.1)	50	176.1	21.63	249.9	40.2	8.1	5.5	2.4	181.0	21.65	254.9	43.3	8.4	11.3	4.9	183.6	21.66	257.5	44.9	8.5	18.9	8.2
			60	206.4	21.78	280.7	48.5	9.5	5.3	2.3	212.6	21.82	287.1	52.1	9.7	10.9	4.7	216.0	21.84	290.5	54.0	9.9	18.3	7.9
			70	239.2	22.01	314.3	56.7	10.9	5.1	2.2	247.1	22.07	322.4	60.8	11.2	10.6	4.6	251.2	22.11	326.7	63.0	11.4	17.7	7.7
			80	274.5	22.31	350.7	64.7	12.3	5.0	2.2	284.3	22.40	360.7	69.5	12.7	10.3	4.5	289.4	22.45	366.0	72.0	12.9	17.2	7.4
			90	312.4	22.67	389.7	72.6	13.8	4.9	2.1	324.2	22.79	401.9	78.0	14.2	10.0	4.3							
	72	6.6 (15.3)	50	177.8	21.30	250.4	40.1	8.3	5.5	2.4	182.8	21.32	255.5	43.2	8.6	11.3	4.9	185.4	21.33	258.2	44.9	8.7	18.9	8.2
			60	208.4	21.42	281.5	48.4	9.7	5.3	2.3	214.8	21.46	288.0	52.0	10.0	10.9	4.7	218.2	21.48	291.5	53.9	10.2	18.3	7.9
			70	241.7	21.62	315.4	56.6	11.2	5.1	2.2	249.7	21.67	323.7	60.8	11.5	10.6	4.6	254.0	21.70	328.1	62.9	11.7	17.7	7.7
			80	277.5	21.87	352.1	64.6	12.7	5.0	2.2	287.5	21.95	362.4	69.4	13.1	10.3	4.5	292.8	21.99	367.9	71.9	13.3	17.2	7.4
			90	315.9	22.18	391.6	72.5	14.2	4.9	2.1	328.1	22.29	404.1	77.8	14.7	10.0	4.3							

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WW240 – Full Load – Heating

Heating																									
				36 GPM							54 GPM							72 GPM							
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	36	2.5 (5.9)	60																					
			80																					
			100	198.1	19.24	132.4	111.0	3.0	4.5	2.0	198.4	18.76	134.4	107.3	3.1	9.4	4.1	198.6	18.52	135.4	105.5	3.1	15.8	6.9
			120	198.0	25.50	111.0	131.0	2.3	4.3	1.8	197.7	24.85	112.9	127.3	2.3	8.9	3.9	197.5	24.53	113.9	125.5	2.4	15.0	6.5
	54	5.2 (12.1)	60																					
			80	208.5	14.85	157.8	91.6	4.1	4.8	2.1	209.5	14.52	159.9	87.8	4.2	10.0	4.3	210.0	14.36	161.0	85.8	4.3	16.8	7.3
			100	201.2	19.25	135.5	111.2	3.1	4.5	2.0	201.7	18.77	137.7	107.5	3.1	9.4	4.1	201.9	18.53	138.7	105.6	3.2	15.8	6.8
			120	200.1	25.48	113.2	131.1	2.3	4.3	1.8	199.9	24.82	115.2	127.4	2.4	8.9	3.9	199.8	24.50	116.2	125.6	2.4	15.0	6.5
	72	8.8 (20.3)	60																					
			80	210.6	14.87	159.9	91.7	4.2	4.8	2.1	211.6	14.53	162.0	87.8	4.3	10.0	4.3	212.1	14.37	163.1	85.9	4.3	16.8	7.3
			100	202.9	19.26	137.2	111.3	3.1	4.5	2.0	203.4	18.77	139.3	107.5	3.2	9.4	4.1	203.6	18.53	140.4	105.7	3.2	15.8	6.8
			120	201.2	25.47	114.3	131.2	2.3	4.3	1.8	201.1	24.81	116.4	127.4	2.4	8.9	3.9	201.0	24.49	117.5	125.6	2.4	15.0	6.5
50	36	2.4 (5.5)	60	275.4	12.81	231.7	75.3	6.3	5.1	2.2	276.9	12.60	233.9	70.3	6.4	10.6	4.6	277.6	12.50	235.0	67.7	6.5	17.9	7.7
			80	264.0	15.38	211.5	94.7	5.0	4.8	2.1	265.3	14.98	214.2	89.8	5.2	10.0	4.3	266.0	14.79	215.6	87.4	5.3	16.8	7.3
			100	253.5	19.58	186.7	114.1	3.8	4.5	1.9	254.6	19.00	189.8	109.4	3.9	9.4	4.1	255.2	18.72	191.3	107.1	4.0	15.8	6.8
			120	245.1	25.41	158.4	133.6	2.8	4.3	1.8	245.9	24.67	161.7	129.1	2.9	8.9	3.8	246.3	24.30	163.4	126.8	3.0	14.9	6.5
	54	4.9 (11.3)	60	282.6	12.88	238.7	75.7	6.4	5.1	2.2	284.2	12.66	241.0	70.5	6.6	10.6	4.6	284.9	12.56	242.1	67.9	6.7	17.9	7.7
			80	270.5	15.45	217.8	95.0	5.1	4.8	2.1	272.0	15.04	220.7	90.1	5.3	10.0	4.3	272.8	14.84	222.2	87.6	5.4	16.8	7.3
			100	258.9	19.62	192.0	114.4	3.9	4.5	1.9	260.2	19.03	195.3	109.6	4.0	9.4	4.1	260.9	18.75	197.0	107.2	4.1	15.8	6.8
			120	249.1	25.43	162.3	133.8	2.9	4.3	1.8	250.1	24.67	165.9	129.3	3.0	8.9	3.8	250.6	24.30	167.7	127.0	3.0	14.9	6.5
	72	8.2 (18.9)	60	286.4	12.91	242.4	75.9	6.5	5.1	2.2	288.0	12.69	244.7	70.7	6.7	10.6	4.6	288.8	12.59	245.8	68.0	6.7	17.9	7.7
			80	274.0	15.48	221.2	95.2	5.2	4.8	2.1	275.6	15.06	224.2	90.2	5.4	9.9	4.3	276.4	14.86	225.7	87.7	5.5	16.8	7.3
			100	261.8	19.65	194.8	114.5	3.9	4.5	1.9	263.2	19.05	198.2	109.7	4.0	9.4	4.1	263.9	18.76	199.9	107.3	4.1	15.8	6.8
			120	251.2	25.43	164.4	134.0	2.9	4.3	1.8	252.3	24.67	168.1	129.3	3.0	8.9	3.8	252.9	24.30	170.0	127.0	3.1	14.9	6.5
70	36	2.2 (5.2)	60	344.6	13.37	299.0	79.1	7.6	5.0	2.2	346.1	13.08	301.5	72.8	7.8	10.6	4.6	346.8	12.94	302.6	69.6	7.9	17.8	7.7
			80	333.4	16.04	278.7	98.5	6.1	4.7	2.0	335.4	15.52	282.4	92.4	6.3	9.9	4.3	336.3	15.28	284.2	89.3	6.5	16.7	7.2
			100	319.6	20.19	250.8	117.8	4.6	4.5	1.9	321.8	19.47	255.4	111.9	4.8	9.3	4.0	322.9	19.13	257.6	109.0	4.9	15.7	6.8
			120								306.4	24.92	221.4	131.3	3.6	8.9	3.8	307.6	24.49	224.0	128.5	3.7	14.9	6.5
	54	4.6 (10.6)	60	355.3	13.44	309.4	79.7	7.8	5.0	2.2	356.8	13.13	312.0	73.2	8.0	10.6	4.6	357.5	12.99	313.2	69.9	8.1	17.8	7.7
			80	343.5	16.13	288.4	99.1	6.2	4.7	2.0	345.6	15.60	292.4	92.8	6.5	9.9	4.3	346.7	15.35	294.3	89.6	6.6	16.7	7.2
			100	328.3	20.28	259.1	118.2	4.7	4.5	1.9	330.8	19.55	264.1	112.3	5.0	9.3	4.0	332.0	19.19	266.5	109.2	5.1	15.7	6.8
			120								313.5	24.97	228.3	131.6	3.7	8.8	3.8	314.8	24.53	231.2	128.7	3.8	14.9	6.5
	72	7.7 (17.8)	60	361.0	13.47	315.0	80.1	7.9	5.0	2.2	362.6	13.16	317.7	73.4	8.1	10.6	4.6	363.3	13.02	318.9	70.1	8.2	17.8	7.7
			80	348.8	16.18	293.6	99.4	6.3	4.7	2.0	351.1	15.64	297.7	93.0	6.6	9.9	4.3	352.2	15.38	299.7	89.8	6.7	16.7	7.2
			100	332.9	20.32	263.5	118.5	4.8	4.5	1.9	335.5	19.58	268.7	112.4	5.0	9.3	4.0	336.9	19.22	271.3	109.4	5.1	15.7	6.8
			120								317.3	25.00	232.0	131.8	3.7	8.8	3.8	318.7	24.55	235.0	128.9	3.8	14.9	6.5
90	36	2.1 (4.9)	60	423.2	13.81	376.1	83.5	9.0	5.0	2.2	424.4	13.39	378.7	75.7	9.3	10.5	4.6	424.9	13.20	379.9	71.8	9.4	17.8	7.7
			80	412.7	16.74	355.6	102.9	7.2	4.7	2.0	415.2	16.07	360.4	95.4	7.6	9.9	4.3	416.4	15.76	362.6	91.6	7.7	16.7	7.2
			100	396.1	21.02	324.4	122.0	5.5	4.4	1.9	399.6	20.13	330.9	114.8	5.8	9.3	4.0	401.3	19.69	334.1	111.1	6.0	15.7	6.8
			120								378.6	25.55	291.4	134.0	4.3	8.8	3.8	380.6	25.01	295.3	130.6	4.5	14.9	6.4
	54	4.3 (10.0)	60	438.4	13.88	391.1	84.4	9.3	5.0	2.2	439.7	13.43	393.9	76.3	9.6	10.5	4.5	440.2	13.23	395.1	72.2	9.8	17.8	7.7
			80	427.2	16.87	369.6	103.7	7.4	4.7	2.0	430.0	16.17	374.9	95.9	7.8	9.9	4.3	431.4	15.83	377.3	92.0	8.0	16.7	7.2
			100	408.9	21.17	336.7	122.7	5.7	4.4	1.9	412.9	20.25	343.8	115.3	6.0	9.3	4.0	414.8	19.80	347.3	111.5	6.1	15.7	6.8
			120																					
	72	7.2 (16.7)	60	446.6	13.91	399.2	84.8	9.4	5.0	2.2	447.9	13.45	402.0	76.6	9.8	10.5	4.5	448.4	13.24	403.3	72.5	9.9	17.8	7.7
			80	435.0	16.94	377.2	104.2	7.5	4.7	2.0	438.0	16.22	382.7	96.2	7.9	9.9	4.3	439.4	15.88	385.3	92.2	8.1	16.6	7.2
			100																					
			120																					

