

Greensource i Series Model SV Water Source Heat Pump 1/2 to 6 Ton

Engineering
Submittal
Sheet



BOSCH

Overview and Certifications



Standard Features, Factory Installed Options, and Field Install Accessories

Standard Features

► Available in Horizontal and Vertical Cabinets

- Constructed using galvanized steel
- Standard hanging bracket kits on HZ units for suspending the unit from field supplied hanger rods

► Single Stage Compact

- Up to 16.9 EER (GLHP)
- PSC blower motors for all sizes

► Unit Configuration

- Left hand or right hand return air
- Top or end supply air
- Copper or Cupro-Nickel Coaxial Coil

► Standard 1" Throwaway Filter with 2 side Filter Rack

► 1/2" Dual Density Fiber Insulation

- Non-combustible, non-hydroscopic and does not support fungal growth
- Meets NFPA 90A and 90B for fire protection
- Meets the GREENGUARD Indoor Air Quality Standard
- All panels are insulated using 1.5 lb./cu.ft. density micromat fiberglass insulation for both thermal insulation and noise reduction

► Compressors

- Floating compressor base pan for quiet operation
- Rotary type compressors on sizes 007 through 018
- Scroll type compressors on sizes 024 through 070

► TXV (Thermal Expansion Valve)

- Improves refrigerant management and efficiencies

GreenSource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



Standard Features, Factory Installed Options, and Field Install Accessories continued..

► Reliability - Durability - Serviceability

- Tin plated coil
- UPM circuit board with communicating features
- Completely serviceable from front of unit as well as insulated bulkheads allow the unit to be serviced during operation

► DuoGuard™ Evaporator Coil

- Tin Electro-Plated Copper Tubing Hair Pins with high-tech polymer coated Aluminum fins will protect the evaporator coil from most forms of corrosive elements in the airstream

► Electronic Circuit Board UPM

- The electronic circuit board provides protection with:
 - Random Start of Unit
 - Anti-Short Cycling (5 minute delay)
 - Alarm communicating output
 - Low pressure switch bypass at cold water start up
- It also monitors and communicates standard safety features/alerts/operation/protection:
 - Low Pressure Switch
 - High Pressure Switch
 - Evaporator Freeze Protection
 - Water Coil Freeze Switch
 - Condensate Overflow Switch
- This circuit board can communicate with a Bosch thermostat that alerts the customer of adverse conditions

► 75 VA Transformer

► Warranty

- 1 year all parts limited warranty
- 5 year compressor limited warranty
- For full warranty details:
<https://www.bosch-climate.us/support-center/product-warranty-library/residential-heat-pumps-geothermal-warranty-documents.html>

► Field Configurable Horizontal Discharge Air Conversion

- The horizontal conversion allows end blow to straight through conversion of discharge air, as factory installed straight through configuration for HZ units is no longer available.

► Water Connections

- All water connections are heavy duty bronze FPT fittings securely fastened to the unit corner post

Factory Installed Options

► Cupro-nickel Coil

- Recommended in conditions anticipating moderate scale formation or in brackish water

Field Install Options

► Thermostats

- Bosch thermostats are fully customized to meet your individual needs. Bosch offers communicating thermostats that can display alert messages without having to go to the unit.

► Externally Mounted Duct Heater Kits

► Swivel Water Connections

- 3/4" or 1" FPT Swivel Water Connection

► Pump/Valve Relay Kit

- This relay is used to energize a supply pump or solenoid valve when there is a call for compressor operation. This relay can be used to switch either high or low voltage power.

► SmartStart Assist Kit

- An option which provides a means of reducing inrush currents at compressor startup. Light flickering is eliminated, and a smooth start is achieved (only available on scroll compressor models).

► Stainless Steel Hose Kits

- Available in various lengths and diameters depending on the need for your application.

► Flow Center Kits

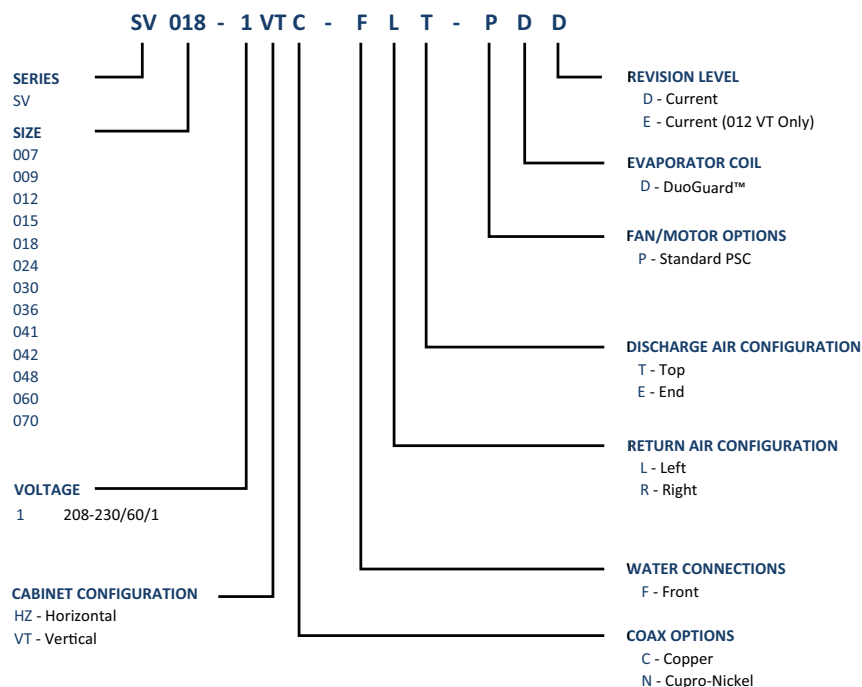
Greensource i Series Model SV

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Model Nomenclature



AHRI/ANSI 13256-1 Capacity and Efficiency Data

| Models | Motor Option | Water Loop Heat Pump | | | | Ground Loop Heat Pump | | | | CFM | GPM |
|--------|--------------|----------------------|--------------|-----------------|------|-----------------------|--------------|-----------------|------|------|-----|
| | | Cooling 86 °F | | Heating 68 °F | | Cooling 77 °F | | Heating 32 °F | | | |
| | | Capacity (Btuh) | EER (Btuh/W) | Capacity (Btuh) | COP | Capacity (Btuh) | EER (Btuh/W) | Capacity (Btuh) | COP | | |
| 007 | PSC | 6,100 | 13.20 | 7,800 | 5.10 | 6,800 | 15.10 | 4,900 | 3.40 | 300 | 2.0 |
| 009 HZ | PSC | 8,150 | 12.40 | 10,700 | 4.70 | 8,700 | 14 | 6,900 | 3 | 300 | 2.5 |
| 009 VT | PSC | 8,150 | 12.40 | 10,700 | 4.70 | 8,700 | 14.40 | 6,900 | 3.20 | 330 | 2.5 |
| 012 HZ | PSC | 10,900 | 12.20 | 13,000 | 4.30 | 11,800 | 14.10 | 8,700 | 3.20 | 375 | 3 |
| 012 VT | PSC | 10,900 | 12.20 | 13,800 | 4.30 | 11,500 | 14.10 | 8,800 | 3.20 | 375 | 3 |
| 015 | PSC | 14,200 | 12.80 | 16,100 | 4.40 | 14,200 | 14.60 | 11,300 | 3.30 | 500 | 4 |
| 018 | PSC | 18,200 | 14.10 | 20,200 | 4.60 | 19,200 | 16.15 | 14,300 | 3.50 | 600 | 5 |
| 024 | PSC | 24,300 | 14.20 | 27,400 | 5.00 | 25,400 | 16.90 | 18,100 | 3.55 | 800 | 6 |
| 030 | PSC | 28,200 | 13.40 | 32,600 | 4.70 | 29,500 | 15.60 | 21,500 | 3.40 | 950 | 7 |
| 036 | PSC | 36,250 | 14.30 | 38,800 | 4.65 | 38,000 | 16.65 | 27,100 | 3.55 | 1200 | 9 |
| 041 | PSC | 35,600 | 14.15 | 39,100 | 4.45 | 37,300 | 16.20 | 27,400 | 3.30 | 1240 | 9 |
| 042 | PSC | 39,500 | 13.65 | 42,800 | 4.45 | 41,200 | 15.90 | 30,000 | 3.25 | 1380 | 10 |
| 048 | PSC | 46,200 | 13.95 | 58,600 | 4.65 | 48,400 | 16.35 | 39,300 | 3.40 | 1640 | 12 |
| 060 HZ | PSC | 59,200 | 13.60 | 74,200 | 4.80 | 61,900 | 15.50 | 49,200 | 3.80 | 1700 | 15 |
| 060 VT | PSC | 59,100 | 13.60 | 77,800 | 4.80 | 61,600 | 15.80 | 53,400 | 3.75 | 1900 | 15 |
| 070 | PSC | 64,000 | 13.30 | 72,800 | 4.40 | 66,400 | 15.00 | 50,800 | 3.40 | 2000 | 16 |

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



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| Physical Data | | | | | | | | |
|-----------------------------------|--------------------|----------------------|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Description | Unit | Value | | | | | | |
| | | SV007 | SV009 | SV012 | SV015 | SV018 | SV024 | SV030 |
| Compressor Type (Qty 1) | — | Rotary | Rotary | Rotary | Rotary | Rotary | Scroll | Scroll |
| Max Water Working Pressure | PSIG/kPa | 400 | 400 | 400 | 400 | 400 | 400 | 400 |
| PSC Fan Motor & Blower | | | | | | | | |
| Fan Motor Type/Speeds | — | PSC/3 | PSC/3 | PSC/3 | PSC/3 | PSC/3 | PSC/3 | PSC/3 |
| Fan Motor | HP | 1/10 | 1/10 | 1/10 | 1/6 | 1/4 | 1/4 | 1/4 |
| Blower Wheel Size | Inch (Dia. x W) | 4.5 x 4.5 | 4.5 x 4.5 | 5.5 x 4.5 | 9 x 7 | 9 x 7 | 9 x 7 | 9 x 7 |
| Water Connection Size | | | | | | | | |
| FPT | Inch | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ |
| Coaxial Coil Volume | Gal | 0.06 | 0.08 | 0.08 | 0.09 | 0.14 | 0.24 | 0.24 |
| Vertical Cabinet | | | | | | | | |
| Refrigeration Charge | Oz | 16 | 19 | 19 (Cu) 25 (CuNi) | 19 (Cu) 17 (CuNi) | 23 (Cu) 25 (CuNi) | 35 (Cu) 33 (CuNi) | 35 (Cu) 33 (CuNi) |
| Air Coil Dimensions | Inch (H x W) | 10 x 14 | 10 x 14 | 10 x 14 | 12 x 16.5 | 16 x 16.5 | 20 x 16.5 | 20 x 16.5 |
| Standard Filter - 1" | Inch (L x H) | 10 x 16 | 10 x 16 | 10 x 16 | 16 x 20 | 16 x 20 | 20 x 20 | 20 x 20 |
| Optional Filter - 2" MERV 8 or 13 | Inch (L x H) | 10 x 16 | 10 x 16 | 10 x 16 | 16 x 20 | 16 x 20 | 20 x 20 | 20 x 20 |
| Weight - Operating | lbs | 98 | 105 | 105 | 123 | 173 | 177 | 190 |
| Weight - Shipping | lbs | 126 | 132 | 132 | 151 | 201 | 205 | 217 |
| Horizontal Cabinet | | | | | | | | |
| Refrigeration Charge | Oz | 16 (Cu) 19 (CuNi) | 19 | 19 (Cu) 25 (CuNi) | 19 (Cu) 22 (CuNi) | 24 (Cu) 25 (CuNi) | 35 (Cu) 33 (CuNi) | 35 (Cu) 33 (CuNi) |
| Air Coil Dimensions | Inch (H x W) | 10 x 14 | 10 x 14 | 10 x 14 | 12 x 16.5 | 16 x 16.5 | 16 x 20.5 | 16 x 20.5 |
| Standard Filter - 1" | Inch (L x H) | 10 x 16 | 10 x 16 | 10 x 16 | 16 x 20 | 16 x 20 | 16 x 25 | 16 x 25 |
| Optional Filter - 2" MERV 7 or 13 | Inch (L x H) | 10 x 16 | 10 x 16 | 10 x 16 | 16 x 20 | 16 x 20 | 16 x 25 | 16 x 25 |
| Weight - Operating | lbs | 96 | 105 | 105 | 136 | 174 | 181 | 190 |
| Weight - Shipping | lbs | 128 | 134 | 134 | 158 | 208 | 212 | 224 |