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

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Capacity Data

WW360 – Full Load – Cooling

Cooling																								
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	45 GPM							67.5 GPM							90 GPM						
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	45	2.0 (4.6)	50	276.8	12.35	319.0	37.7	22.4	4.9	2.1	284.8	12.43	327.2	41.6	22.9	10.1	4.4	289.0	12.47	331.5	43.6	23.2	16.9	7.3
			60	315.9	12.72	359.3	46.0	24.8	4.7	2.1	325.9	12.82	369.6	50.3	25.4	9.8	4.2	331.2	12.87	375.1	52.6	25.7	16.3	7.1
			70	358.6	13.14	403.4	54.1	27.3	4.6	2.0	371.0	13.26	416.2	59.0	28.0	9.5	4.1	377.6	13.33	423.1	61.6	28.3	15.8	6.8
			80	405.0	13.60	451.4	62.0	29.8	4.5	1.9	420.1	13.75	467.1	67.6	30.5	9.2	4.0	428.3	13.84	475.5	70.5	31.0	15.3	6.6
			90																					
	67.5	4.2 (9.7)	50	279.4	12.04	320.5	37.6	23.2	4.9	2.1	287.5	12.11	328.8	41.5	23.7	10.1	4.4	291.8	12.15	333.3	43.5	24.0	16.9	7.3
			60	319.1	12.38	361.4	45.8	25.8	4.7	2.1	329.4	12.47	372.0	50.2	26.4	9.8	4.2	334.9	12.52	377.6	52.6	26.8	16.3	7.1
			70	362.7	12.76	406.2	53.9	28.4	4.6	2.0	375.5	12.87	419.4	58.9	29.2	9.5	4.1	382.4	12.93	426.5	61.5	29.6	15.8	6.9
			80	410.2	13.17	455.1	61.8	31.1	4.5	1.9	426.0	13.31	471.4	67.4	32.0	9.2	4.0							
			90																					
	90	7.1 (16.4)	50	280.6	11.89	321.2	37.5	23.6	4.9	2.1	288.9	11.96	329.7	41.4	24.2	10.1	4.4	293.3	12.00	334.2	43.5	24.5	16.9	7.3
			60	320.8	12.21	362.4	45.7	26.3	4.7	2.1	331.2	12.30	373.2	50.2	26.9	9.8	4.2	336.8	12.34	378.9	52.5	27.3	16.3	7.1
			70	364.8	12.57	407.7	53.8	29.0	4.6	2.0	377.8	12.67	421.1	58.8	29.8	9.5	4.1	384.8	12.73	428.3	61.4	30.2	15.8	6.9
			80	412.8	12.96	457.0	61.7	31.9	4.5	1.9														
			90																					
70	45	1.9 (4.4)	50	255.2	15.33	307.5	38.7	16.6	4.9	2.1	261.9	15.40	314.5	42.2	17.0	10.1	4.4	265.5	15.44	318.2	44.1	17.2	16.9	7.3
			60	291.4	15.70	345.0	47.0	18.6	4.7	2.1	299.9	15.79	353.8	51.1	19.0	9.8	4.2	304.4	15.84	358.5	53.2	19.2	16.3	7.1
			70	331.0	16.12	386.0	55.3	20.5	4.6	2.0	341.5	16.23	396.9	59.9	21.0	9.5	4.1	347.1	16.29	402.7	62.3	21.3	15.8	6.8
			80	373.8	16.58	430.4	63.4	22.5	4.5	1.9	386.7	16.72	443.8	68.5	23.1	9.2	4.0	393.7	16.80	451.0	71.3	23.4	15.3	6.6
			90	420.1	17.10	478.4	71.3	24.6	4.3	1.9	435.8	17.28	494.7	77.1	25.2	8.9	3.9	444.2	17.38	503.5	80.1	25.6	14.9	6.4
	67.5	3.9 (9.1)	50	257.7	14.95	308.7	38.5	17.2	4.9	2.1	264.7	15.01	315.9	42.2	17.6	10.1	4.4	268.4	15.04	319.7	44.0	17.8	16.9	7.3
			60	294.6	15.27	346.7	46.9	19.3	4.7	2.1	303.4	15.35	355.8	51.0	19.8	9.8	4.2	308.1	15.39	360.6	53.2	20.0	16.3	7.1
			70	335.0	15.64	388.4	55.1	21.4	4.6	2.0	345.9	15.74	399.6	59.8	22.0	9.5	4.1	351.7	15.79	405.6	62.2	22.3	15.8	6.8
			80	378.9	16.05	433.6	63.2	23.6	4.5	1.9	392.3	16.17	447.5	68.4	24.3	9.2	4.0	399.5	16.24	455.0	71.1	24.6	15.3	6.6
			90	426.4	16.50	482.7	71.0	25.8	4.3	1.9	442.8	16.67	499.7	76.9	26.6	8.9	3.9	451.6	16.76	508.8	80.0	27.0	14.9	6.4
	90	6.7 (15.4)	50	259.0	14.76	309.3	38.5	17.5	4.9	2.1	266.0	14.82	316.6	42.1	18.0	10.1	4.4	269.8	14.85	320.4	44.0	18.2	16.9	7.3
			60	296.2	15.06	347.6	46.8	19.7	4.7	2.1	305.1	15.13	356.8	51.0	20.2	9.8	4.2	309.9	15.17	361.7	53.1	20.4	16.3	7.1
			70	337.0	15.40	389.6	55.0	21.9	4.6	2.0	348.1	15.50	401.0	59.7	22.5	9.5	4.1	354.1	15.55	407.1	62.1	22.8	15.8	6.8
			80	381.4	15.78	435.3	63.0	24.2	4.5	1.9	395.2	15.90	449.4	68.3	24.8	9.2	4.0	402.5	15.97	457.0	71.1	25.2	15.3	6.6
			90	429.6	16.21	484.9	70.9	26.5	4.3	1.9	446.3	16.37	502.2	76.8	27.3	8.9	3.9	455.4	16.45	511.5	79.9	27.7	14.9	6.4
90	45	1.8 (4.1)	50	231.7	19.26	297.4	39.7	12.0	4.9	2.1	237.4	19.32	303.3	43.0	12.3	10.1	4.4	240.4	19.35	306.4	44.7	12.4	16.9	7.3
			60	265.2	19.62	332.2	48.2	13.5	4.7	2.0	272.4	19.70	339.6	51.9	13.8	9.7	4.2	276.1	19.74	343.5	53.9	14.0	16.3	7.1
			70	301.7	20.03	370.0	56.6	15.1	4.6	2.0	310.5	20.13	379.2	60.8	15.4	9.4	4.1	315.1	20.19	384.0	63.0	15.6	15.8	6.8
			80	341.1	20.50	411.0	64.8	16.6	4.4	1.9	351.9	20.63	422.2	69.6	17.1	9.2	4.0	357.6	20.70	428.2	72.1	17.3	15.3	6.6
			90	383.5	21.02	455.3	73.0	18.2	4.3	1.9	396.6	21.19	468.9	78.2	18.7	8.9	3.8							
	67.5	3.7 (8.6)	50	234.4	18.77	298.4	39.6	12.5	4.9	2.1	240.3	18.82	304.5	42.9	12.8	10.1	4.4	243.4	18.85	307.7	44.6	12.9	16.9	7.3
			60	268.6	19.07	333.7	48.1	14.1	4.7	2.0	276.0	19.14	341.3	51.8	14.4	9.7	4.2	279.9	19.18	345.3	53.8	14.6	16.3	7.1
			70	305.9	19.42	372.2	56.4	15.7	4.6	2.0	315.0	19.51	381.6	60.7	16.1	9.4	4.1	319.9	19.56	386.6	62.9	16.4	15.8	6.8
			80	346.3	19.82	413.9	64.6	17.5	4.4	1.9	357.5	19.94	425.6	69.4	17.9	9.2	4.0	363.5	20.00	431.8	71.9	18.2	15.3	6.6
			90	389.9	20.28	459.1	72.7	19.2	4.3	1.9	403.6	20.43	473.3	78.0	19.8	8.9	3.8							
	90	6.3 (14.4)	50	235.8	18.53	299.0	39.5	12.7	4.9	2.1	241.7	18.57	305.1	42.8	13.0	10.1	4.4	244.9	18.60	308.3	44.6	13.2	16.9	7.3
			60	270.3	18.81	334.5	48.0	14.4	4.7	2.0	277.8	18.87	342.2	51.8	14.7	9.7	4.2	281.8	18.90	346.3	53.7	14.9	16.3	7.1
			70	308.0	19.13	373.3	56.3	16.1	4.6	2.0	317.3	19.21	382.9	60.6	16.5	9.4	4.1	322.3	19.25	387.9	62.8	16.7	15.8	6.8
			80	348.9	19.49	415.4	64.5	17.9	4.4	1.9	360.4	19.60	427.3	69.3	18.4	9.2	4.0	366.5	19.66	433.6	71.9	18.6	15.3	6.6
			90	393.2	19.91	461.1	72.5	19.7	4.3	1.9	407.2	20.05	475.6	77.9	20.3	8.9	3.8							
110	45	1.7 (3.9)	50	204.4	24.40	287.7	40.9	8.4	4.9	2.1	209.1	24.45	292.5	43.8	8.5	10.1	4.4	211.5	24.48	295.0	45.3	8.6	16.8	7.3
			60	235.4	24.75	319.9	49.5	9.5	4.7	2.0	241.2	24.82	325.9	52.9	9.7	9.7	4.2	244.3	24.86	329.1	54.6	9.8	16.3	7.0
			70	268.9	25.16	354.7	58.0	10.7	4.6	2.0	276.0	25.25	362.2	61.8	10.9	9.4	4.1	279.8	25.30	366.1	63.8	11.1	15.8	6.8
			80	304.9	25.62	392.3	66.4	11.9	4.4	1.9	313.6	25.74	401.5	70.7	12.2	9.1	4.0	318.3	25.80	406.3	72.9	12.3	15.3	6.6
			90	343.6	26.15	432.8	74.7	13.1	4.3	1.9														
	67.5	3.5 (8.1)	50	207.6	23.79	288.7	40.8	8.7	4.9	2.1	212.4	23.83	293.7	43.7	8.9	10.1	4.4	214.9	23.85	296.3	45.2	9.0	16.8	7.3
			60	239.2	24.07	321.4	49.4	9.9	4.7	2.0	245.3	24.13	327.6	52.7	10.2	9.7	4.2	248.4	24.16	330.9	54.5	10.3	16.3	7.1
			70	273.5	24.40	356.7	57.8	11.2	4.6	2.0	281.0	24.48	364.5	61.7	11.5	9.4	4.1	284.9	24.52	368.5	63.7	11.6	15.8	6.8
			80	310.5	24.79	395.0	66.2	12.5	4.4	1.9	319.7	24.89	404.6	70.5	12.8	9.1	4.0	324.5	24.94	409.6	72.8	13.0	15.3	6.6
			90	350.3	25.23	436.4	74.4	13.9	4.3	1.9														
	90	5.9 (13.6)	50	209.1	23.48	289.2	40.7	8.9	4.9	2.1	214.0	23.52	294.3	43.7	9.1	10.1	4.4	216.6	23.54	296.9	45.2	9.2	16.8	7.3
			60	241.1	23.73	322.1	49.3	10.2	4.7	2.0	247.3	23.78	328.4	52.7	10.4	9.7	4.2	250.5	23.81	331.7	54.4	10.5	16.3	7.1
			70	275.8	24.03	357.8	57.7	11.5	4.6	2.0	283.4	24.10	365.6	61.6	11.8	9.4	4.1	287.4	24.13	369.8	63.6	11.9	15.8	6.8
			80	313.3	24.38	396.4	66.1	12.9	4.4	1.9	322.7	24.47	406.1	70.4	13.2	9.1	4.0	327.6	24.52	411.3	72.7	13.4	15.3	6.6
			90	353.7	24.78	438.3	74.3	14.3	4.3	1.9														

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data

WW360 – Full Load – Heating

Heating																									
				45 GPM							67.5 GPM							90 GPM							
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	45	2.3 (5.2)	60																					
			80	239.0	16.54	182.6	90.6	4.2	4.3	1.8	239.5	16.19	184.3	87.1	4.3	8.9	3.9	239.8	16.02	185.1	85.3	4.4	15.0	6.5
			100	233.2	21.07	161.3	110.4	3.2	4.0	1.7	233.7	20.63	163.3	106.9	3.3	8.4	3.6	233.9	20.41	164.3	105.2	3.4	14.1	6.1
			120	227.0	26.97	134.9	130.1	2.5	3.8	1.6	227.5	26.41	137.4	126.7	2.5	7.9	3.4	227.8	26.14	138.6	125.1	2.6	13.3	5.8
	67.5	4.7 (10.8)	60	250.1	13.14	205.3	71.1	5.6	4.5	2.0	250.8	12.87	206.9	67.4	5.7	9.5	4.1	251.2	12.73	207.8	65.6	5.8	16.0	6.9
			80	243.0	16.58	186.4	90.8	4.3	4.3	1.8	243.6	16.23	188.2	87.2	4.4	8.9	3.9	243.9	16.05	189.1	85.4	4.5	15.0	6.5
			100	236.5	21.10	164.5	110.5	3.3	4.0	1.7	237.1	20.65	166.6	107.0	3.4	8.4	3.6	237.4	20.43	167.7	105.3	3.4	14.1	6.1
			120	229.6	26.99	137.5	130.2	2.5	3.8	1.6	230.2	26.43	140.1	126.8	2.6	7.9	3.4	230.6	26.15	141.3	125.1	2.6	13.3	5.8
	90	7.8 (18.0)	60	252.5	13.16	207.6	71.2	5.6	4.5	2.0	253.3	12.89	209.3	67.5	5.8	9.5	4.1	253.7	12.75	210.2	65.6	5.8	16.0	6.9
			80	245.1	16.60	188.5	90.9	4.3	4.3	1.8	245.7	16.24	190.3	87.3	4.4	8.9	3.9	246.0	16.07	191.2	85.5	4.5	15.0	6.5
			100	238.2	21.12	166.2	110.6	3.3	4.0	1.7	238.9	20.67	168.3	107.1	3.4	8.4	3.6	239.2	20.44	169.4	105.3	3.4	14.1	6.1
			120	231.0	27.01	138.8	130.3	2.5	3.8	1.6	231.7	26.44	141.4	126.9	2.6	7.9	3.4	232.0	26.16	142.7	125.2	2.6	13.3	5.8
50	45	2.1 (4.9)	60	313.0	13.74	266.1	73.9	6.7	4.5	2.0	314.3	13.40	268.6	69.3	6.9	9.5	4.1	315.0	13.23	269.9	67.0	7.0	15.9	6.9
			80	302.3	17.16	243.8	93.4	5.2	4.2	1.8	303.4	16.72	246.4	89.0	5.3	8.9	3.8	304.0	16.51	247.7	86.8	5.4	14.9	6.5
			100	292.5	21.66	218.6	113.0	4.0	4.0	1.7	293.6	21.11	221.5	108.7	4.1	8.4	3.6	294.1	20.84	223.0	106.5	4.1	14.1	6.1
			120	282.7	27.52	188.8	132.6	3.0	3.8	1.6	283.7	26.83	192.2	128.4	3.1	7.9	3.4	284.3	26.49	193.9	126.3	3.1	13.3	5.8
	67.5	4.4 (10.1)	60	320.6	13.81	273.5	74.2	6.8	4.5	2.0	322.1	13.46	276.2	69.5	7.0	9.5	4.1	322.9	13.29	277.5	67.2	7.1	15.9	6.9
			80	308.8	17.22	250.0	93.7	5.3	4.2	1.8	310.0	16.78	252.8	89.2	5.4	8.9	3.8	310.7	16.56	254.2	86.9	5.5	14.9	6.5
			100	297.9	21.72	223.8	113.2	4.0	4.0	1.7	299.1	21.16	226.9	108.9	4.1	8.4	3.6	299.7	20.88	228.4	106.7	4.2	14.1	6.1
			120	286.9	27.57	192.9	132.8	3.1	3.8	1.6	288.2	26.87	196.5	128.5	3.1	7.9	3.4	288.8	26.53	198.2	126.4	3.2	13.3	5.8
	90	7.3 (16.8)	60	324.6	13.85	277.3	74.4	6.9	4.5	2.0	326.2	13.50	280.2	69.7	7.1	9.5	4.1	327.0	13.33	281.6	67.3	7.2	15.9	6.9
			80	312.2	17.26	253.3	93.9	5.3	4.2	1.8	313.5	16.81	256.2	89.3	5.5	8.9	3.8	314.2	16.59	257.6	87.0	5.6	14.9	6.5
			100	300.7	21.74	226.5	113.4	4.1	4.0	1.7	302.0	21.18	229.7	108.9	4.2	8.3	3.6	302.6	20.90	231.3	106.7	4.2	14.1	6.1
			120	289.2	27.59	195.0	132.9	3.1	3.8	1.6	290.5	26.89	198.7	128.6	3.2	7.9	3.4	291.1	26.54	200.5	126.5	3.2	13.3	5.8
70	45	2.0 (4.6)	60	394.4	14.53	344.9	77.5	8.0	4.5	1.9	397.0	14.10	348.9	71.8	8.3	9.4	4.1	398.3	13.89	351.0	68.9	8.4	15.9	6.9
			80	377.9	17.94	316.7	96.8	6.2	4.2	1.8	380.1	17.40	320.7	91.3	6.4	8.8	3.8	381.3	17.13	322.8	88.5	6.5	14.9	6.5
			100	362.4	22.43	285.8	116.1	4.7	4.0	1.7	364.4	21.75	290.2	110.8	4.9	8.3	3.6	365.5	21.41	292.4	108.1	5.0	14.0	6.1
			120	347.0	28.26	250.6	135.4	3.6	3.8	1.6	349.0	27.42	255.5	130.3	3.7	7.9	3.4	350.0	27.01	257.9	127.8	3.8	13.3	5.7
	67.5	4.1 (9.4)	60	406.3	14.64	356.3	78.1	8.1	4.5	1.9	409.2	14.21	360.8	72.1	8.4	9.4	4.1	410.7	13.99	363.0	69.1	8.6	15.9	6.9
			80	387.9	18.05	326.3	97.2	6.3	4.2	1.8	390.4	17.49	330.8	91.6	6.5	8.8	3.8	391.7	17.22	333.0	88.7	6.7	14.9	6.4
			100	370.7	22.52	293.8	116.5	4.8	4.0	1.7	373.0	21.83	298.5	111.1	5.0	8.3	3.6	374.2	21.49	300.9	108.3	5.1	14.0	6.1
			120	353.6	28.34	256.9	135.7	3.7	3.8	1.6	355.9	27.49	262.1	130.5	3.8	7.9	3.4	357.0	27.07	264.7	127.9	3.9	13.3	5.7
	90	6.8 (15.8)	60	412.6	14.71	362.4	78.3	8.2	4.5	1.9	415.8	14.26	367.1	72.3	8.5	9.4	4.1	417.4	14.04	369.5	69.3	8.7	15.9	6.9
			80	393.2	18.10	331.4	97.5	6.4	4.2	1.8	395.9	17.54	336.1	91.7	6.6	8.8	3.8	397.3	17.27	338.4	88.8	6.7	14.9	6.4
			100	375.0	22.57	298.0	116.7	4.9	4.0	1.7	377.5	21.87	302.9	111.2	5.1	8.3	3.6	378.8	21.53	305.3	108.4	5.2	14.0	6.1
			120	357.1	28.39	260.3	135.9	3.7	3.8	1.6	359.5	27.53	265.6	130.7	3.8	7.9	3.4	360.7	27.10	268.3	128.0	3.9	13.3	5.7
90	45	1.9 (4.3)	60	490.6	15.51	437.7	81.8	9.3	4.5	1.9	495.1	14.97	444.0	74.7	9.7	9.4	4.1	497.5	14.71	447.3	71.1	9.9	15.8	6.9
			80	466.7	18.93	402.1	100.7	7.2	4.2	1.8	470.8	18.26	408.5	93.9	7.6	8.8	3.8	472.8	17.94	411.6	90.5	7.7	14.9	6.4
			100	444.0	23.42	364.1	119.7	5.6	4.0	1.7	447.7	22.59	370.7	113.3	5.8	8.3	3.6	449.6	22.18	373.9	110.0	5.9	14.0	6.1
			120								425.1	28.23	328.8	132.6	4.4	7.9	3.4	426.9	27.73	332.3	129.5	4.5	13.3	5.7
	67.5	3.8 (8.9)	60	508.2	15.69	454.7	82.6	9.5	4.5	1.9	513.5	15.14	461.8	75.2	9.9	9.4	4.1	516.2	14.87	465.5	71.5	10.2	15.8	6.9
			80	481.6	19.10	416.5	101.4	7.4	4.2	1.8	486.3	18.42	423.5	94.4	7.7	8.8	3.8	488.7	18.08	427.0	90.9	7.9	14.8	6.4
			100	456.4	23.58	375.9	120.3	5.7	4.0	1.7	460.6	22.73	383.1	113.6	5.9	8.3	3.6	462.8	22.31	386.7	110.3	6.1	14.0	6.1
			120																					
	90	6.4 (14.8)	60	517.8	15.79	463.9	83.0	9.6	4.5	1.9	523.4	15.23	471.5	75.5	10.1	9.4	4.1							
			80	489.7	19.20	424.2	101.8	7.5	4.2	1.8	494.7	18.50	431.5	94.7	7.8	8.8	3.8	497.2	18.16	435.3	91.0	8.0	14.8	6.4
			100																					
			120																					