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Water Source Heat Pump ½ to 6 Ton



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| Physical Data | | | | | | | |
|-----------------------------------|--------------------|----------------------|--------|----------------------|----------|----------|-----------|
| Description | Unit | Value | | | | | |
| | | SV036 | SV041 | SV042 | SV048 | SV060 | SV070 |
| Compressor Type (Qty 1) | — | Scroll | Scroll | Scroll | Scroll | Scroll | Scroll |
| Max Water Working Pressure | PSIG/kPa | 400 | 400 | 400 | 400 | 400 | 400 |
| PSC Fan Motor & Blower | | | | | | | |
| Fan Motor Type/Speeds | — | PSC/3 | PSC/3 | PSC/3 | PSC/3 | PSC/3 | PSC/3 |
| Fan Motor | HP | 1/2 | 3/4 | 1/2 | 3/4 | 3/4 | 3/4 |
| Blower Wheel Size | Inch (Dia. x W) | 9 x 7 | 10 x 8 | 10 x 8 | 10 x 8 | 11 x 9 | 11 x 9 |
| Water Connection Size | | | | | | | |
| FPT | Inch | ¾ | ¾ | ¾ | 1 | 1 | 1 |
| Coaxial Coil Volume | Gal | 0.27 | 0.27 | 0.27 | 0.49 | 0.62 | 0.62 |
| Vertical Cabinet | | | | | | | |
| Refrigeration Charge | Oz | 44 (Cu) 40 (CuNi) | 41 | 47 | 52 | 59 | 64 |
| Air Coil Dimensions | Inch (H x W) | 24x20.2 | 20x16 | 24x20.2 | 24x26.75 | 24x26.75 | 32x26.2 |
| Standard Filter - 1" | Inch (L x H) | 24x24 | 20x20 | 24x24 | 24x30 | 24x30 | 16x30 (2) |
| Optional Filter - 2" MERV 8 or 13 | Inch (L x H) | 24x24 | 20x20 | 24x24 | 24x30 | 24x30 | 16x30 (2) |
| Weight - Operating | lbs | 229 | 217 | 239 | 287 | 307 | 336 |
| Weight - Shipping | lbs | 255 | 243 | 265 | 312 | 331 | 360 |
| Horizontal Cabinet | | | | | | | |
| Refrigeration Charge | Oz | 40 | N/A | 43 (Cu) 42 (CuNi) | 51 | 62 | 61 |
| Air Coil Dimensions | Inch (H x W) | 18x27.5 | N/A | 18x27.5 | 20x32 | 20x32 | 20x42 |
| Standard Filter - 1" | Inch (L x H) | 18x30 | N/A | 18x30 | 20x34.5 | 20x34.5 | 20x24 (2) |
| Optional Filter - 2" MERV 7 or 13 | Inch (L x H) | 18x30 | N/A | 18x30 | 20x34.5 | 20x34.5 | 20x24 (2) |
| Weight - Operating | lbs | 226 | N/A | 231 | 274 | 288 | 316 |
| Weight - Shipping | lbs | 270 | N/A | 264 | 299 | 318 | 365 |

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| Operating Limits - Cooling & Heating | |
|---|---------------|
| Description | Standard Unit |
| COOLING | |
| Minimum ambient air temperature °F | 50 |
| Maximum ambient air temperature °F | 100 |
| Minimum evaporator entering air db/wb °F | 68/57 |
| Rated air coil entering air db/wb °F | 80/67 |
| Maximum evaporator entering air db/wb °F | 95/85 |
| Minimum water coil entering fluid temperature °F | 50 |
| Water loop typical coil entering fluid range temperature °F | 70/90 |
| Maximum water coil entering fluid temperature °F | 110 |
| HEATING | |
| Minimum ambient air temperature °F | 40 |
| Maximum ambient air temperature °F | 85 |
| Minimum evaporator entering air db °F | 50 |
| Rated air coil entering air °F | 68 |
| Maximum evaporator entering air db °F | 80 |
| Normal water coil entering fluid range °F | 25*-80 |
| Minimum water coil entering Fluid °F | 20* |

* antifreeze solution is required at these fluid temperatures.



Units are designed to be installed in an air conditioned space. Maximum and minimum conditions may not be combined. Should one value be at the maximum or minimum, the other can not exceed the normal condition. Maximum and minimum conditions are at rated flow rates.

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| Horizontal Cabinet Corner Weights | | | | | | | | | | |
|-----------------------------------|------|-------|----------------------|--------------|-----------|------------|-----------------------|--------------|-----------|------------|
| Configuration | | | Left Hand Evaporator | | | | Right Hand Evaporator | | | |
| Model | Unit | Total | Left Front* | Right Front* | Left Back | Right Back | Left Front* | Right Front* | Left Back | Right Back |
| SVH 007 | Lbs | 98.4 | 28.0 | 21.5 | 25.3 | 23.7 | 21.5 | 28.0 | 23.7 | 25.3 |
| | kg | 44.6 | 12.7 | 9.7 | 11.5 | 10.7 | 9.7 | 12.7 | 10.7 | 11.5 |
| SVH 009 | Lbs | 103.0 | 28.9 | 23.6 | 26.4 | 25.8 | 23.6 | 28.9 | 25.8 | 26.4 |
| | kg | 46.7 | 13.1 | 10.7 | 12.0 | 11.7 | 10.7 | 13.1 | 11.7 | 12.0 |
| SVH 012 | Lbs | 104.8 | 28.9 | 23.6 | 26.4 | 25.8 | 23.6 | 28.9 | 25.8 | 26.4 |
| | kg | 47.5 | 13.1 | 10.7 | 12.0 | 11.7 | 10.7 | 13.1 | 11.7 | 12.0 |
| SVH 015 | Lbs | 126.9 | 35.8 | 28.3 | 33.6 | 29.1 | 28.3 | 35.8 | 29.1 | 33.6 |
| | kg | 57.5 | 16.2 | 12.8 | 15.3 | 13.2 | 12.8 | 16.2 | 13.2 | 15.3 |
| SVH 018 | Lbs | 177.4 | 56.9 | 35.9 | 47.5 | 37.1 | 35.9 | 56.9 | 37.1 | 47.5 |
| | kg | 80.5 | 25.8 | 16.3 | 21.5 | 16.8 | 16.3 | 25.8 | 16.8 | 21.5 |
| SVH 024 | Lbs | 181.0 | 57.8 | 36.8 | 48.4 | 38.0 | 36.8 | 57.8 | 38.0 | 48.4 |
| | kg | 82.1 | 26.2 | 16.7 | 22.0 | 17.2 | 16.7 | 26.2 | 17.2 | 22.0 |
| SVH 030 | Lbs | 194.3 | 61.1 | 40.5 | 51.8 | 40.9 | 40.5 | 61.1 | 40.9 | 51.8 |
| | kg | 88.1 | 27.7 | 18.4 | 23.5 | 18.6 | 18.4 | 27.7 | 18.6 | 23.5 |
| SVH 036 | Lbs | 237.0 | 70.5 | 48.6 | 65.9 | 52.0 | 48.6 | 70.5 | 52.0 | 65.9 |
| | kg | 107.5 | 32.0 | 22.1 | 29.9 | 23.6 | 22.1 | 32.0 | 23.6 | 29.9 |
| SVH 042 | Lbs | 231.0 | 69.6 | 46.7 | 64.5 | 50.2 | 46.7 | 69.6 | 50.2 | 64.5 |
| | kg | 104.8 | 31.6 | 21.2 | 29.2 | 22.8 | 21.2 | 31.6 | 22.8 | 29.2 |
| SVH 048 | Lbs | 268.0 | 86.7 | 59.6 | 61.6 | 60.0 | 59.6 | 86.7 | 60.0 | 61.6 |
| | kg | 121.6 | 39.3 | 27.0 | 28.0 | 27.2 | 27.0 | 39.3 | 27.2 | 28.0 |
| SVH 060 | Lbs | 288.0 | 87.7 | 64.7 | 69.4 | 66.2 | 64.7 | 87.7 | 66.2 | 69.4 |
| | kg | 130.6 | 39.8 | 29.4 | 31.5 | 30.0 | 29.4 | 39.8 | 30.0 | 31.5 |
| SVH 070 | Lbs | 316.0 | 97.6 | 71.5 | 76.5 | 70.4 | 71.5 | 97.6 | 70.4 | 76.5 |
| | kg | 143.3 | 44.3 | 32.4 | 34.7 | 32.0 | 32.4 | 44.3 | 32.0 | 34.7 |

*Front is control box end

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| Electrical Data - PSC Standard Blower Motor | | | | | | | | | | | | | | | | | | | |
|---|--------------|------------------|-----------------|-------------------|-----|------|-------|--------------|------|----------------|--------------------|----------|-----|--------------------|----------|-----|----------------------|----------|-----|
| Model | Voltage Code | Voltage/Hz/Phase | Voltage Min/Max | Compressor | | | | Blower Motor | | | Single Point Power | | | Dual Point Power | | | | | |
| | | | | Compressor model | QTY | RLA | LRA | FLA | HP | Total Unit FLA | Min. Circuit Amps | MOP CALC | MOP | Compressor Circuit | | | Blower Motor Circuit | | |
| | | | | | | | | | | | | | | Min. Circuit Amps | MOP CALC | MOP | Min. Circuit Amps | MOP CALC | MOP |
| SV007 | 1 | 208-230/1/60 | 197/253 | R/HGA5453BXD | 1 | 2.5 | 17.7 | 0.96 | 0.1 | 3.5 | 4.1 | 6.6 | 15 | 3.1 | 5.6 | 15 | 1.2 | 2.2 | 15 |
| SV009 | 1 | 208-230/1/60 | 197/253 | R/HGA5471BXD | 1 | 3.4 | 22.2 | 0.96 | 0.1 | 4.4 | 5.2 | 8.6 | 15 | 4.3 | 7.7 | 15 | 1.2 | 2.2 | 15 |
| SV012 | 1 | 208-230/1/60 | 197/253 | R/HGA5494BXD | 1 | 4.6 | 27.9 | 0.96 | 0.1 | 5.6 | 6.7 | 11.3 | 15 | 5.8 | 10.4 | 15 | 1.2 | 2.2 | 15 |
| SV015 | 1 | 208-230/1/60 | 197/253 | RGA5512BXD | 1 | 5.6 | 29.0 | 1.10 | 0.17 | 6.7 | 8.1 | 13.7 | 15 | 7.0 | 12.6 | 15 | 1.4 | 2.5 | 15 |
| SV018 | 1 | 208-230/1/60 | 197/253 | GK151KAAA3 | 1 | 7.4 | 33 | 1.8 | 0.25 | 9.2 | 11.1 | 18.5 | 15 | 9.3 | 16.7 | 15 | 2.3 | 4.1 | 15 |
| SV024 | 1 | 208-230/1/60 | 197/253 | ZP20K5EPFV | 1 | 13.5 | 58.3 | 1.8 | 0.25 | 15.3 | 18.7 | 32.2 | 30 | 16.9 | 30.4 | 30 | 2.3 | 4.1 | 15 |
| SV030 | 1 | 208-230/1/60 | 197/253 | ZP24K5EPFV | 1 | 12.8 | 64 | 1.8 | 0.25 | 14.6 | 17.8 | 30.6 | 30 | 16.0 | 28.8 | 25 | 2.3 | 4.1 | 15 |
| SV036 | 1 | 208-230/1/60 | 197/253 | ZP31K6EPFV | 1 | 15.4 | 83.9 | 4.4 | 0.5 | 19.8 | 23.7 | 39.1 | 35 | 19.3 | 34.7 | 30 | 5.5 | 9.9 | 15 |
| SV041 | 1 | 208-230/1/60 | 197/253 | ZP31K6EPFV | 1 | 15.4 | 83.9 | 4.4 | 0.75 | 19.8 | 23.7 | 39.1 | 35 | 19.3 | 34.7 | 30 | 5.5 | 9.9 | 15 |
| SV042 | 1 | 208-230/1/60 | 197/253 | ZP34K6EPFV + OLR* | 1 | 16.2 | 109 | 4.4 | 0.5 | 20.6 | 24.7 | 40.9 | 40 | 20.3 | 36.5 | 35 | 5.5 | 9.9 | 15 |
| SV048 | 1 | 208-230/1/60 | 197/253 | ZP42K6EPFV | 1 | 19.6 | 130 | 4.4 | 0.75 | 24.0 | 28.9 | 48.5 | 45 | 24.5 | 44.1 | 40 | 5.5 | 9.9 | 15 |
| SV060 | 1 | 208-230/1/60 | 197/253 | ZP54K6EPFV | 1 | 24.7 | 166 | 5.5 | 0.75 | 30.2 | 36.4 | 61.1 | 60 | 30.9 | 55.6 | 50 | 6.9 | 12.4 | 15 |
| SV070 | 1 | 208-230/1/60 | 197/253 | ZP57K5EPFV | 1 | 28.3 | 178.0 | 5.5 | 0.75 | 33.8 | 40.9 | 69.2 | 60 | 35.4 | 63.7 | 60 | 6.9 | 12.4 | 15 |