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

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Capacity Data

WW420 – Full Load – Cooling

Cooling																									
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	45 GPM							67.5 GPM							90 GPM							
				Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)	Cooling Capacity (MBH)	Power, kW	Loop Rej/Add, MBH	Lvg Water Temp	EER	Pressure Drop (FOH)	Pressure Drop (PSI)
50	45	2.0 (4.6)	50	347.3	17.58	407.3	34.6	19.8	4.9	2.1	360.9	17.80	421.6	39.3	20.3	10.1	4.4	368.2	17.93	429.4	41.8	20.5	16.9	7.3
			60	399.8	18.51	463.0	42.2	21.6	4.8	2.1	417.0	18.84	481.3	47.6	22.1	9.8	4.3	426.3	19.03	491.3	50.5	22.4	16.4	7.1
			70	457.2	19.69	524.3	49.7	23.2	4.6	2.0	478.6	20.17	547.4	55.8	23.7	9.5	4.1	490.4	20.45	560.1	59.1	24.0	15.9	6.9
			80	519.4	21.15	591.5	56.9	24.6	4.5	1.9	545.8	21.82	620.3	63.8	25.0	9.2	4.0	560.4	22.21	636.2	67.5	25.2	15.4	6.7
			90	586.5	22.91	664.7	63.9	25.6	4.4	1.9	618.6	23.82	699.9	71.7	26.0	9.0	3.9							
	67.5	4.2 (9.7)	50	351.2	17.20	409.9	34.4	20.4	4.9	2.1	365.2	17.43	424.7	39.2	20.9	10.1	4.4	372.8	17.56	432.7	41.7	21.2	16.9	7.3
			60	404.7	18.15	466.7	42.0	22.3	4.8	2.1	422.5	18.50	485.6	47.5	22.8	9.8	4.3	432.2	18.71	496.0	50.4	23.1	16.4	7.1
			70	463.3	19.38	529.4	49.4	23.9	4.6	2.0	485.6	19.90	553.5	55.6	24.4	9.5	4.1	497.9	20.19	566.8	58.9	24.7	15.9	6.9
			80	527.1	20.92	598.5	56.6	25.2	4.5	2.0	554.7	21.65	628.5	63.6	25.6	9.2	4.0	570.0	22.06	645.3	67.3	25.8	15.4	6.7
			90																					
	90	7.1 (16.4)	50	353.2	17.03	411.3	34.3	20.7	4.9	2.1	367.4	17.26	426.3	39.1	21.3	10.1	4.4	375.0	17.40	434.4	41.7	21.6	16.9	7.3
			60	407.2	17.99	468.6	41.9	22.6	4.8	2.1	425.3	18.36	487.9	47.4	23.2	9.8	4.3	435.1	18.57	498.5	50.3	23.4	16.4	7.1
			70	466.4	19.26	532.1	49.3	24.2	4.6	2.0	489.1	19.79	556.7	55.5	24.7	9.5	4.1	501.7	20.10	570.3	58.9	25.0	15.9	6.9
			80	530.9	20.85	602.1	56.4	25.5	4.5	2.0	559.1	21.61	632.9	63.4	25.9	9.2	4.0	574.8	22.05	650.0	67.2	26.1	15.4	6.7
			90																					
70	45	1.9 (4.3)	50	320.3	21.10	392.3	35.8	15.2	4.9	2.1	332.1	21.23	404.5	40.2	15.6	10.1	4.4	338.4	21.31	411.1	42.5	15.9	16.9	7.3
			60	369.7	21.72	443.8	43.6	17.0	4.8	2.1	384.6	21.93	459.4	48.6	17.5	9.8	4.2	392.6	22.05	467.8	51.3	17.8	16.4	7.1
			70	423.6	22.54	500.5	51.2	18.8	4.6	2.0	442.2	22.86	520.2	56.9	19.3	9.5	4.1	452.3	23.04	531.0	59.9	19.6	15.9	6.9
			80	482.1	23.60	562.6	58.6	20.4	4.5	1.9	505.0	24.07	587.2	65.0	21.0	9.2	4.0	517.7	24.33	600.7	68.5	21.3	15.4	6.7
			90	545.2	24.93	630.2	65.8	21.9	4.4	1.9	573.2	25.58	660.5	73.0	22.4	9.0	3.9							
	67.5	3.9 (9.1)	50	324.4	20.47	394.3	35.6	15.8	4.9	2.1	336.6	20.60	406.9	40.0	16.3	10.1	4.4	343.1	20.67	413.6	42.4	16.6	16.9	7.3
			60	374.9	21.05	446.7	43.3	17.8	4.8	2.1	390.3	21.26	462.9	48.4	18.4	9.8	4.2	398.7	21.38	471.7	51.1	18.7	16.4	7.1
			70	430.1	21.85	504.7	50.9	19.7	4.6	2.0	449.6	22.17	525.2	56.7	20.3	9.5	4.1	460.2	22.35	536.5	59.8	20.6	15.9	6.9
			80	490.2	22.89	568.4	58.2	21.4	4.5	1.9	514.4	23.37	594.1	64.8	22.0	9.2	4.0	527.7	23.64	608.4	68.3	22.3	15.4	6.7
			90	555.3	24.23	638.0	65.3	22.9	4.4	1.9	584.9	24.90	669.9	72.7	23.5	9.0	3.9	601.4	25.30	687.7	76.6	23.8	14.9	6.5
	90	6.6 (15.3)	50	326.5	20.17	395.3	35.5	16.2	4.9	2.1	338.8	20.30	408.1	40.0	16.7	10.1	4.4	345.5	20.37	415.0	42.3	17.0	16.9	7.3
			60	377.5	20.74	448.2	43.2	18.2	4.8	2.1	393.2	20.94	464.7	48.3	18.8	9.8	4.2	401.8	21.06	473.7	51.1	19.1	16.4	7.1
			70	433.4	21.52	506.8	50.7	20.1	4.6	2.0	453.3	21.84	527.8	56.6	20.7	9.5	4.1	464.1	22.03	539.3	59.7	21.1	15.9	6.9
			80	494.3	22.57	571.3	58.0	21.9	4.5	1.9	519.1	23.06	597.7	64.6	22.5	9.2	4.0	532.7	23.33	612.3	68.2	22.8	15.4	6.7
			90	560.4	23.93	642.0	65.1	23.4	4.4	1.9	590.8	24.62	674.8	72.5	24.0	9.0	3.9	607.7	25.02	693.1	76.5	24.3	14.9	6.5
90	45	1.8 (4.1)	50	290.5	26.35	380.4	37.1	11.0	4.9	2.1	300.3	26.46	390.5	41.1	11.4	10.1	4.4	305.5	26.51	396.0	43.2	11.5	16.9	7.3
			60	336.1	26.87	427.7	45.1	12.5	4.8	2.1	348.5	27.02	440.7	49.7	12.9	9.8	4.2	355.2	27.10	447.7	52.1	13.1	16.4	7.1
			70	385.9	27.51	479.8	52.8	14.0	4.6	2.0	401.6	27.74	496.2	58.1	14.5	9.5	4.1	410.0	27.87	505.1	60.9	14.7	15.8	6.9
			80	440.1	28.34	536.8	60.4	15.5	4.5	1.9	459.5	28.68	557.3	66.4	16.0	9.2	4.0	470.1	28.86	568.6	69.6	16.3	15.4	6.6
			90	498.7	29.40	599.0	67.8	17.0	4.4	1.9	522.4	29.87	624.3	74.5	17.5	8.9	3.9							
	67.5	3.7 (8.5)	50	294.9	25.50	382.0	36.9	11.6	4.9	2.1	305.1	25.59	392.4	41.0	11.9	10.1	4.4	310.6	25.64	398.0	43.1	12.1	16.9	7.3
			60	341.7	25.92	430.1	44.8	13.2	4.8	2.1	354.7	26.05	443.6	49.5	13.6	9.8	4.2	361.8	26.12	450.9	52.0	13.8	16.4	7.1
			70	393.0	26.47	483.3	52.5	14.8	4.6	2.0	409.4	26.67	500.5	57.9	15.4	9.5	4.1	418.4	26.79	509.8	60.7	15.6	15.8	6.9
			80	448.9	27.21	541.8	60.0	16.5	4.5	1.9	469.4	27.52	563.3	66.1	17.1	9.2	4.0	480.7	27.70	575.2	69.3	17.4	15.4	6.7
			90	509.6	28.18	605.7	67.4	18.1	4.4	1.9	534.8	28.64	632.5	74.2	18.7	8.9	3.9							
	90	6.2 (14.4)	50	297.1	25.09	382.7	36.8	11.8	4.9	2.1	307.5	25.17	393.4	40.9	12.2	10.1	4.4	313.1	25.21	399.1	43.0	12.4	16.9	7.3
			60	344.5	25.46	431.4	44.7	13.5	4.8	2.1	357.8	25.58	445.1	49.4	14.0	9.8	4.2	365.0	25.65	452.5	51.9	14.2	16.4	7.1
			70	396.5	25.97	485.1	52.4	15.3	4.6	2.0	413.4	26.16	502.6	57.8	15.8	9.5	4.1	422.6	26.27	512.2	60.6	16.1	15.8	6.9
			80	453.3	26.67	544.3	59.9	17.0	4.5	1.9	474.4	26.97	566.4	65.9	17.6	9.2	4.0	486.0	27.15	578.6	69.2	17.9	15.4	6.7
			90	515.0	27.61	609.2	67.1	18.6	4.4	1.9	541.0	28.07	636.8	74.0	19.3	8.9	3.9							
110	45	1.7 (3.9)	50	257.0	33.26	370.5	38.6	7.7	4.9	2.1	264.7	33.38	378.6	42.2	7.9	10.1	4.4	268.9	33.44	383.0	44.0	8.0	16.9	7.3
			60	298.2	33.88	413.7	46.7	8.8	4.7	2.1	308.1	34.02	424.2	50.9	9.1	9.8	4.2	313.4	34.10	429.8	53.0	9.2	16.3	7.1
			70	343.3	34.54	461.2	54.7	9.9	4.6	2.0	355.9	34.73	474.4	59.5	10.2	9.5	4.1	362.7	34.84	481.5	61.9	10.4	15.8	6.8
			80	392.6	35.32	513.1	62.6	11.1	4.5	1.9	408.3	35.59	529.7	67.9	11.5	9.2	4.0	416.8	35.74	538.7	70.7	11.7	15.3	6.6
			90	446.0	36.26	569.8	70.2	12.3	4.3	1.9														
	67.5	3.5 (8.1)	50	261.8	32.21	371.8	38.4	8.1	4.9	2.1	270.0	32.31	380.2	42.0	8.4	10.1	4.4	274.3	32.35	384.7	43.9	8.5	16.9	7.3
			60	304.3	32.68	415.8	46.5	9.3	4.7	2.1	314.8	32.79	426.7	50.7	9.6	9.8	4.2	320.5	32.85	432.5	52.9	9.8	16.3	7.1
			70	351.0	33.19	464.3	54.4	10.6	4.6	2.0	364.4	33.34	478.2	59.2	10.9	9.5	4.1	371.6	33.43	485.7	61.7	11.1	15.8	6.8
			80	402.2	33.81	517.5	62.1	11.9	4.5	1.9	418.9	34.04	535.1	67.6	12.3	9.2	4.0	428.0	34.17	544.6	70.5	12.5	15.3	6.6
			90	457.8	34.60	575.8	69.7	13.2	4.3	1.9														
	90	5.9 (13.6)	50	264.3	31.70	372.4	38.3	8.3	4.9	2.1	272.6	31.78	381.0	41.9	8.6	10.1	4.4	277.1	31.82	385.6	43.8	8.7	16.9	7.3
			60	307.4	32.09	416.9	46.3	9.6	4.7	2.1	318.2	32.19	428.0	50.6	9.9	9.8	4.2	324.0	32.24	434.0	52.8	10.0	16.3	7.1
			70	354.9	32.53	465.9	54.2	10.9	4.6	2.0	368.6	32.67	480.1	59.1	11.3	9.5	4.1	376.1	32.74	487.8	61.6	11.5	15.8	6.8
			80	406.9	33.08	519.8	61.9	12.3	4.5	1.9	424.2	33.29	537.8	67.4	12.7	9.2	4.0	433.6	33.40	547.6	70.4	13.0	15.3	6.6
			90	463.6	33.80	579.0	69.4	13.7	4.3	1.9														

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

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Capacity Data

WW420 – Full Load – Heating

Heating																									
				45 GPM							67.5 GPM							90 GPM							
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop PSI (FOH)	EWT	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (PSI)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of water)	Pressure Drop (psi)	Heating Capacity, MBH	Power, kW	Heat Absorb, MBH	Lvg Water Temp	COP	Pressure Drop (ft of Water)	Pressure Drop (psi)
30	45	2.3 (5.2)	60																					
			80																					
			100																					
			120	293.2	35.58	171.8	133.0	2.4	3.8	1.6	293.6	34.77	175.0	128.7	2.5	7.9	3.4	293.7	34.36	176.5	126.5	2.5	13.3	5.8
	67.5	4.7 (10.8)	60																					
			80	307.7	22.78	229.9	93.7	4.0	4.2	1.8	308.4	22.19	232.7	89.1	4.1	8.9	3.8	308.8	21.90	234.1	86.9	4.1	14.9	6.5
			100	302.0	28.65	204.3	113.4	3.1	4.0	1.7	302.6	27.93	207.3	109.0	3.2	8.3	3.6	302.9	27.58	208.8	106.7	3.2	14.1	6.1
			120	297.6	35.71	175.8	133.2	2.4	3.8	1.6	298.1	34.88	179.1	128.8	2.5	7.9	3.4	298.3	34.47	180.7	126.6	2.5	13.3	5.8
	90	7.8 (18.1)	60	319.8	18.25	257.5	74.2	5.1	4.5	2.0	321.0	17.80	260.3	69.5	5.3	9.5	4.1	321.7	17.58	261.7	67.1	5.4	15.9	6.9
			80	311.1	22.82	233.3	93.8	4.0	4.2	1.8	312.0	22.22	236.2	89.2	4.1	8.9	3.8	312.4	21.93	237.6	86.9	4.2	14.9	6.5
			100	304.9	28.70	207.0	113.6	3.1	4.0	1.7	305.5	27.97	210.1	109.1	3.2	8.3	3.6	305.8	27.61	211.6	106.8	3.2	14.1	6.1
			120	299.9	35.78	177.8	133.3	2.5	3.8	1.6	300.4	34.94	181.2	128.9	2.5	7.9	3.4	300.7	34.52	182.9	126.7	2.6	13.3	5.8
50	45	2.1 (4.9)	60	399.4	19.12	334.1	77.7	6.1	4.5	1.9	401.6	18.61	338.1	71.9	6.3	9.4	4.1	402.8	18.37	340.1	69.0	6.4	15.9	6.9
			80	386.1	23.51	305.8	97.2	4.8	4.2	1.8	387.8	22.77	310.1	91.5	5.0	8.8	3.8	388.7	22.42	312.2	88.6	5.1	14.9	6.4
			100	375.3	29.60	274.3	116.7	3.7	4.0	1.7	376.7	28.65	278.9	111.2	3.9	8.3	3.6	377.4	28.19	281.2	108.4	3.9	14.0	6.1
			120	365.9	37.32	238.5	136.3	2.9	3.8	1.6	367.1	36.18	243.7	130.9	3.0	7.9	3.4	367.7	35.61	246.2	128.2	3.0	13.3	5.7
	67.5	4.4 (10.1)	60	412.6	19.29	346.8	78.3	6.3	4.5	1.9	415.3	18.78	351.2	72.3	6.5	9.4	4.1	416.7	18.54	353.4	69.3	6.6	15.9	6.9
			80	397.2	23.63	316.6	97.7	4.9	4.2	1.8	399.3	22.87	321.2	91.8	5.1	8.8	3.8	400.4	22.51	323.6	88.9	5.2	14.9	6.4
			100	384.4	29.71	283.0	117.1	3.8	4.0	1.7	386.1	28.74	288.1	111.4	3.9	8.3	3.6	387.0	28.26	290.6	108.6	4.0	14.0	6.1
			120	373.1	37.46	245.3	136.6	2.9	3.8	1.6	374.6	36.29	250.8	131.1	3.0	7.9	3.4	375.4	35.71	253.5	128.3	3.1	13.3	5.7
	90	7.3 (16.9)	60	419.8	19.39	353.6	78.7	6.3	4.5	1.9	422.7	18.88	358.2	72.5	6.6	9.4	4.1	424.2	18.64	360.6	69.4	6.7	15.9	6.9
			80	403.2	23.69	322.4	97.9	5.0	4.2	1.8	405.5	22.93	327.2	92.0	5.2	8.8	3.8	406.7	22.56	329.7	89.0	5.3	14.9	6.4
			100	389.3	29.77	287.7	117.3	3.8	4.0	1.7	391.2	28.78	293.0	111.6	4.0	8.3	3.6	392.1	28.30	295.6	108.7	4.1	14.0	6.1
			120	376.9	37.53	248.9	136.8	2.9	3.8	1.6	378.6	36.34	254.6	131.2	3.1	7.9	3.4	379.4	35.76	257.4	128.4	3.1	13.3	5.7
70	45	2.0 (4.6)	60	511.9	20.85	440.8	82.8	7.2	4.5	1.9	516.6	20.34	447.2	75.3	7.4	9.4	4.1	518.9	20.11	450.3	71.5	7.6	15.8	6.9
			80	489.8	24.77	405.3	101.8	5.8	4.2	1.8	493.6	23.89	412.1	94.6	6.1	8.8	3.8	495.6	23.48	415.5	91.0	6.2	14.8	6.4
			100	470.3	30.77	365.3	120.9	4.5	4.0	1.7	473.6	29.57	372.7	114.0	4.7	8.3	3.6	475.3	28.99	376.3	110.6	4.8	14.0	6.1
			120								455.3	37.31	328.0	133.5	3.6	7.9	3.4	456.8	36.58	332.0	130.2	3.7	13.2	5.7
	67.5	4.1 (9.5)	60	533.3	21.24	460.9	83.7	7.4	4.5	1.9	538.8	20.75	468.0	76.0	7.6	9.4	4.1	541.7	20.53	471.6	72.0	7.7	15.8	6.8
			80	507.9	25.03	422.5	102.6	5.9	4.2	1.8	512.4	24.14	430.1	95.2	6.2	8.8	3.8	514.8	23.72	433.9	91.4	6.4	14.8	6.4
			100	485.1	30.98	379.4	121.6	4.6	4.0	1.7	489.1	29.74	387.6	114.5	4.8	8.3	3.6	491.1	29.15	391.7	110.9	4.9	14.0	6.0
			120								467.6	37.47	339.7	133.9	3.7	7.9	3.4	469.4	36.71	344.1	130.4	3.7	13.2	5.7
	90	6.9 (15.8)	60	545.1	21.46	471.8	84.2	7.4	4.4	1.9	551.1	20.98	479.5	76.3	7.7	9.4	4.0	554.2	20.77	483.4	72.3	7.8	15.8	6.8
			80	517.7	25.18	431.8	103.0	6.0	4.2	1.8	522.7	24.29	439.9	95.5	6.3	8.8	3.8	525.3	23.87	443.9	91.7	6.5	14.8	6.4
			100	493.1	31.09	387.0	121.9	4.6	4.0	1.7	497.5	29.84	395.7	114.7	4.9	8.3	3.6	499.7	29.23	400.0	111.1	5.0	14.0	6.0
			120								474.2	37.55	346.1	134.1	3.7	7.8	3.4	476.2	36.78	350.7	130.6	3.8	13.2	5.7
90	45	1.9 (4.4)	60	647.0	23.61	566.4	88.8	8.0	4.4	1.9	655.4	23.19	576.2	79.4	8.3	9.3	4.0	659.7	23.04	581.1	74.7	8.4	15.7	6.8
			80	614.3	26.86	522.6	107.3	6.7	4.2	1.8	621.5	25.90	533.1	98.4	7.0	8.7	3.8	625.2	25.45	538.4	93.9	7.2	14.8	6.4
			100	584.2	32.53	473.2	126.0	5.3	3.9	1.7	590.6	31.09	484.5	117.5	5.6	8.2	3.6	593.8	30.40	490.1	113.2	5.7	13.9	6.0
			120															564.4	37.81	435.4	132.5	4.4	13.2	5.7
	67.5	3.9 (8.9)	60	679.7	24.38	596.5	90.2	8.2	4.4	1.9	689.9	24.01	607.9	80.4	8.4	9.3	4.0	695.1	23.89	613.6	75.4	8.5	15.7	6.8
			80	642.0	27.41	548.5	108.5	6.9	4.1	1.8	650.8	26.45	560.6	99.3	7.2	8.7	3.8	655.4	26.02	566.6	94.6	7.4	14.8	6.4
			100								614.9	31.47	507.5	118.2	5.7	8.2	3.6	618.9	30.77	513.9	113.8	5.9	13.9	6.0
			120																					
	90	6.5 (14.9)	60	697.9	24.82	613.2	91.0	8.2	4.4	1.9	709.2	24.49	625.6	81.0	8.5	9.3	4.0	715.0	24.39	631.8	75.9	8.6	15.7	6.8
			80																					
			100																					
			120																					