OLR* = additional overload relay/ lower RLA

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Water Source Heat Pump ½ to 6 Ton



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| Blower Performance CFM (PSC Standard Motor Blower) | | | | | | | | | | | | | | |
|--|---|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Model | Available External Static Pressure (in. wc. Wet coil and filter included) | | | | | | | | | | | | | |
| | Motor Speed | Default factory motor setting | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 |
| SV007 | Low | | 370 | 340 | 295 | 250 | - | - | - | - | - | - | - | - |
| | Med | X | 390 | 360 | 330 | 300 | 260 | - | - | - | - | - | - | - |
| | Hi | | 410 | 380 | 350 | 315 | 280 | 210 | - | - | - | - | - | - |
| SV009 | Low | | 295 | 270 | 245 | 220 | - | - | - | - | - | - | - | - |
| | Med | | 315 | 290 | 265 | 235 | 205 | - | - | - | - | - | - | - |
| | Hi | X | 330 | 300 | 275 | 245 | 220 | 180 | - | - | - | - | - | - |
| SV012 | Low | | 300 | 290 | 290 | 300 | - | - | - | - | - | - | - | - |
| | Med | | 380 | 380 | 360 | 330 | 290 | - | - | - | - | - | - | - |
| | Hi | X | 420 | 400 | 380 | 360 | 340 | 320 | - | - | - | - | - | - |
| SV015 | Low | | 500 | 450 | 400 | - | - | - | - | - | - | - | - | - |
| | Med | | 560 | 520 | 480 | 430 | 400 | - | - | - | - | - | - | - |
| | Hi | X | 700 | 650 | 600 | 550 | 500 | 450 | 400 | - | - | - | - | - |
| SV018 | Low | | 630 | 590 | 560 | - | - | - | - | - | - | - | - | - |
| | Med | X | 810 | 790 | 760 | 730 | 680 | 590 | - | - | - | - | - | - |
| | Hi | | 1010 | 970 | 920 | 870 | 800 | 680 | 530 | - | - | - | - | - |
| SV024 | Low | | 740 | 730 | 700 | 660 | 610 | - | - | - | - | - | - | - |
| | Med | | 830 | 810 | 770 | 730 | 680 | 620 | - | - | - | - | - | - |
| | Hi | X | 1000 | 950 | 900 | 830 | 750 | 690 | 630 | - | - | - | - | - |
| SV030 | Low | | 740 | 730 | 700 | 660 | 610 | - | - | - | - | - | - | - |
| | Med | | 830 | 810 | 770 | 730 | 680 | 620 | - | - | - | - | - | - |
| | Hi | X | 1000 | 950 | 900 | 830 | 750 | 690 | 630 | - | - | - | - | - |
| SV036 | Low | | 1290 | 1250 | 1200 | 1150 | 1080 | 1000 | - | - | - | - | - | - |
| | Med | | 1410 | 1350 | 1290 | 1220 | 1150 | 1060 | 900 | - | - | - | - | - |
| | Hi | X | 1500 | 1440 | 1370 | 1290 | 1210 | 1120 | 1000 | 900 | - | - | - | - |
| SV041 | Low | | 950 | 900 | 840 | 780 | 720 | 700 | - | - | - | - | - | - |
| | Med | | 1200 | 1140 | 1080 | 1010 | 930 | 870 | 820 | - | - | - | - | - |
| | Hi | X | 1490 | 1400 | 1320 | 1240 | 1160 | 1080 | 990 | 910 | - | - | - | - |
| SV042 | Low | | 1210 | 1210 | 1190 | 1160 | 1120 | 1080 | - | - | - | - | - | - |
| | Med | | 1460 | 1450 | 1430 | 1390 | 1330 | 1250 | 1160 | - | - | - | - | - |
| | Hi | X | 1750 | 1710 | 1670 | 1620 | 1560 | 1460 | 1330 | 1210 | 1080 | - | - | - |
| SV048 208/230V | Low | | 1450 | 1440 | 1420 | 1400 | 1360 | 1320 | - | - | - | - | - | - |
| | Med | | 1700 | 1670 | 1630 | 1580 | 1530 | 1470 | 1400 | - | - | - | - | - |
| | Hi | X | 1930 | 1870 | 1810 | 1740 | 1670 | 1600 | 1520 | 1430 | 1340 | - | - | - |
| SV048 460V | Low | | 1886 | 1853 | 1818 | 1773 | 1724 | 1654 | 1562 | 1481 | 1386 | 1299 | 883 | - |
| | Med | | 2029 | 1993 | 1946 | 1897 | 1837 | 1763 | 1662 | 1564 | 1460 | 1360 | 1254 | - |
| | Hi | X | 2225 | 2170 | 2105 | 2032 | 1961 | 1885 | 1793 | 1666 | 1541 | 1435 | 1298 | - |
| SV060 | Low | | 1560 | 1550 | 1540 | 1530 | 1505 | 1475 | 1440 | 1400 | - | - | - | - |
| | Med | | 1890 | 1880 | 1870 | 1860 | 1825 | 1790 | 1730 | 1670 | 1590 | 1500 | - | - |
| | Hi | X | 2220 | 2200 | 2150 | 2100 | 2050 | 2000 | 1940 | 1870 | 1800 | 1700 | 1590 | - |
| SV070 | Low | | 1570 | 1560 | 1550 | 1540 | 1530 | 1505 | 1475 | 1440 | 1400 | - | - | - |
| | Med | | 1900 | 1890 | 1880 | 1870 | 1860 | 1825 | 1790 | 1730 | 1670 | 1590 | 1500 | - |
| | Hi | X | 2240 | 2220 | 2200 | 2150 | 2100 | 2050 | 2000 | 1940 | 1870 | 1800 | 1700 | 1590 |

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton

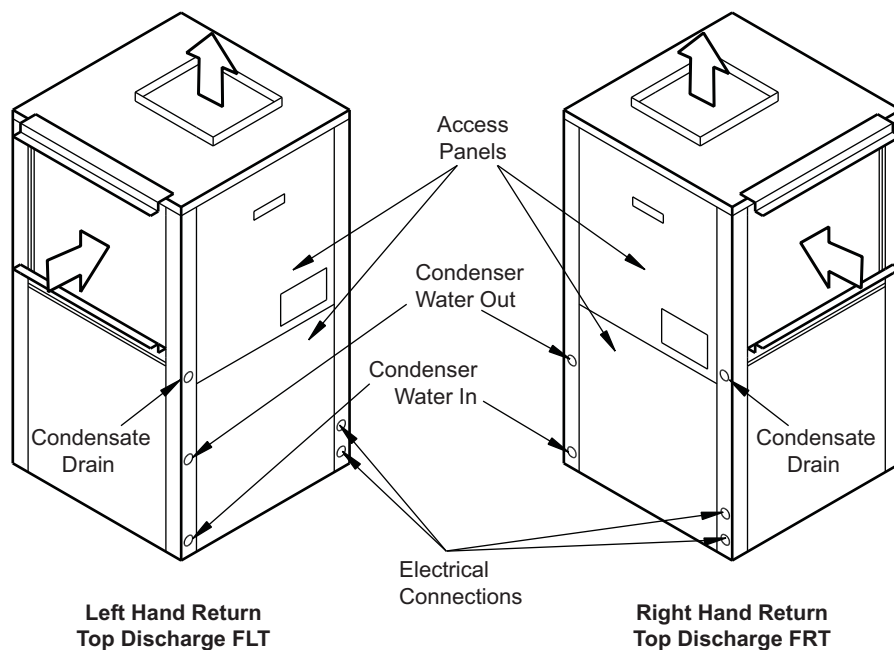


BOSCH

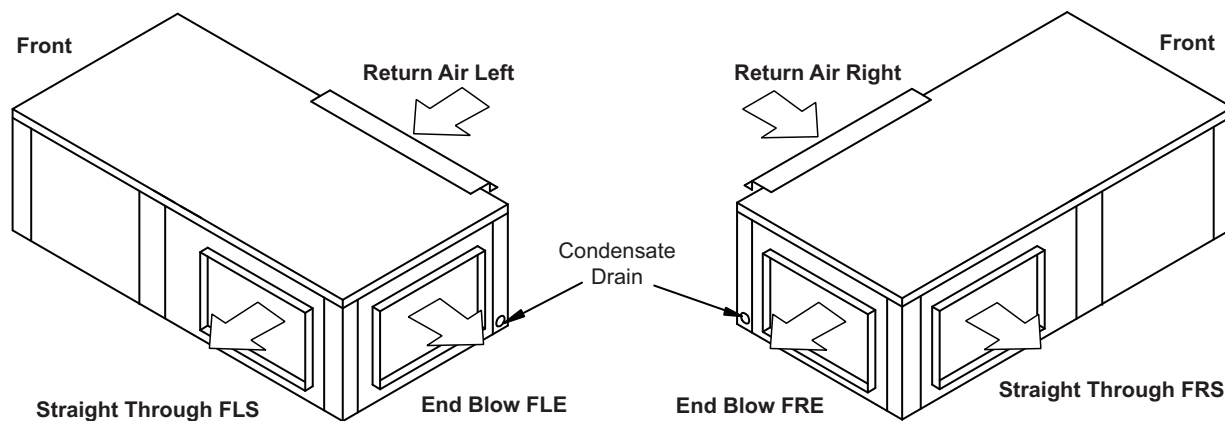
| Horizontal Cabinet Corner Weights | | | | | | | | | | |
|-----------------------------------|------|-------|----------------------|--------------|-----------|------------|-----------------------|--------------|-----------|------------|
| Configuration | | | Left Hand Evaporator | | | | Right Hand Evaporator | | | |
| Model | Unit | Total | Left Front* | Right Front* | Left Back | Right Back | Left Front* | Right Front* | Left Back | Right Back |
| SV007 | Lbs | 98.4 | 28.0 | 21.5 | 25.3 | 23.7 | 21.5 | 28.0 | 23.7 | 25.3 |
| | kg | 44.6 | 12.7 | 9.7 | 11.5 | 10.7 | 9.7 | 12.7 | 10.7 | 11.5 |
| SV009 | Lbs | 103.0 | 28.9 | 23.6 | 26.4 | 25.8 | 23.6 | 28.9 | 25.8 | 26.4 |
| | kg | 46.7 | 13.1 | 10.7 | 12.0 | 11.7 | 10.7 | 13.1 | 11.7 | 12.0 |
| SV012 | Lbs | 104.8 | 28.9 | 23.6 | 26.4 | 25.8 | 23.6 | 28.9 | 25.8 | 26.4 |
| | kg | 47.5 | 13.1 | 10.7 | 12.0 | 11.7 | 10.7 | 13.1 | 11.7 | 12.0 |
| SV015 | Lbs | 126.9 | 35.8 | 28.3 | 33.6 | 29.1 | 28.3 | 35.8 | 29.1 | 33.6 |
| | kg | 57.5 | 16.2 | 12.8 | 15.3 | 13.2 | 12.8 | 16.2 | 13.2 | 15.3 |
| SV018 | Lbs | 177.4 | 56.9 | 35.9 | 47.5 | 37.1 | 35.9 | 56.9 | 37.1 | 47.5 |
| | kg | 80.5 | 25.8 | 16.3 | 21.5 | 16.8 | 16.3 | 25.8 | 16.8 | 21.5 |
| SV024 | Lbs | 181.0 | 57.8 | 36.8 | 48.4 | 38.0 | 36.8 | 57.8 | 38.0 | 48.4 |
| | kg | 82.1 | 26.2 | 16.7 | 22.0 | 17.2 | 16.7 | 26.2 | 17.2 | 22.0 |
| SV030 | Lbs | 194.3 | 61.1 | 40.5 | 51.8 | 40.9 | 40.5 | 61.1 | 40.9 | 51.8 |
| | kg | 88.1 | 27.7 | 18.4 | 23.5 | 18.6 | 18.4 | 27.7 | 18.6 | 23.5 |
| SV036 | Lbs | 237.0 | 70.5 | 48.6 | 65.9 | 52.0 | 48.6 | 70.5 | 52.0 | 65.9 |
| | kg | 107.5 | 32.0 | 22.1 | 29.9 | 23.6 | 22.1 | 32.0 | 23.6 | 29.9 |
| SV042 | Lbs | 231.0 | 69.6 | 46.7 | 64.5 | 50.2 | 46.7 | 69.6 | 50.2 | 64.5 |
| | kg | 104.8 | 31.6 | 21.2 | 29.2 | 22.8 | 21.2 | 31.6 | 22.8 | 29.2 |
| SV048 | Lbs | 268.0 | 86.7 | 59.6 | 61.6 | 60.0 | 59.6 | 86.7 | 60.0 | 61.6 |
| | kg | 121.6 | 39.3 | 27.0 | 28.0 | 27.2 | 27.0 | 39.3 | 27.2 | 28.0 |
| SV060 | Lbs | 288.0 | 87.7 | 64.7 | 69.4 | 66.2 | 64.7 | 87.7 | 66.2 | 69.4 |
| | kg | 130.6 | 39.8 | 29.4 | 31.5 | 30.0 | 29.4 | 39.8 | 30.0 | 31.5 |
| SV070 | Lbs | 316.0 | 97.6 | 71.5 | 76.5 | 70.4 | 71.5 | 97.6 | 70.4 | 76.5 |
| | kg | 143.3 | 44.3 | 32.4 | 34.7 | 32.0 | 32.4 | 44.3 | 32.0 | 34.7 |