Extended Range - Anti-freeze required

Interpolation is permissible. Not extrapolation

Operation not recommended

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

The results reported herein are estimates based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Electrical Data – WT Model

Model	Voltage Code	Voltage/ Ph/Hz	Voltage Min/Max	Compressor			Total Unit		Compressor Services				
									Cold Winding Resistance (Ω)				Run Capacitor (µF/V)
				Quantity	RLA	LRA	Min Circuit Amps	Max Fuse/ HACR	Single Phase S-C	Single Phase R-C	Three Phase: T1-T2/T2-T3	Three Phase: T1-T3	
WT025	1	208-230/1/60	197/253	1	11.7	58.3	14.6	25	1.64	1.30	-	-	35/370
	2	265-277/1/60	239/291	1	9.1	54.0	11.4	20	2.17	1.48	-	-	40/370
	3	208-230/3/60	197/253	1	6.5	55.4	8.1	15	-	-	2.153	1.763	-
WT035	1	208-230/1/60	197/253	1	15.3	83.0	19.1	30	1.52	0.88	-	-	40/370
	2	265-277/1/60	239/291	1	13.0	72.0	16.3	25	1.15	1.22	-	-	60/370
	3	208-230/3/60	197/253	1	11.6	73.0	11.6	25	-	-	1.53	1.21	-
	4	460/3/60	414/506	1	5.7	38.0	7.1	15	-	-	5.87	4.86	-
WT049	1	208-230/1/60	197/253	1	21.2	104.0	26.5	45	1.86	0.52	-	-	30/370
	3	208-230/3/60	197/253	1	14.0	83.1	17.5	30	-	-	1.03	1.03	-
	4	460/3/60	414/506	1	6.4	41.0	8.0	15	-	-	4.17	4.17	-
WT061	1	208-230/1/60	197/253	1	27.1	152.9	33.9	60	1.63	0.39	-	-	40/440
	3	208-230/3/60	197/253	1	16.5	110.0	20.6	35	-	-	0.68	0.68	-
	4	460/3/60	414/506	1	7.2	52.0	9.0	15	-	-	3.20	3.20	-
WT071	1	208-230/1/60	197/253	1	29.7	179.2	37.1	60	1.85	0.34	-	-	40/440
	3	208-230/3/60	197/253	1	17.6	136.0	22.0	35	-	-	0.60	0.60	-
	4	460/3/60	414/506	1	8.5	66.1	10.6	15	-	-	2.52	2.52	-

NOTES: Resistance value tolerance +/- 7%. All resistance values must be measured with compressor at room temperature.

Electrical Data – WW Model

Model	Voltage Code	Voltage/ Ph/Hz	Voltage Min/Max	Compressor			Total Unit		Compressor Services			
									Cold Winding Resistance (Ω)			Run Capacitor (µF/V)
				Quantity	RLA	LRA	Min Circuit Amps	Max Fuse/ HACR	Single Phase S-C	Single Phase R-C	Three Phase: Line-Line	
WW120	3	208-230/3/60	197/253	1	33.3	239.0	41.6	70	-	-	0.31	-
	4	460/3/60	414/506	1	17.9	125.0	22.4	40	-	-	1.24	-
	5	575/3/60	518/632	1	12.8	80.0	16.0	25	-	-	2.55	-
WW122	1	208-230/1/60	197/253	2	28.3	178.0	63.7	90	0.365	0.970	-	80/370
	3	208-230/3/60	197/253	2	19.2	136.0	43.2	60	-	-	0.60	-
	4	460/3/60	414/506	2	8.7	66.1	19.6	25	-	-	2.52	-
	5	575/3/60	518/632	2	6.9	55.3	15.5	20	-	-	3.74	-
WW180	3	208-230/3/60	197/253	1	48.1	245.0	60.1	100	-	-	0.28	-
	4	460/3/60	414/506	1	18.6	125.0	23.3	40	-	-	1.24	-
	5	575/3/60	518/632	1	14.7	100.0	18.4	30	-	-	1.88	-
WW210	3	208-230/3/60	197/253	1	55.8	340.0	69.8	125	-	-	0.21	-
	4	460/3/60	414/506	1	26.9	173.0	33.6	60	-	-	0.83	-
	5	575/3/60	518/632	1	23.7	132.0	29.6	50	-	-	1.27	-
WW240	3	208-230/3/60	197/253	2	33.3	239.0	74.9	100	-	-	0.31	-
	4	460/3/60	414/506	2	17.9	125.0	40.3	50	-	-	1.24	-
	5	575/3/60	518/632	2	12.8	80.0	28.8	40	-	-	2.55	-
WW360	3	208-230/3/60	197/253	2	48.1	245.0	108.2	150	-	-	0.28	-
	4	460/3/60	414/506	2	18.6	125.0	41.9	60	-	-	1.24	-
	5	575/3/60	518/632	2	14.7	100.0	33.1	45	-	-	1.88	-
WW420	3	208-230/3/60	197/253	2	55.8	340.0	125.6	175	-	-	0.21	-
	4	460/3/60	414/506	2	26.9	173.0	60.5	80	-	-	0.83	-
	5	575/3/60	518/632	2	23.7	132.0	53.3	70	-	-	1.27	-

NOTES: Resistance value tolerance +/- 7%. All resistance values must be measured with compressor at room temperature.

Operating Pressures (PSIG)

Chiller Mode

Cooling Mode Operating Pressures (PSIG)

Entering Load/Evap Temp. °F.	Entering Source Condenser Temperature Deg. °F					
	75 °F		85 °F		95 °F	
	Suction Pressure	Discharge Pressure	Suction Pressure	Discharge Pressure	Suction Pressure	Discharge Pressure
65	99-116	290-320	107-123	325-358	107-123	370-400
55	91-107	265-311	91-107	303-350	99-116	370-400
45	76-91	265-311	76-91	295-345	83-99	358-390

NOTE: WT/WW R140A Units

Boiler Mode

Heating Mode Operating Pressures (PSIG)

Entering Load Degree °F.	Entering Source	Suction Pressure	Discharge Pressure
70	0	68-83	255-290
	60	99-116	270-305
	80	130-145	290-325
90	90	40 76-91	350-380
	60	99-116	358-390
	80	30-165	370-400
110	40	76-91	455-480
	60	99-116	470-500
	80	139-165	480-575

NOTES: 1. WT/WW R140A Units.

2. Above ratings are based on water flow rates stated in specification sheets. 2.4 GPM/ton on evaporator side and 10°F Δ T on condensor side when in the chiller mode. Boiler mode conditions are 2.4 GPM/ton on the source side and 10°F Δ T on load side. The values are typical and may vary between models.

Physical Data

WT Model Water Source Heat Pump

Size Tonnage	WT025	WT035	WT049	WT061	WT071
Compressor Type (Qty 1)	Scroll	Scroll	Scroll	Scroll	Scroll
Refrigeration Charge (oz)	48	59	62	72	90
Max Water Working Pressure (PSIG/kPa)	450/3100	450/3100	450/3100	450/3100	450/3100
Number of Refrigeration Circuits	1	1	1	1	1
Water Coils					
Connection Type	FPT	FPT	FPT	FPT	FPT
Size	3/4"	3/4"	1"	1"	1"
Water Coil Type	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial
Coil Volume (gal)	0.49	0.49	0.64	0.77	1.05
Cabinet					
Weight - Operating (lbs)	240	250	280	310	430
Weight - Shipping (lbs)	260	270	300	330	450

WW Model Water Source Heat Pump

Size Tonnage	WW120	WW122	WW180	WW210	WW240	WW360	WW420
Compressor Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Refrigeration Charge (oz/circuit)	140	85	210	220	140	210	220
Max Water Working Pressure (PSIG/kPa)	450/3100	450/3100	450/3100	450/3100	450/3100	450/3100	450/3100
Number of Refrigeration Circuits	1	2	1	1	2	2	2
Water Coils							
Connection Type	FPT	FPT	FPT	FPT	FPT	FPT	FPT
Size	1 1/4"	1 1/4"	1 1/2"	1 1/2"	2"	2"	2"
Water Coil Type	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial
Coil Volume (gal)	1.00	1.00	3.31	3.31	1.00	3.31	3.31
Cabinet							
Weight - Operating (lbs)	648	720	850	890	1230	1550	1700
Weight - Shipping (lbs)	670	740	870	910	1260	1580	1730

Subject to change without prior notice.

Unit Dimensions

WT Model Water Source Heat Pump

Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	Water Connections	HRP Connections
	Height	Width	Depth	Load Side Water In Height	Left Side to Load Side Water In	Load Side Water Out Height	Left Side to Load Side Water Out	Source Side Water In Height	Right Side to Source Side Water Out	Source Side Water Out Height	Right Side to Source Side Water Out	HRP Water In Height	HRP Water Out Height	Left Side to HRP Water Out	Electrical Knockout Heights				Left Side to Electrical Knockouts		
WT025	24.00	32.50	24.00	2.70	2.50	13.70	2.50	3.25	1.95	14.25	1.95	7.15	11.00	4.25	6.55	8.05	9.55	1.25	3/4" FPT	1/2" FPT
WT035	24.00	32.50	24.00	2.30	2.30	14.30	2.50	3.70	2.55	15.70	2.55	7.15	11.00	4.25	6.55	8.05	9.55	1.25	3/4" FPT	1/2" FPT
WT049	24.00	32.50	24.00	2.30	2.60	14.30	2.65	3.70	2.65	15.70	2.65	7.15	11.00	4.25	6.55	8.05	9.55	1.25	1" FPT	1/2" FPT
WT061	24.00	32.50	24.00	2.30	2.60	14.30	2.65	3.20	2.65	15.20	2.65	7.15	11.00	4.25	6.55	8.05	9.55	1.25	1" FPT	1/2" FPT
WT071	24.00	32.50	24.00	2.50	2.60	21.75	4.45	2.50	2.45	21.75	2.65	7.15	11.00	4.25	6.55	8.05	9.55	1.25	1" FPT	1/2" FPT

NOTES: All dimensions in inches unless otherwise noted. All dimensions within +-0.125". Specifications subject to change without notice.

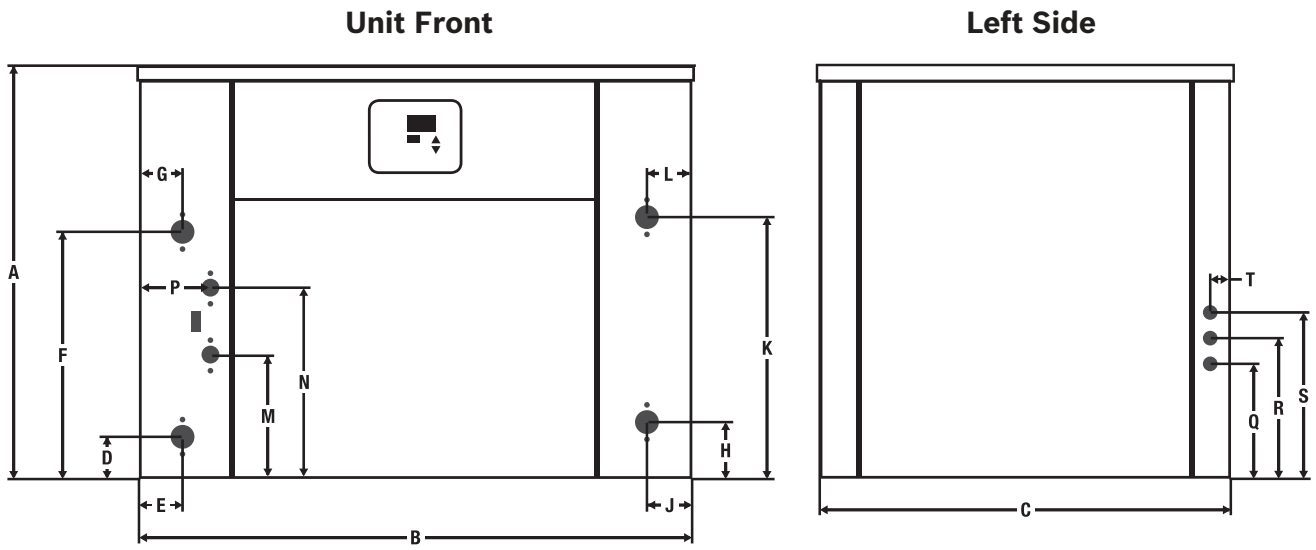

Figure 5

Unit Dimensions

WW Model Water Source Heat Pump

Model	Height	Width	Depth	A	B	Source Water In Height	Source Water Out Height	Right Side to Source Water Out	Load Water Out Height	Load Water In Height	Right Side to Load Water In	Unit Leg Height	Water Connections	HRP Connections
				Right Side to Load Water Out	Right Side to Source Water In									
WW120	37.50	28.00	46.00	8.50	19.50	13.50	32.25	17.50	27.62	8.37	10.50	3.50	1 1/4" FPT	-
WW122	37.50	28.00	46.00	8.50	19.50	13.50	32.25	17.50	27.62	8.37	10.50	3.50	1 1/4" FPT	1/2" FPT
WW180	37.50	28.00	46.00	4.50	23.50	13.50	32.25	17.50	27.62	8.37	10.50	3.50	1 1/2" FPT	-
WW210	37.50	28.00	46.00	4.50	23.50	13.50	32.25	17.50	27.62	8.37	10.50	3.50	1 1/2" FPT	-
WW240	70.00	28.00	46.00	8.50	19.50	29.25	48.50	17.50	43.50	24.50	10.50	3.50	2" FPT	-
WW360	70.00	28.00	46.00	4.50	23.50	29.25	48.50	17.50	43.50	24.50	10.50	3.50	2" FPT	-
WW420	70.00	28.00	46.00	4.50	23.50	29.25	48.50	17.50	43.50	24.50	10.50	3.50	2" FPT	-

NOTES: All dimensions in inches unless otherwise noted. All dimensions within +-0.125". Specifications subject to change without notice.