Vertical Unit Configurations



Horizontal Unit Configurations



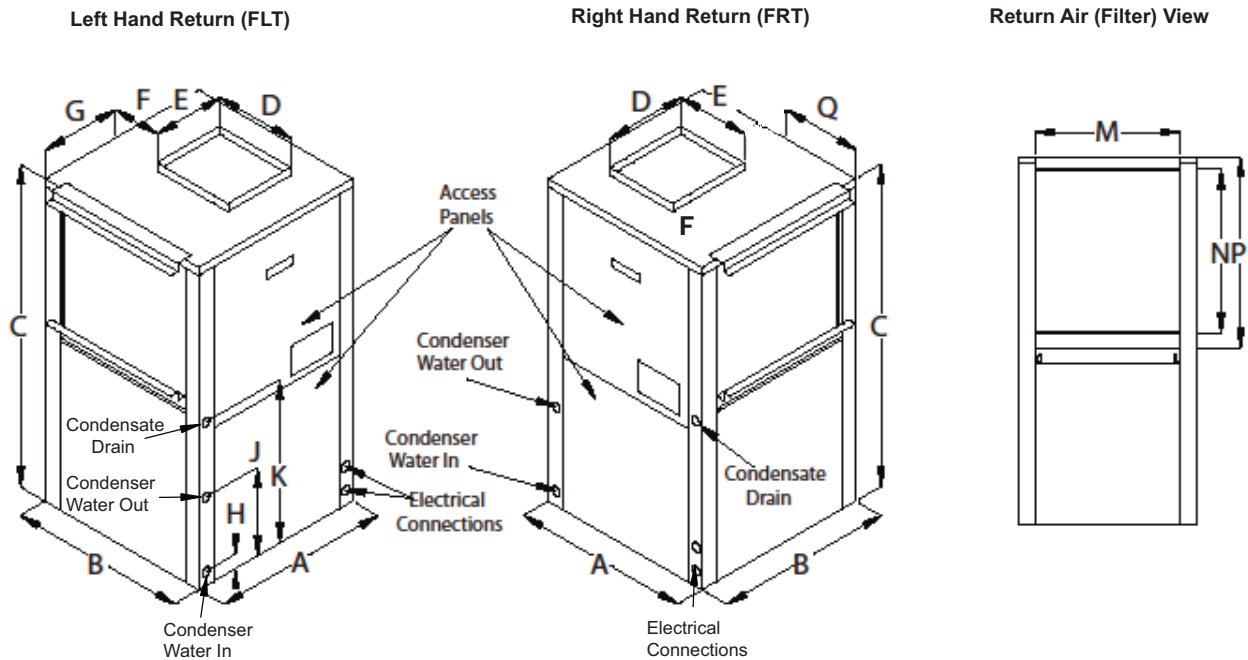
Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

SV Vertical Unit Dimensions and Connections



SV Vertical Unit Dimensions

| Model | A Width | B Depth | C Height | D Discharge Depth | E Discharge Width | F Cabinet Edge to Discharge | G Left Side to Discharge | H Water Inlet | J Water Outlet | K Condensate Drain | M R/A Duct Width | N R/A Duct Flange Height | P Filter Rack Height | Q Cabinet Edge to Discharge | Condenser Water Connections | Recommended Replacement Nominal Filter Size |
|-------|------------|------------|-------------|-------------------------|-------------------------|-----------------------------------|--------------------------------|---------------------|----------------------|--------------------------|------------------------|--------------------------------|----------------------------|-----------------------------------|--------------------------------|--|
| SV007 | 19.0 | 19.0 | 24.25 | 10.0 | 8.0 | 4.5 | 9.3 | 2.44 | 9.68 | 13.87 | 16.0 | 8.0 | 10.0 | 5.4 | 3/4"FPT | 10 × 16 × 1 |
| SV009 | 19.0 | 19.0 | 24.25 | 10.0 | 8.0 | 4.5 | 9.3 | 2.44 | 9.68 | 13.87 | 16.0 | 8.0 | 10.0 | 5.4 | 3/4"FPT | 10 × 16 × 1 |
| SV012 | 19.0 | 19.0 | 24.25 | 10.0 | 8.0 | 4.5 | 9.3 | 2.44 | 9.68 | 13.87 | 16.0 | 8.0 | 10.0 | 5.4 | 3/4"FPT | 10 × 16 × 1 |
| SV015 | 21.5 | 21.5 | 32.25 | 14.0 | 14.0 | 3.1 | 5.2 | 2.85 | 8.45 | 15.87 | 20.0 | 14.0 | 16.0 | 5.2 | 3/4"FPT | 16 × 20 × 1 |
| SV018 | 21.5 | 21.5 | 32.25 | 14.0 | 14.0 | 3.1 | 5.2 | 2.85 | 8.45 | 15.87 | 20.0 | 14.0 | 16.0 | 5.2 | 3/4"FPT | 16 × 20 × 1 |
| SV024 | 21.5 | 21.5 | 39.25 | 14.0 | 14.0 | 3.1 | 5.2 | 2.80 | 8.45 | 18.87 | 20.0 | 18.0 | 20.0 | 5.2 | 3/4"FPT | 20 × 20 × 1 |
| SV030 | 21.5 | 21.5 | 39.25 | 14.0 | 14.0 | 3.1 | 5.2 | 2.80 | 8.45 | 18.87 | 20.0 | 18.0 | 20.0 | 5.2 | 3/4"FPT | 20 × 20 × 1 |
| SV036 | 21.5 | 26.0 | 43.25 | 16.0 | 14.0 | 4.0 | 5.0 | 2.75 | 10.77 | 18.87 | 24.0 | 22.0 | 24.0 | 5.0 | 3/4"FPT | 24 × 24 × 1 |
| SV041 | 21.5 | 21.5 | 39.25 | 16.0 | 14.0 | 1.7 | 4.7 | 2.80 | 8.45 | 18.87 | 20.0 | 18.0 | 20.0 | 4.7 | 3/4"FPT | 20 × 20 × 1 |
| SV042 | 21.5 | 26.0 | 44.25 | 16.0 | 14.0 | 4.0 | 5.0 | 2.75 | 10.77 | 18.87 | 24.0 | 22.0 | 24.0 | 5.0 | 3/4"FPT | 24 × 24 × 1 |
| SV048 | 24.0 | 32.5 | 45.25 | 18.0 | 14.0 | 7.0 | 6.2 | 3.26 | 13.20 | 20.87 | 30.0 | 22.0 | 24.0 | 6.2 | 1"FPT | 24 × 30 × 1 |
| SV060 | 24.0 | 32.5 | 45.25 | 18.0 | 14.0 | 7.0 | 6.2 | 3.26 | 13.20 | 20.87 | 30.0 | 22.0 | 24.0 | 6.2 | 1"FPT | 24 × 30 × 1 |
| SV070 | 26.0 | 33.25 | 58.25 | 18.0 | 16.0 | 7.8 | 7.2 | 2.92 | 13.36 | 25.87 | 30.0 | 30.0 | 32.0 | 7.2 | 1"FPT | 16 × 30 × 1 (2) |

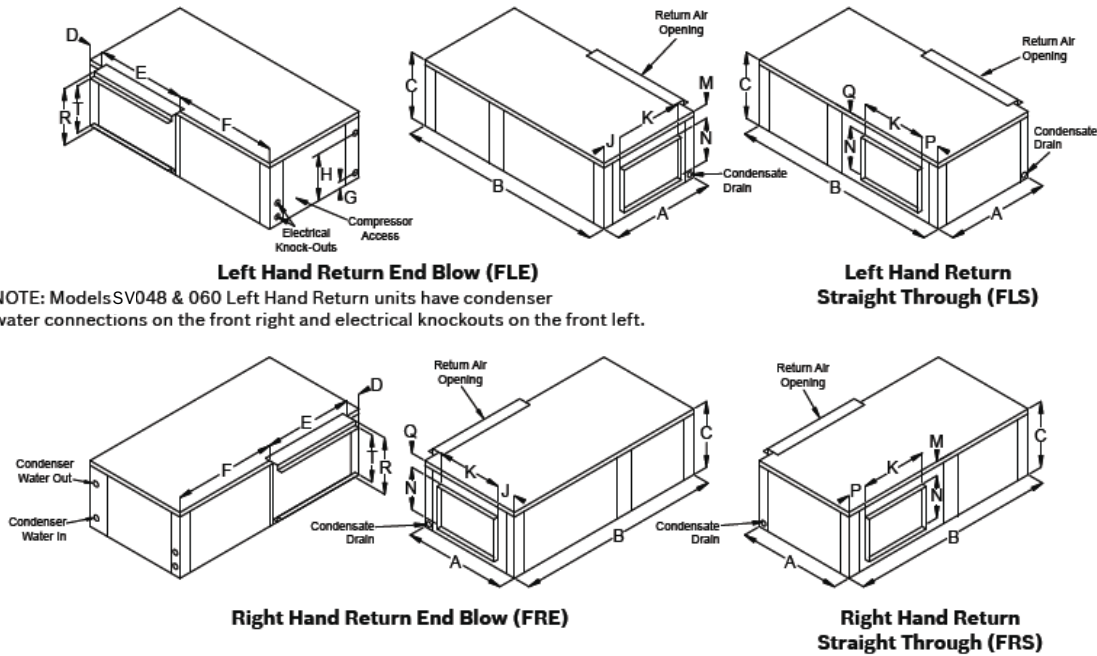
All dimensions within $\pm 0.125"$. All condensate drain connections are 3/4" FPT. Specifications subject to change without notice. 1" filter rack extends 1.23" beyond the side of the unit. 2" filter rack extends 2.89" beyond the side of the unit. The 2" filter rack is 4 sided with a filter access door on one end and can accept either a 1" or 2" filter. LV015-070 can be field converted between end blow and straight through supply air configurations.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



SV Horizontal Unit Dimensions and Connections



SV Horizontal Unit Dimensions

| Model | A | B | C | D | E | F | G | H | J | K | M | N | P | Q | R | T | Condenser Water Connections | Recommended Replacement Nominal Filter Size |
|--------------|-------|-------|--------|----------------------------|----------------|--------------------------|-------------|--------------|-------------------------|-----------------|------------------------------|------------------|-----------------------------|------------------------------|--------------------|------------------------|-----------------------------|---|
| | Width | Depth | Height | Cabinet End to Filter Rack | R/A Duct Width | Cab Front to Filter Rack | Water Inlet | Water Outlet | Side to Discharge (End) | Discharge Width | Top to Discharge (FLE & FRS) | Discharge Height | End to Discharge (Straight) | Top to Discharge (FRE & FLS) | Filter Rack Height | R/A Duct Flange Height | | |
| SV007 | 19.0 | 33.0 | 11.5 | 1.5 | 16.15 | 15.35 | 2.38 | 9.5 | 5.375 | 6.3 | 5.97 | 4.1 | 4.875 | 1.41 | 11.3 | 8.6 | 3/4" FPT | 10 × 16 × 1 |
| SV009 | 19.0 | 33.0 | 11.5 | 1.5 | 16.15 | 15.35 | 2.38 | 9.5 | 5.375 | 6.3 | 5.97 | 4.1 | 4.875 | 1.41 | 11.3 | 8.6 | 3/4" FPT | 10 × 16 × 1 |
| SV012 | 19.0 | 33.0 | 11.5 | 1.5 | 16.15 | 15.35 | 2.38 | 9.5 | 5.25 | 6.43 | 6.31 | 4.1 | 4.75 | 1.14 | 11.3 | 8.6 | 3/4" FPT | 10 × 16 × 1 |
| SV015 (Cu) | 22.0 | 43.0 | 17.0 | 1.5 | 20.15 | 21.35 | 2.86 | 15.0 | 5.42 | 9.13 | 6.11 | 9.65 | 4.92 | 1.23 | 16.8 | 15.0 | 3/4" FPT | 16 × 20 × 1 |
| SV015 (CuNi) | 22.0 | 43.0 | 17.0 | 1.5 | 20.15 | 21.35 | 2.86 | 14.13* | 5.42 | 9.13 | 6.11 | 9.65 | 4.92 | 1.23 | 16.8 | 15.0 | 3/4" FPT | 16 × 20 × 1 |
| SV018 | 22.0 | 43.0 | 17.0 | 1.5 | 20.15 | 21.35 | 2.86 | 14.13 | 5.42 | 9.13 | 6.11 | 9.65 | 4.92 | 1.23 | 16.8 | 15.0 | 3/4" FPT | 16 × 20 × 1 |
| SV024 | 22.0 | 43.0 | 18.0 | 1.5 | 25.0 | 16.5 | 2.86 | 14.13 | 5.42 | 9.13 | 6.11 | 9.65 | 4.92 | 1.23 | 16.8 | 15.0 | 3/4" FPT | 16 × 25 × 1 |
| SV030 | 22.0 | 43.0 | 18.0 | 1.5 | 25.0 | 16.5 | 2.47 | 15.0 | 5.42 | 9.13 | 6.11 | 9.65 | 4.92 | 1.23 | 16.8 | 15.0 | 3/4" FPT | 16 × 25 × 1 |
| SV036 | 22.0 | 54.5 | 19.0 | 1.5 | 30.15 | 22.85 | 2.86 | 16.13 | 6.47 | 9.13 | 7.5 | 10.28 | 5.97 | 1.21 | 18.8 | 17.0 | 3/4" FPT | 18 × 30 × 1 |
| SV042 | 22.0 | 54.5 | 19.0 | 1.5 | 30.15 | 22.85 | 2.86 | 16.13 | 5.27 | 10.45 | 6.46 | 11.3 | 4.77 | 1.22 | 18.8 | 17.0 | 3/4" FPT | 18 × 30 × 1 |
| SV048 | 25.0 | 54.5 | 21.0 | 1.5 | 34.6 | 18.4 | 2.86 | 18.52 | 7.25 | 10.45 | 7.46 | 11.36 | 6.75 | 2.16 | 20.8 | 19.0 | 1" FPT | 20 × 34.5 × 5 × 1 |
| SV060 | 25.0 | 54.5 | 21.0 | 1.5 | 34.6 | 18.4 | 2.86 | 18.52 | 6.32 | 11.76 | 6.81 | 12.5 | 5.82 | 1.68 | 20.8 | 19.0 | 1" FPT | 20 × 34.5 × 5 × 1 |
| SV070 | 25.0 | 65.0 | 21.0 | 1.5 | 48.1 | 15.4 | 2.86 | 18.52 | 6.32 | 11.76 | 6.81 | 12.5 | 5.82 | 1.68 | 20.8 | 19.0 | 1" FPT | 20 × 24 × 1 (2) |

* LV015* is with CuNi water coil option

All dimensions within ±0.125". All condensate drain connections are 3/4" FPT. Specifications subject to change without notice. 1" filter rack extends 1.23" beyond the side of the unit. 2" filter rack extends 2.89" beyond the side of the unit. The 2" filter rack is 4 sided with a filter access door on one end and can accept either a 1" or 2" filter. LV015-070 can be field converted between end blow and straight through supply air configurations.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

Capacity Data SV007 (300 CFM)

| Cooling | | | | | | | | | Heating | | | | | | |
|--------------------------|------------------|-------------------------|------------------------------|------------------------|---------------------------|---------------------------|------------|------|---------------------------------------|-------------------------|------------------------|------------------------|----------------------------|------------------|-----|
| Entering Water Temp (°F) | Water flow (GPM) | Pressure Drop PSI (FOH) | Entering Air Temp DB/WB (°F) | Total Capacity (MBTUH) | Sensible Capacity (MBTUH) | Heat of Rejection (MBTUH) | Power (kW) | EER | Entering Fluid Temp (°F) | Pressure Drop PSI (FOH) | Entering Air Temp (°F) | Total Capacity (MBTUH) | Heat of Absorption (MBTUH) | Power Input (kW) | COP |
| 50 | 1.5 | 0.7 | 75/63 | 7.6 | 6.6 | 8.9 | 0.4 | 19.2 | 30 | 0.8 | 60 | 4.5 | 3.4 | 0.4 | 3.1 |
| | | | 80/67 | 8.1 | 6.9 | 9.4 | 0.4 | 20.6 | | | 70 | 4.3 | 3.2 | 0.5 | 2.8 |
| | | | 85/71 | 8.6 | 7.1 | 9.9 | 0.4 | 22.1 | | | 80 | 4.2 | 2.9 | 0.5 | 2.5 |
| | 2.3 | 1.5 | 75/63 | 7.8 | 6.7 | 9.1 | 0.4 | 21.2 | | 1.6 | 60 | 4.7 | 3.6 | 0.4 | 3.2 |
| | | | 80/67 | 8.3 | 7.0 | 9.6 | 0.4 | 23.0 | | | 70 | 4.5 | 3.3 | 0.5 | 2.9 |
| | | | 85/71 | 8.9 | 7.3 | 10.1 | 0.4 | 24.8 | | | 80 | 4.4 | 3.1 | 0.5 | 2.6 |
| | 3 | 2.5 | 75/63 | 7.9 | 6.7 | 9.2 | 0.4 | 22.3 | | 2.6 | 60 | 4.8 | 3.7 | 0.4 | 3.2 |
| | | | 80/67 | 8.5 | 7.0 | 9.7 | 0.3 | 24.3 | | | 70 | 4.6 | 3.4 | 0.5 | 2.9 |
| | | | 85/71 | 9.0 | 7.3 | 10.3 | 0.3 | 26.5 | | | 80 | 4.4 | 3.1 | 0.5 | 2.6 |
| 60 | 1.5 | 0.7 | 75/63 | 7.2 | 6.4 | 8.6 | 0.4 | 16.3 | 40 | 0.7 | 60 | 5.3 | 4.1 | 0.4 | 3.5 |
| | | | 80/67 | 7.6 | 6.7 | 9.1 | 0.4 | 17.4 | | | 70 | 5.1 | 3.9 | 0.5 | 3.2 |
| | | | 85/71 | 8.1 | 7.0 | 9.6 | 0.4 | 18.6 | | | 80 | 4.9 | 3.6 | 0.5 | 2.9 |
| | 2.3 | 1.5 | 75/63 | 7.4 | 6.5 | 8.8 | 0.4 | 17.8 | | 1.6 | 60 | 5.5 | 4.4 | 0.4 | 3.7 |
| | | | 80/67 | 7.9 | 6.8 | 9.3 | 0.4 | 19.2 | | | 70 | 5.3 | 4.1 | 0.5 | 3.3 |
| | | | 85/71 | 8.4 | 7.1 | 9.8 | 0.4 | 20.6 | | | 80 | 5.1 | 3.8 | 0.5 | 3.0 |
| | 3 | 2.4 | 75/63 | 7.5 | 6.5 | 8.8 | 0.4 | 18.6 | | 2.6 | 60 | 5.6 | 4.5 | 0.4 | 3.8 |
| | | | 80/67 | 8.0 | 6.9 | 9.4 | 0.4 | 20.2 | | | 70 | 5.4 | 4.2 | 0.5 | 3.4 |
| | | | 85/71 | 8.6 | 7.1 | 9.9 | 0.4 | 21.9 | | | 80 | 5.2 | 3.9 | 0.5 | 3.0 |
| 70 | 1.5 | 0.7 | 75/63 | 6.7 | 6.3 | 8.3 | 0.5 | 13.9 | 50 | 0.7 | 60 | 6.0 | 4.9 | 0.4 | 4.0 |
| | | | 80/67 | 7.2 | 6.5 | 8.8 | 0.5 | 14.8 | | | 70 | 5.9 | 4.6 | 0.5 | 3.6 |
| | | | 85/71 | 7.7 | 6.8 | 9.3 | 0.5 | 15.8 | | | 80 | 5.7 | 4.3 | 0.5 | 3.2 |
| | 2.3 | 1.4 | 75/63 | 6.9 | 6.3 | 8.4 | 0.5 | 15.0 | | 1.5 | 60 | 6.3 | 5.2 | 0.4 | 4.2 |
| | | | 80/67 | 7.4 | 6.6 | 8.9 | 0.5 | 16.2 | | | 70 | 6.1 | 4.9 | 0.5 | 3.7 |
| | | | 85/71 | 7.9 | 6.9 | 9.4 | 0.5 | 17.3 | | | 80 | 5.9 | 4.5 | 0.5 | 3.3 |
| | 3 | 2.4 | 75/63 | 7.0 | 6.4 | 8.5 | 0.4 | 15.7 | | 2.5 | 60 | 6.5 | 5.4 | 0.4 | 4.3 |
| | | | 80/67 | 7.6 | 6.6 | 9.0 | 0.4 | 16.9 | | | 70 | 6.3 | 5.0 | 0.5 | 3.8 |
| | | | 85/71 | 8.1 | 7.0 | 9.5 | 0.4 | 18.2 | | | 80 | 6.1 | 4.6 | 0.5 | 3.4 |
| 80 | 1.5 | 0.7 | 75/63 | 6.3 | 6.1 | 8.0 | 0.5 | 11.9 | 60 | 0.7 | 60 | 6.9 | 5.7 | 0.4 | 4.5 |
| | | | 80/67 | 6.7 | 6.4 | 8.4 | 0.5 | 12.6 | | | 70 | 6.6 | 5.4 | 0.5 | 4.0 |
| | | | 85/71 | 7.2 | 6.6 | 8.9 | 0.5 | 13.4 | | | 80 | 6.5 | 5.0 | 0.5 | 3.6 |
| | 2.3 | 1.4 | 75/63 | 6.5 | 6.1 | 8.1 | 0.5 | 12.8 | | 1.5 | 60 | 7.2 | 6.1 | 0.4 | 4.7 |
| | | | 80/67 | 7.0 | 6.4 | 8.6 | 0.5 | 13.7 | | | 70 | 7.0 | 5.7 | 0.5 | 4.2 |
| | | | 85/71 | 7.4 | 6.8 | 9.1 | 0.5 | 14.6 | | | 80 | 6.7 | 5.3 | 0.5 | 3.7 |
| | 3 | 2.3 | 75/63 | 6.6 | 6.2 | 8.2 | 0.5 | 13.3 | | 2.5 | 60 | 7.4 | 6.2 | 0.4 | 4.9 |
| | | | 80/67 | 7.1 | 6.5 | 8.7 | 0.5 | 14.3 | | | 70 | 7.1 | 5.9 | 0.5 | 4.3 |
| | | | 85/71 | 7.6 | 6.8 | 9.2 | 0.5 | 15.3 | | | 80 | 6.9 | 5.5 | 0.5 | 3.8 |
| 90 | 1.5 | 0.6 | 75/63 | 5.9 | 5.7 | 7.7 | 0.6 | 10.2 | 70 | 0.7 | 60 | 7.7 | 6.6 | 0.4 | 5.0 |
| | | | 80/67 | 6.3 | 6.0 | 8.1 | 0.6 | 10.8 | | | 70 | 7.5 | 6.2 | 0.5 | 4.5 |
| | | | 85/71 | 6.7 | 6.3 | 8.6 | 0.6 | 11.4 | | | 80 | 7.2 | 5.8 | 0.5 | 4.0 |
| | 2.3 | 1.4 | 75/63 | 6.1 | 5.8 | 7.8 | 0.6 | 10.9 | | 1.5 | 60 | 8.1 | 7.0 | 0.4 | 5.3 |
| | | | 80/67 | 6.5 | 6.3 | 8.3 | 0.6 | 11.6 | | | 70 | 7.8 | 6.6 | 0.5 | 4.7 |
| | | | 85/71 | 6.9 | 6.6 | 8.7 | 0.6 | 12.4 | | | 80 | 7.6 | 6.2 | 0.5 | 4.1 |
| | 3 | 2.3 | 75/63 | 6.1 | 6.0 | 7.9 | 0.5 | 11.2 | | 2.4 | 60 | 8.3 | 7.2 | 0.4 | 5.4 |
| | | | 80/67 | 6.6 | 6.3 | 8.3 | 0.5 | 12.0 | | | 70 | 8.0 | 6.8 | 0.5 | 4.8 |
| | | | 85/71 | 7.1 | 6.6 | 8.8 | 0.5 | 12.9 | | | 80 | 7.8 | 6.4 | 0.5 | 4.3 |
| 100 | 1.5 | 0.6 | 75/63 | 5.5 | 5.5 | 7.4 | 0.6 | 8.7 | 80 | 0.7 | 60 | 8.6 | 7.4 | 0.4 | 5.6 |
| | | | 80/67 | 5.8 | 5.8 | 7.8 | 0.6 | 9.2 | | | 70 | 8.3 | 7.0 | 0.5 | 5.0 |
| | | | 85/71 | 6.2 | 6.1 | 8.2 | 0.6 | 9.8 | | | 80 | 8.1 | 6.7 | 0.5 | 4.4 |
| | 2.3 | 1.3 | 75/63 | 5.6 | 5.6 | 7.5 | 0.6 | 9.3 | | 1.4 | 60 | 9.0 | 7.9 | 0.4 | 5.9 |
| | | | 80/67 | 6.0 | 5.9 | 7.9 | 0.6 | 9.9 | | | 70 | 8.7 | 7.5 | 0.5 | 5.2 |
| | | | 85/71 | 6.4 | 6.2 | 8.4 | 0.6 | 10.5 | | | 80 | 8.5 | 7.1 | 0.5 | 4.6 |
| | 3 | 2.3 | 75/63 | 5.7 | 5.6 | 7.6 | 0.6 | 9.5 | | 2.4 | 60 | 9.3 | 8.2 | 0.4 | 6.1 |
| | | | 80/67 | 6.1 | 5.9 | 8.0 | 0.6 | 10.2 | | | 70 | 9.0 | 7.7 | 0.5 | 5.3 |
| | | | 85/71 | 6.5 | 6.2 | 8.5 | 0.6 | 10.9 | | | 80 | 8.7 | 7.3 | 0.5 | 4.7 |
| 110 | 1.5 | 0.6 | 75/63 | 5.1 | 5.1 | 7.1 | 0.7 | 7.5 | Extended Range - Anti-freeze required | 0.7 | 60 | 8.6 | 7.4 | 0.4 | 5.6 |
| | | | 80/67 | 5.4 | 5.4 | 7.5 | 0.7 | 7.9 | | | 70 | 8.3 | 7.0 | 0.5 | 5.0 |
| | | | 85/71 | 5.8 | 5.8 | 7.9 | 0.7 | 8.4 | | | 80 | 8.1 | 6.7 | 0.5 | 4.4 |
| | 2.3 | 1.3 | 75/63 | 5.2 | 5.2 | 7.2 | 0.7 | 7.9 | | 1.4 | 60 | 9.0 | 7.9 | 0.4 | 5.9 |
| | | | 80/67 | 5.6 | 5.6 | 7.6 | 0.7 | 8.4 | | | 70 | 8.7 | 7.5 | 0.5 | 5.2 |
| | | | 85/71 | 5.9 | 5.9 | 8.0 | 0.7 | 8.9 | | | 80 | 8.5 | 7.1 | 0.5 | 4.6 |
| | 3 | 2.2 | 75/63 | 5.3 | 5.3 | 7.3 | 0.6 | 8.1 | | 2.4 | 60 | 9.3 | 8.2 | 0.4 | 6.1 |
| | | | 80/67 | 5.6 | 5.6 | 7.7 | 0.7 | 8.7 | | | 70 | 9.0 | 7.7 | 0.5 | 5.3 |
| | | | 85/71 | 6.0 | 6.0 | 8.1 | 0.7 | 9.2 | | | 80 | 8.7 | 7.3 | 0.5 | 4.7 |