WW Models 120, 122, 180, 210

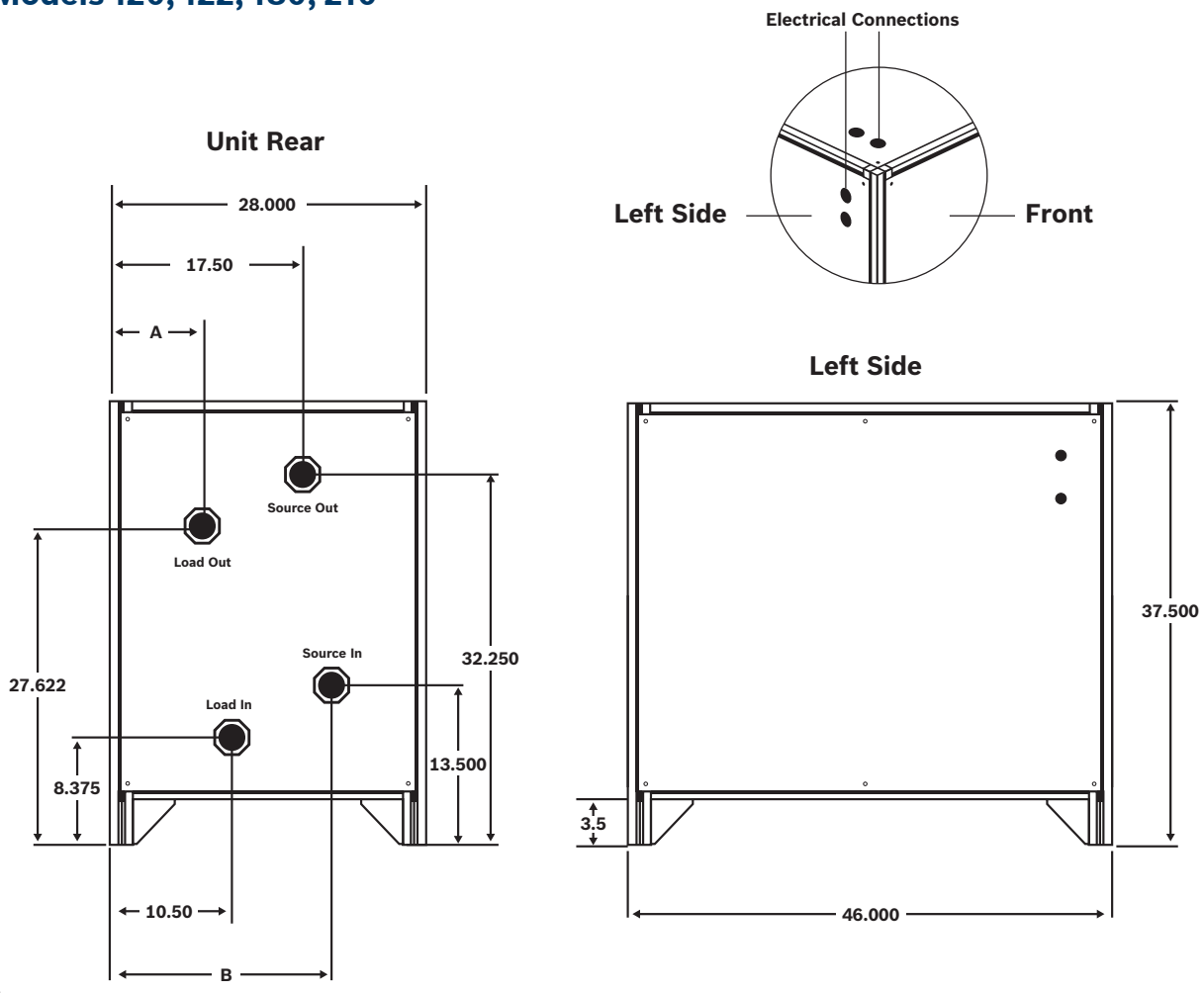

Figure 6

Unit Dimensions

WW Models 240, 360, 420

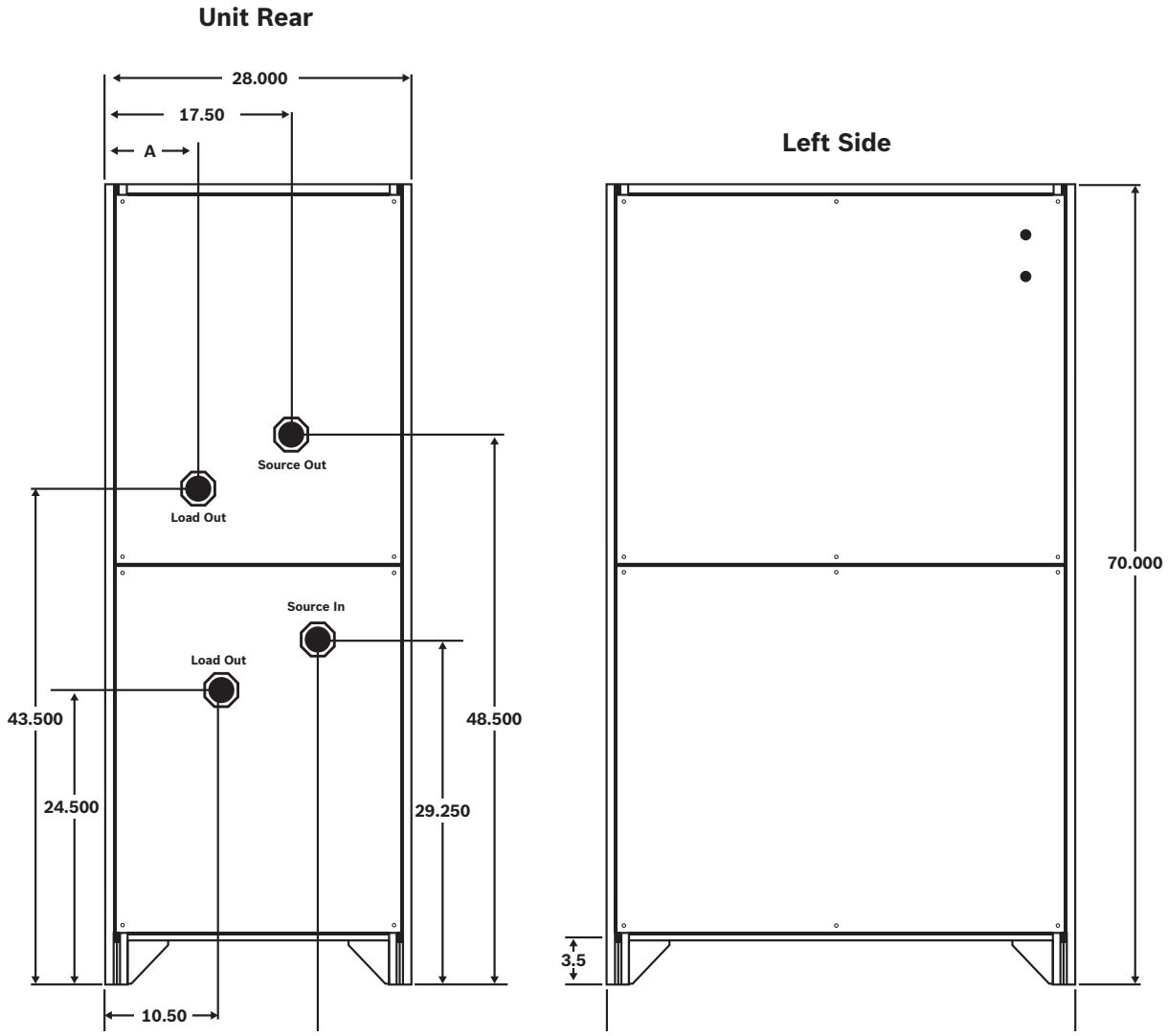

Figure 7

Guide Specifications

WT025-071 Two-Stage, Water-to-Water Reverse Cycle Chillers and Low Temperature Boilers

General

Units shall be ETL listed for safety on all models. Each unit shall be run tested at the factory, pallet-mounted and stretch-wrapped. The units shall be manufactured in an ISO 9001 certified facility, designed to operate with entering fluid temperatures between 20˚F (-7˚C) and 120˚F (49˚C) as manufactured by FHP Manufacturing in Fort Lauderdale, Florida. Refrigerant shall be R-410A.

Casing and Cabinet

The cabinet shall be fabricated from G-90 galvanized sheet metal for corrosion protection. All interior surfaces are lined with ½" thick, 1.5lb/cu ft density micromat multi-density, coated fiberglass insulation for thermal insulation and acoustical attenuation. All units shall allow sufficient service access to replace the compressor without unit removal. The compressor shall be covered with a multi-density sound absorbing blanket (option) and have a floating base pan to minimize noise transmission.

Refrigeration Circuits

All units shall contain a hermetically sealed refrigerant circuit including a two stage scroll compressor, bidirectional thermal expansion valve metering device, coaxial style fluid-to-refrigerant heat exchangers, refrigerant reversing valve and service ports. Compressor shall be high efficiency, two stage scroll type, designed for heat pump duty, quiet operation and mounted on rubber vibration isolators. Compressor motors shall be equipped with overload protection. Refrigerant reversing valves shall be pilot operated sliding piston type with replaceable encapsulated magnetic coils energized only during the chiller cycle. The coaxial water-to-refrigerant heat exchanger shall be constructed of a convoluted copper (optional cupro-nickel) inner tube and steel outer tube with a designed refrigerant working pressure of 600 PSIG (4100kPa) and a designed water side working pressure of no less than 450 PSIG (3100 kPa). Due to their susceptibility to fouling, brazed plate heat exchangers are not acceptable. The fluid-to-refrigerant heat exchangers shall be insulated to prevent condensation at low fluid temperatures.

Electrical

Controls and safety devices will be factory wired and mounted within the unit. Controls shall include comfort alert module, compressor contactor, 24V transformer, reversing valve coil and solid state lockout controller (UPM) The UPM controller shall include the following features: Anti-short cycle time delay, random start, brown out/surge/power interruption protection, 120 second low pressure switch bypass timer, shutdown on high or low refrigerant pressure safety switch inputs, shutdown for the freezestat, 24 VAC alarm output for remote fault indication, unit reset at thermostat or disconnect, ability to defeat time delays for servicing and automatic intelligent reset. The UPM shall automatically reset after a safety shut down and restart the unit, if the cause of the shut down no longer exists, after the anti-short cycle and random start timers expire. Should a fault re-occur within 60 minutes after reset, then a permanent lockout will occur. A LED shall annunciate the following alarms: high refrigerant pressure, low refrigerant pressure and low water temperature (when equipped with the optional low water temperature sensor). The LED will display each fault condition as soon as the fault occurs. If a permanent lockout occurs, then the fault LED will display the type of fault until the unit is reset. Safety devices include a low pressure cutout set a 40 PSIG (280 kPa) for loss of charge protection (freezestat and/or high discharge gas temperature sensor are not acceptable) and a high pressure cutout control set at 600 PSIG (4100 kPa). An optional energy management relay that allows unit control by an external source shall be factory installed. A terminal block with screw terminals shall be provided for control wiring.

Piping

Water piping connections shall be female pipe thread with a single set of source and load connections flush mounted to the unit cabinet.

Heat Recovery Package

208/230 volt units shall be equipped with an optional factory installed internal heat recovery kit for domestic hot water production. This kit shall include a vented, double walled coaxial water to refrigerant heat exchanger, circuit breaker protected circulating pump, high water temperature.

DDC Controls

Unit shall be equipped with a factory installed DDC control capable of interfacing with BACnet™, Modbus, N2 or Lon works® (with optional card). The controller shall be preprogrammed to control the unit and monitor the safety controls. The unit shall be able to operate as a stand-alone or be integrated into the building management system. A leaving water sensor shall be installed in the unit. Wall sensors shall be available for controlling zone temperature. Unit mounted disconnect: A non-fused factory mounted disconnect shall be installed on the unit.

Guide Specifications

WW120-420 Modular Reverse Cycle Chillers/Low Temperature Boiler

General
Units shall be ETL listed for safety on all models. Each unit shall be run tested at the factory. Each unit shall be pallet mounted and stretch wrapped. The units shall be designed to operate with entering fluid temperatures between 20°F (-7°C) and 120°F (49°C) as manufactured by FHP Manufacturing in Fort Lauderdale, Florida. Refrigerant shall be R-410A.

Casing and Cabinet
The cabinet shall be fabricated from G-90 galvanized sheet metal for corrosion protection and shall be supported by a full angle iron frame. The interior shall be insulated with 1/2" (12.7mm) thick, multi-density, coated, glass fiber. All units shall allow front service access to replace the compressor and/or electrical components without unit removal.

Refrigeration Circuits
All units shall contain a sealed refrigerant circuit including hermetic scroll compressor(s), bidirectional thermal expansion valve metering device(s), coaxial style fluid-to-refrigerant heat exchangers, refrigerant reversing valve(s) and service ports. Compressor shall be high efficiency, designed for heat pump duty with refrigerant R-410A, and mounted on rubber vibration isolators. Compressor motors shall be equipped with overload protection. Refrigerant reversing valves shall be pilot operated sliding piston type with replaceable encapsulated magnetic coils energized only during the chiller cycle. The coaxial water-to-refrigerant heat exchanger shall be constructed of a convoluted copper (optional cupro-nickel) inner tube and steel outer tube with a designed refrigerant working pressure of 600 PSIG (4100 kPa) and a designed water side working pressure of no less than 450 PSIG (3100 kPa). Due to their susceptibility to fouling, brazed plate heat exchangers are not acceptable. The fluid-to-refrigerant heat exchangers shall be insulated to prevent condensation at low fluid temperatures.

Electrical
Controls and safety devices will be factory wired and mounted within the unit. Controls shall include compressor contactors, 24V transformer, reversing valve coils and a solid state lock-out control circuit (UPM). The UPM controller shall include the following features: Anti-short cycle time delay, random start, interstage delay, brown out/surge/power interruption protection, 120 second low pressure switch bypass timer, shutdown on high or low refrigerant pressure safety switch inputs, shutdown for the optional freezestat, 24 VAC alarm output for remote fault indication, unit reset at thermostat or disconnect, ability to defeat time delays for servicing, time delay between stages and automatic intelligent reset. The UPM shall automatically reset after a safety shut down and restart the unit, if the cause of the shut down no longer exists, after the anti-short cycle and random start timers expire. Should a fault re-occur within 60 minutes after reset, then a permanent lockout will occur. A LED shall annunciate the following alarms for each refrigerant circuit: high refrigerant pressure, low refrigerant pressure and low water temperature (when equipped with the optional low water temperature sensor). The LED will display each fault condition as soon as the fault occurs. If a permanent lockout occurs, then the fault LED will display the type of fault until the unit is reset. Safety devices include a low pressure cutout set at 20 PSIG (140 kPa) for loss of charge protection (a freezestat used for loss of charge protection is not acceptable) and a high pressure cutout control set at 600 PSIG (4100 kPa). An optional energy management relay to allow unit control by an external source shall be factory installed.

Piping
Water piping connections at the rear of the unit, shall be female pipe thread with a single set of source and load connections per unit.

DDC Controls
Unit shall be equipped with a factory installed DDC control capable of interfacing with BACnet™, Modbus, N2 or Lon works® (with optional card). The controller shall be preprogrammed to control the unit and monitor the safety controls. The unit shall be able to operate as a stand-alone or be integrated into the building management system. A leaving water sensor shall be installed in the unit. Wall sensors shall be available for controlling zone temperature. Unit mounted disconnect: A non-fused factory mounted disconnect shall be installed on the unit.

Bosch Thermotechnology Corp.
555 NW 65th Court, Fort Lauderdale, FL 33309
Phone: 866-642-3198 | Fax: 954-776-5529
fhp-mfg.com

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