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.
 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.
DISCLAIMER: The performance reported herein is 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 at the time of order, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

| Capacity Data SV009 HZ (300 CFM) | | | | | | | | | | | | | | | |
|----------------------------------|------------------|-------------------------|------------------------------|------------------------|---------------------------|---------------------------|------------|------|---------------------------------------|-------------------------|------------------------|------------------------|----------------------------|------------------|------|
| Cooling | | | | | | | | | Heating | | | | | | |
| Entering Water Temp (°F) | Water flow (GPM) | Pressure Drop PSI (FOH) | Entering Air Temp DB/WB (°F) | Total Capacity (MBTUH) | Sensible Capacity (MBTUH) | Heat of Rejection (MBTUH) | Power (kW) | EER | Entering Fluid Temp (°F) | Pressure Drop PSI (FOH) | Entering Air Temp (°F) | Total Capacity (MBTUH) | Heat of Absorption (MBTUH) | Power Input (kW) | COP |
| 50 | 1 | 1.0 | 75/63 | 8.6 | 6.9 | 10.4 | 0.5 | 16.0 | 30 | 1.1 | 60 | 6.0 | 4.5 | 0.6 | 3.16 |
| | | | 80/67 | 9.1 | 7.1 | 11.0 | 0.5 | 16.9 | | | 70 | 5.9 | 4.2 | 0.6 | 2.91 |
| | | | 85/71 | 9.7 | 7.3 | 11.5 | 0.5 | 17.9 | | | 80 | 5.8 | 4.0 | 0.6 | 2.68 |
| | 1.5 | 2.1 | 75/63 | 9.0 | 7.0 | 10.6 | 0.5 | 18.5 | | 2.2 | 60 | 6.4 | 4.8 | 0.6 | 3.33 |
| | | | 80/67 | 9.6 | 7.3 | 11.2 | 0.5 | 19.8 | | | 70 | 6.3 | 4.6 | 0.6 | 3.03 |
| | | | 85/71 | 10.2 | 7.5 | 11.9 | 0.5 | 21.1 | | | 80 | 6.2 | 4.3 | 0.6 | 2.79 |
| | 2.5 | 5.2 | 75/63 | 9.3 | 7.2 | 10.8 | 0.4 | 21.0 | | 5.5 | 60 | 6.8 | 5.2 | 0.6 | 3.5 |
| | | | 80/67 | 9.9 | 7.4 | 11.5 | 0.4 | 22.7 | | | 70 | 6.6 | 4.9 | 0.6 | 3.17 |
| | | | 85/71 | 10.6 | 7.7 | 12.1 | 0.4 | 24.6 | | | 80 | 6.5 | 4.6 | 0.7 | 2.9 |
| 60 | 1 | 1.0 | 75/63 | 7.8 | 6.9 | 9.9 | 0.6 | 13.3 | 40 | 1.1 | 60 | 6.9 | 5.3 | 0.6 | 3.56 |
| | | | 80/67 | 8.3 | 7.2 | 10.4 | 0.6 | 13.9 | | | 70 | 6.8 | 5.1 | 0.6 | 3.23 |
| | | | 85/71 | 8.7 | 7.4 | 10.9 | 0.6 | 14.6 | | | 80 | 6.7 | 4.8 | 0.7 | 2.97 |
| | 1.5 | 2.1 | 75/63 | 8.3 | 7.1 | 10.2 | 0.5 | 15.3 | | 2.2 | 60 | 7.4 | 5.8 | 0.6 | 3.75 |
| | | | 80/67 | 9.1 | 7.1 | 10.9 | 0.5 | 16.7 | | | 70 | 7.2 | 5.5 | 0.6 | 3.4 |
| | | | 85/71 | 9.7 | 7.3 | 11.5 | 0.5 | 17.8 | | | 80 | 7.1 | 5.2 | 0.7 | 3.1 |
| | 2.5 | 5.1 | 75/63 | 8.8 | 7.0 | 10.5 | 0.5 | 17.6 | | 5.4 | 60 | 7.9 | 6.2 | 0.6 | 3.94 |
| | | | 80/67 | 9.5 | 7.2 | 11.2 | 0.5 | 19.0 | | | 70 | 7.7 | 5.9 | 0.6 | 3.57 |
| | | | 85/71 | 10.1 | 7.5 | 11.8 | 0.5 | 20.4 | | | 80 | 7.5 | 5.6 | 0.7 | 3.23 |
| 70 | 1 | 1.0 | 75/63 | 7.4 | 6.7 | 9.6 | 0.6 | 11.4 | 50 | 1.1 | 60 | 7.8 | 6.2 | 0.6 | 3.93 |
| | | | 80/67 | 7.8 | 7.0 | 10.1 | 0.7 | 12.0 | | | 70 | 7.7 | 5.9 | 0.6 | 3.58 |
| | | | 85/71 | 8.3 | 7.3 | 10.6 | 0.7 | 12.6 | | | 80 | 7.6 | 5.6 | 0.7 | 3.26 |
| | 1.5 | 2.0 | 75/63 | 7.7 | 6.9 | 9.8 | 0.6 | 12.9 | | 2.1 | 60 | 8.4 | 6.8 | 0.6 | 4.17 |
| | | | 80/67 | 8.2 | 7.1 | 10.3 | 0.6 | 13.6 | | | 70 | 8.3 | 6.4 | 0.6 | 3.78 |
| | | | 85/71 | 8.7 | 7.4 | 10.9 | 0.6 | 14.4 | | | 80 | 8.1 | 6.1 | 0.7 | 3.43 |
| | 2.5 | 5.0 | 75/63 | 8.0 | 7.0 | 10.0 | 0.6 | 14.3 | | 5.3 | 60 | 9.0 | 7.3 | 0.6 | 4.41 |
| | | | 80/67 | 8.7 | 7.3 | 10.7 | 0.6 | 15.6 | | | 70 | 8.8 | 6.9 | 0.6 | 3.96 |
| | | | 85/71 | 9.6 | 7.3 | 11.5 | 0.6 | 17.1 | | | 80 | 8.6 | 6.5 | 0.7 | 3.59 |
| 80 | 1 | 1.0 | 75/63 | 6.8 | 6.5 | 9.2 | 0.7 | 9.8 | 60 | 1.0 | 60 | 8.4 | 6.8 | 0.6 | 4.27 |
| | | | 80/67 | 8.1 | 5.6 | 10.2 | 0.7 | 11.3 | | | 70 | 8.3 | 6.5 | 0.6 | 3.85 |
| | | | 85/71 | 7.6 | 7.0 | 10.2 | 0.7 | 10.7 | | | 80 | 8.2 | 6.2 | 0.7 | 3.5 |
| | 1.5 | 2.0 | 75/63 | 7.9 | 5.7 | 9.9 | 0.7 | 11.9 | | 2.1 | 60 | 9.1 | 7.4 | 0.6 | 4.54 |
| | | | 80/67 | 7.7 | 7.0 | 10.0 | 0.7 | 11.7 | | | 70 | 8.9 | 7.1 | 0.6 | 4.07 |
| | | | 85/71 | 8.2 | 7.2 | 10.6 | 0.7 | 12.3 | | | 80 | 8.7 | 6.7 | 0.7 | 3.68 |
| | 2.5 | 4.9 | 75/63 | 7.6 | 6.8 | 9.7 | 0.6 | 12.1 | | 5.2 | 60 | 9.7 | 8.0 | 0.6 | 4.8 |
| | | | 80/67 | 8.1 | 7.1 | 10.3 | 0.6 | 12.9 | | | 70 | 9.4 | 7.6 | 0.6 | 4.28 |
| | | | 85/71 | 8.6 | 7.4 | 10.8 | 0.6 | 13.7 | | | 80 | 9.2 | 7.2 | 0.7 | 3.85 |
| 90 | 1 | 0.9 | 75/63 | 6.6 | 6.1 | 9.0 | 0.8 | 8.7 | 70 | 1.0 | 60 | 9.4 | 7.8 | 0.6 | 4.68 |
| | | | 80/67 | 7.1 | 6.4 | 9.5 | 0.8 | 9.2 | | | 70 | 9.2 | 7.4 | 0.6 | 4.21 |
| | | | 85/71 | 7.2 | 6.9 | 9.9 | 0.8 | 9.3 | | | 80 | 9.0 | 7.1 | 0.7 | 3.8 |
| | 1.5 | 1.9 | 75/63 | 6.9 | 6.2 | 9.2 | 0.7 | 9.6 | | 2.1 | 60 | 10.1 | 8.5 | 0.6 | 4.99 |
| | | | 80/67 | 7.1 | 6.7 | 9.5 | 0.7 | 9.8 | | | 70 | 9.9 | 8.1 | 0.6 | 4.46 |
| | | | 85/71 | 8.3 | 5.6 | 10.5 | 0.7 | 11.4 | | | 80 | 9.7 | 7.7 | 0.7 | 4.01 |
| | 2.5 | 4.8 | 75/63 | 6.8 | 6.5 | 9.2 | 0.7 | 10.0 | | 5.1 | 60 | 10.8 | 9.2 | 0.6 | 5.3 |
| | | | 80/67 | 7.3 | 6.8 | 9.7 | 0.7 | 10.6 | | | 70 | 10.5 | 8.7 | 0.7 | 4.71 |
| | | | 85/71 | 7.7 | 7.1 | 10.1 | 0.7 | 11.2 | | | 80 | 10.3 | 8.3 | 0.7 | 4.21 |
| 100 | 1 | 0.9 | 75/63 | 6.2 | 5.9 | 8.8 | 0.8 | 7.6 | 80 | 1.0 | 60 | 10.4 | 8.7 | 0.6 | 5.11 |
| | | | 80/67 | 6.6 | 6.2 | 9.3 | 0.8 | 8.0 | | | 70 | 10.2 | 8.4 | 0.7 | 4.57 |
| | | | 85/71 | 6.8 | 6.8 | 9.6 | 0.8 | 8.2 | | | 80 | 10.0 | 8.0 | 0.7 | 4.11 |
| | 1.5 | 1.9 | 75/63 | 6.5 | 6.1 | 8.9 | 0.8 | 8.3 | | 2.0 | 60 | 11.2 | 9.5 | 0.6 | 5.46 |
| | | | 80/67 | 6.9 | 6.3 | 9.4 | 0.8 | 8.8 | | | 70 | 10.9 | 9.1 | 0.7 | 4.86 |
| | | | 85/71 | 7.2 | 6.9 | 9.9 | 0.8 | 9.1 | | | 80 | 10.7 | 8.7 | 0.7 | 4.35 |
| | 2.5 | 4.7 | 75/63 | 6.7 | 6.1 | 9.1 | 0.7 | 9.0 | | 5.0 | 60 | 12.0 | 10.3 | 0.6 | 5.82 |
| | | | 80/67 | 7.5 | 5.7 | 9.8 | 0.8 | 10.0 | | | 70 | 11.7 | 9.8 | 0.7 | 5.14 |
| | | | 85/71 | 8.1 | 5.6 | 10.4 | 0.8 | 10.7 | | | 80 | 11.4 | 9.3 | 0.7 | 4.57 |
| 110 | 1 | 0.9 | 75/63 | 5.8 | 5.8 | 8.6 | 0.9 | 6.6 | Extended Range - Anti-freeze required | 1.0 | 60 | 10.4 | 8.7 | 0.6 | 5.11 |
| | | | 80/67 | 6.1 | 6.0 | 9.0 | 0.9 | 6.9 | | | 70 | 10.2 | 8.4 | 0.7 | 4.57 |
| | | | 85/71 | 6.6 | 6.2 | 9.4 | 0.9 | 7.3 | | | 80 | 10.0 | 8.0 | 0.7 | 4.11 |
| | 1.5 | 1.9 | 75/63 | 6.0 | 5.9 | 8.7 | 0.8 | 7.1 | | 2.0 | 60 | 11.2 | 9.5 | 0.6 | 5.46 |
| | | | 80/67 | 6.4 | 6.1 | 9.1 | 0.9 | 7.5 | | | 70 | 10.9 | 9.1 | 0.7 | 4.86 |
| | | | 85/71 | 6.9 | 6.4 | 9.6 | 0.9 | 8.0 | | | 80 | 10.7 | 8.7 | 0.7 | 4.35 |
| | 2.5 | 4.6 | 75/63 | 6.2 | 6.0 | 8.8 | 0.8 | 7.7 | | 5.0 | 60 | 12.0 | 10.3 | 0.6 | 5.82 |
| | | | 80/67 | 6.7 | 6.2 | 9.3 | 0.8 | 8.2 | | | 70 | 11.7 | 9.8 | 0.7 | 5.14 |
| | | | 85/71 | 6.9 | 6.8 | 9.7 | 0.8 | 8.4 | | | 80 | 11.4 | 9.3 | 0.7 | 4.57 |

Extended Range - Anti-freeze required
 AHR/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.
 Tabulated unit performance does not include fan or pump power corrections required for AHR/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.
DISCLAIMER: The performance reported herein is 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 at the time of order, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

| Capacity Data SV009 VT (330 CFM) | | | | | | | | | | | | | | | |
|----------------------------------|------------------|-------------------------|------------------------------|------------------------|---------------------------|---------------------------|------------|------|--------------------------|-------------------------|------------------------|------------------------|----------------------------|------------------|------|
| Cooling | | | | | | | | | Heating | | | | | | |
| Entering Water Temp (°F) | Water flow (GPM) | Pressure Drop PSI (FOH) | Entering Air Temp DB/WB (°F) | Total Capacity (MBTUH) | Sensible Capacity (MBTUH) | Heat of Rejection (MBTUH) | Power (kW) | EER | Entering Fluid Temp (°F) | Pressure Drop PSI (FOH) | Entering Air Temp (°F) | Total Capacity (MBTUH) | Heat of Absorption (MBTUH) | Power Input (kW) | COP |
| 50 | 1 | 1.0 | 75/63 | 9.1 | 6.5 | 10.8 | 0.6 | 16.3 | 30 | 1.1 | 60 | 6.1 | 4.5 | 0.6 | 3.11 |
| | | | 80/67 | 8.9 | 7.8 | 10.9 | 0.6 | 16.0 | | | 70 | 6.0 | 4.3 | 0.6 | 2.87 |
| | | | 85/71 | 9.4 | 8.1 | 11.5 | 0.6 | 16.8 | | | 80 | 6.0 | 4.0 | 0.7 | 2.64 |
| | 1.5 | 2.1 | 75/63 | 8.8 | 7.7 | 10.7 | 0.5 | 17.6 | | 2.2 | 60 | 6.5 | 4.9 | 0.6 | 3.28 |
| | | | 80/67 | 9.4 | 8.0 | 11.2 | 0.5 | 18.7 | | | 70 | 6.4 | 4.6 | 0.6 | 2.99 |
| | | | 85/71 | 9.9 | 8.3 | 11.8 | 0.5 | 19.9 | | | 80 | 6.3 | 4.3 | 0.7 | 2.75 |
| | 2.5 | 5.2 | 75/63 | 9.9 | 7.0 | 11.3 | 0.5 | 21.6 | | 5.5 | 60 | 6.9 | 5.2 | 0.6 | 3.44 |
| | | | 80/67 | 9.8 | 8.1 | 11.5 | 0.5 | 21.7 | | | 70 | 6.7 | 4.9 | 0.6 | 3.12 |
| | | | 85/71 | 11.3 | 7.1 | 12.6 | 0.4 | 25.6 | | | 80 | 6.6 | 4.6 | 0.7 | 2.86 |
| 60 | 1 | 1.0 | 75/63 | 8.1 | 7.3 | 10.2 | 0.6 | 13.3 | 40 | 1.1 | 60 | 7.0 | 5.4 | 0.6 | 3.49 |
| | | | 80/67 | 8.4 | 7.6 | 10.6 | 0.6 | 13.7 | | | 70 | 6.9 | 5.1 | 0.6 | 3.18 |
| | | | 85/71 | 8.8 | 7.9 | 11.1 | 0.6 | 14.3 | | | 80 | 6.8 | 4.8 | 0.7 | 2.93 |
| | 1.5 | 2.1 | 75/63 | 8.4 | 7.5 | 10.4 | 0.6 | 14.9 | | 2.2 | 60 | 7.5 | 5.8 | 0.6 | 3.69 |
| | | | 80/67 | 8.9 | 7.8 | 10.9 | 0.6 | 15.8 | | | 70 | 7.4 | 5.5 | 0.6 | 3.36 |
| | | | 85/71 | 9.4 | 8.1 | 11.5 | 0.6 | 16.7 | | | 80 | 7.2 | 5.2 | 0.7 | 3.05 |
| | 2.5 | 5.1 | 75/63 | 8.7 | 7.6 | 10.6 | 0.5 | 16.8 | | 5.4 | 60 | 8.0 | 6.3 | 0.6 | 3.9 |
| | | | 80/67 | 9.3 | 7.9 | 11.2 | 0.5 | 18.0 | | | 70 | 7.8 | 5.9 | 0.7 | 3.53 |
| | | | 85/71 | 9.9 | 8.2 | 11.8 | 0.5 | 19.3 | | | 80 | 7.7 | 5.6 | 0.7 | 3.2 |
| 70 | 1 | 1.0 | 75/63 | 7.8 | 6.9 | 10.0 | 0.7 | 11.6 | 50 | 1.1 | 60 | 8.0 | 6.3 | 0.6 | 3.88 |
| | | | 80/67 | 8.3 | 7.2 | 10.5 | 0.7 | 12.2 | | | 70 | 7.9 | 6.0 | 0.7 | 3.54 |
| | | | 85/71 | 8.8 | 7.4 | 11.1 | 0.7 | 12.8 | | | 80 | 7.7 | 5.7 | 0.7 | 3.23 |
| | 1.5 | 2.0 | 75/63 | 8.2 | 7.1 | 10.2 | 0.6 | 13.1 | | 2.2 | 60 | 8.6 | 6.8 | 0.6 | 4.12 |
| | | | 80/67 | 8.4 | 7.6 | 10.6 | 0.6 | 13.4 | | | 70 | 8.4 | 6.5 | 0.7 | 3.73 |
| | | | 85/71 | 8.8 | 7.9 | 11.1 | 0.6 | 14.1 | | | 80 | 8.2 | 6.1 | 0.7 | 3.39 |
| | 2.5 | 5.0 | 75/63 | 8.9 | 6.4 | 10.7 | 0.6 | 15.4 | | 5.3 | 60 | 9.1 | 7.4 | 0.6 | 4.37 |
| | | | 80/67 | 8.8 | 7.7 | 10.9 | 0.6 | 15.1 | | | 70 | 8.9 | 7.0 | 0.7 | 3.92 |
| | | | 85/71 | 9.3 | 8.0 | 11.4 | 0.6 | 16.1 | | | 80 | 8.7 | 6.6 | 0.7 | 3.55 |
| 80 | 1 | 1.0 | 75/63 | 7.3 | 6.8 | 9.7 | 0.7 | 10.0 | 60 | 1.0 | 60 | 8.7 | 7.0 | 0.6 | 4.2 |
| | | | 80/67 | 7.8 | 7.0 | 10.2 | 0.7 | 10.5 | | | 70 | 8.6 | 6.7 | 0.7 | 3.79 |
| | | | 85/71 | 8.3 | 7.3 | 10.7 | 0.7 | 11.0 | | | 80 | 8.5 | 6.4 | 0.7 | 3.45 |
| | 1.5 | 2.0 | 75/63 | 7.7 | 6.9 | 9.9 | 0.7 | 11.2 | | 2.1 | 60 | 9.4 | 7.6 | 0.6 | 4.48 |
| | | | 80/67 | 8.2 | 7.2 | 10.5 | 0.7 | 11.9 | | | 70 | 9.2 | 7.3 | 0.7 | 4.01 |
| | | | 85/71 | 8.7 | 7.4 | 11.0 | 0.7 | 12.6 | | | 80 | 9.0 | 6.9 | 0.7 | 3.63 |
| | 2.5 | 4.9 | 75/63 | 8.0 | 7.0 | 10.1 | 0.6 | 12.4 | | 5.2 | 60 | 10.0 | 8.3 | 0.6 | 4.75 |
| | | | 80/67 | 8.6 | 7.3 | 10.7 | 0.6 | 13.2 | | | 70 | 9.8 | 7.8 | 0.7 | 4.24 |
| | | | 85/71 | 8.7 | 7.8 | 11.0 | 0.6 | 13.5 | | | 80 | 9.5 | 7.4 | 0.7 | 3.8 |
| 90 | 1 | 0.9 | 75/63 | 6.7 | 6.5 | 9.3 | 0.8 | 8.4 | 70 | 1.0 | 60 | 9.7 | 8.0 | 0.6 | 4.61 |
| | | | 80/67 | 7.2 | 6.8 | 9.8 | 0.8 | 8.9 | | | 70 | 9.5 | 7.6 | 0.7 | 4.15 |
| | | | 85/71 | 7.6 | 7.0 | 10.3 | 0.8 | 9.3 | | | 80 | 9.4 | 7.3 | 0.7 | 3.74 |
| | 1.5 | 1.9 | 75/63 | 7.1 | 6.7 | 9.5 | 0.8 | 9.3 | | 2.1 | 60 | 10.4 | 8.7 | 0.6 | 4.93 |
| | | | 80/67 | 7.5 | 6.9 | 10.0 | 0.8 | 9.9 | | | 70 | 10.2 | 8.3 | 0.7 | 4.4 |
| | | | 85/71 | 8.0 | 7.2 | 10.5 | 0.8 | 10.4 | | | 80 | 10.0 | 7.9 | 0.7 | 3.95 |
| | 2.5 | 4.8 | 75/63 | 7.3 | 6.8 | 9.7 | 0.7 | 10.2 | | 5.1 | 60 | 11.2 | 9.4 | 0.6 | 5.25 |
| | | | 80/67 | 7.8 | 7.0 | 10.2 | 0.7 | 10.9 | | | 70 | 10.9 | 9.0 | 0.7 | 4.66 |
| | | | 85/71 | 8.4 | 7.3 | 10.7 | 0.7 | 11.6 | | | 80 | 10.7 | 8.5 | 0.8 | 4.16 |
| 100 | 1 | 0.9 | 75/63 | 6.3 | 6.3 | 9.0 | 0.9 | 7.3 | 80 | 1.0 | 60 | 10.7 | 8.9 | 0.6 | 5.04 |
| | | | 80/67 | 6.7 | 6.7 | 9.5 | 0.9 | 7.7 | | | 70 | 10.5 | 8.6 | 0.7 | 4.51 |
| | | | 85/71 | 7.1 | 6.9 | 10.0 | 0.9 | 8.1 | | | 80 | 10.3 | 8.2 | 0.7 | 4.05 |
| | 1.5 | 1.9 | 75/63 | 6.6 | 6.5 | 9.2 | 0.8 | 8.0 | | 2.0 | 60 | 11.5 | 9.8 | 0.6 | 5.4 |
| | | | 80/67 | 7.0 | 6.8 | 9.7 | 0.8 | 8.5 | | | 70 | 11.3 | 9.4 | 0.7 | 4.8 |
| | | | 85/71 | 7.5 | 7.0 | 10.2 | 0.8 | 9.0 | | | 80 | 11.1 | 8.9 | 0.8 | 4.29 |
| | 2.5 | 4.7 | 75/63 | 6.8 | 6.6 | 9.4 | 0.8 | 8.7 | | 5.0 | 60 | 12.4 | 10.7 | 0.6 | 5.78 |
| | | | 80/67 | 7.3 | 6.8 | 9.9 | 0.8 | 9.3 | | | 70 | 12.1 | 10.1 | 0.7 | 5.1 |
| | | | 85/71 | 7.8 | 7.1 | 10.4 | 0.8 | 9.9 | | | 80 | 11.8 | 9.6 | 0.8 | 4.53 |
| 110 | 1 | 0.9 | 75/63 | 6.0 | 6.0 | 8.9 | 0.9 | 6.4 | | | | | | | |
| | | | 80/67 | 6.3 | 6.3 | 9.3 | 0.9 | 6.7 | | | | | | | |
| | | | 85/71 | 6.7 | 6.7 | 9.7 | 0.9 | 7.0 | | | | | | | |
| | 1.5 | 1.9 | 75/63 | 6.2 | 6.2 | 9.0 | 0.9 | 7.0 | | | | | | | |
| | | | 80/67 | 6.5 | 6.5 | 9.4 | 0.9 | 7.3 | | | | | | | |
| | | | 85/71 | 7.0 | 6.7 | 9.9 | 0.9 | 7.7 | | | | | | | |
| | 2.5 | 4.6 | 75/63 | 6.4 | 6.4 | 9.1 | 0.9 | 7.5 | | | | | | | |
| | | | 80/67 | 6.8 | 6.7 | 9.6 | 0.9 | 7.9 | | | | | | | |
| | | | 85/71 | 7.3 | 6.9 | 10.1 | 0.9 | 8.4 | | | | | | | |

Extended Range - Anti-freeze required

AHR/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHR/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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Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

| Capacity Data SV012 (375 CFM) | | | | | | | | | | | | | | | | |
|-------------------------------|------------------|-------------------------|------------------------------|------------------------|---------------------------|---------------------------|------------|------|--------------------------|-------------------------|------------------------|------------------------|----------------------------|------------------|-----|--|
| Cooling | | | | | | | | | Heating | | | | | | | |
| Entering Water Temp (°F) | Water flow (GPM) | Pressure Drop PSI (FOH) | Entering Air Temp DB/WB (°F) | Total Capacity (MBTUH) | Sensible Capacity (MBTUH) | Heat of Rejection (MBTUH) | Power (kW) | EER | Entering Fluid Temp (°F) | Pressure Drop PSI (FOH) | Entering Air Temp (°F) | Total Capacity (MBTUH) | Heat of Absorption (MBTUH) | Power Input (kW) | COP | |
| 50 | 1.5 | 1.2 | 75/63 | 11.9 | 9.2 | 14.4 | 7.3 | 16.3 | 30 | 1.3 | 60 | 7.7 | 5.6 | 0.8 | 2.9 | |
| | | | 80/67 | 12.7 | 9.5 | 15.2 | 7.4 | 17.2 | | | 70 | 7.6 | 5.3 | 0.8 | 2.7 | |
| | | | 85/71 | 13.5 | 9.9 | 16.0 | 7.5 | 18.1 | | | 80 | 7.5 | 4.9 | 0.9 | 2.5 | |
| | 2.3 | 2.5 | 75/63 | 12.4 | 9.4 | 14.7 | 6.7 | 18.5 | | 2.7 | 60 | 8.1 | 6.0 | 0.8 | 3.1 | |
| | | | 80/67 | 13.3 | 9.7 | 15.6 | 6.7 | 19.8 | | | 70 | 7.9 | 5.6 | 0.8 | 2.8 | |
| | | | 85/71 | 14.1 | 10.0 | 16.4 | 6.7 | 21.1 | | | 80 | 7.8 | 5.2 | 0.9 | 2.6 | |
| | 3 | 4.1 | 75/63 | 12.7 | 9.5 | 14.9 | 6.4 | 19.9 | | 4.4 | 60 | 8.4 | 6.2 | 0.8 | 3.1 | |
| | | | 80/67 | 13.5 | 9.8 | 15.7 | 6.3 | 21.4 | | | 70 | 8.2 | 5.8 | 0.8 | 2.9 | |
| | | | 85/71 | 14.4 | 10.2 | 16.6 | 6.3 | 22.9 | | | 80 | 8.0 | 5.4 | 0.9 | 2.6 | |
| 60 | 1.5 | 1.1 | 75/63 | 11.3 | 9.0 | 14.0 | 8.1 | 14.0 | 40 | 1.2 | 60 | 8.9 | 6.6 | 0.8 | 3.3 | |
| | | | 80/67 | 12.1 | 9.3 | 14.8 | 8.2 | 14.8 | | | 70 | 8.7 | 6.2 | 0.9 | 3.0 | |
| | | | 85/71 | 12.8 | 9.5 | 15.6 | 8.3 | 15.5 | | | 80 | 8.5 | 5.9 | 0.9 | 2.7 | |
| | 2.3 | 2.5 | 75/63 | 11.8 | 9.1 | 14.3 | 7.5 | 15.8 | | 2.6 | 60 | 9.4 | 7.1 | 0.8 | 3.4 | |
| | | | 80/67 | 12.6 | 9.5 | 15.1 | 7.5 | 16.8 | | | 70 | 9.1 | 6.7 | 0.9 | 3.1 | |
| | | | 85/71 | 13.4 | 9.8 | 16.0 | 7.6 | 17.8 | | | 80 | 8.9 | 6.3 | 0.9 | 2.8 | |
| | 3 | 4.0 | 75/63 | 12.0 | 9.2 | 14.5 | 7.2 | 16.8 | | 4.3 | 60 | 9.6 | 7.4 | 0.8 | 3.5 | |
| | | | 80/67 | 12.9 | 9.6 | 15.3 | 7.2 | 17.9 | | | 70 | 9.4 | 6.9 | 0.9 | 3.2 | |
| | | | 85/71 | 13.7 | 9.9 | 16.2 | 7.2 | 19.2 | | | 80 | 9.1 | 6.5 | 0.9 | 2.9 | |
| 70 | 1.5 | 1.1 | 75/63 | 10.7 | 8.7 | 13.7 | 8.9 | 12.1 | 50 | 1.2 | 60 | 10.0 | 7.7 | 0.8 | 3.6 | |
| | | | 80/67 | 11.4 | 9.0 | 14.4 | 9.0 | 12.7 | | | 70 | 9.8 | 7.3 | 0.9 | 3.3 | |
| | | | 85/71 | 12.2 | 9.3 | 15.2 | 9.1 | 13.4 | | | 80 | 9.6 | 6.9 | 0.9 | 3.0 | |
| | 2.3 | 2.4 | 75/63 | 11.2 | 8.9 | 13.9 | 8.3 | 13.5 | | 2.5 | 60 | 10.6 | 8.3 | 0.8 | 3.8 | |
| | | | 80/67 | 11.9 | 9.2 | 14.7 | 8.4 | 14.3 | | | 70 | 10.3 | 7.8 | 0.9 | 3.4 | |
| | | | 85/71 | 12.7 | 9.6 | 15.6 | 8.4 | 15.1 | | | 80 | 10.1 | 7.4 | 1.0 | 3.1 | |
| | 3 | 3.8 | 75/63 | 11.4 | 9.0 | 14.1 | 8.0 | 14.2 | | 4.1 | 60 | 11.0 | 8.6 | 0.8 | 3.9 | |
| | | | 80/67 | 12.2 | 9.3 | 14.9 | 8.0 | 15.2 | | | 70 | 10.7 | 8.1 | 0.9 | 3.5 | |
| | | | 85/71 | 13.0 | 9.7 | 15.7 | 8.0 | 16.2 | | | 80 | 10.4 | 7.6 | 1.0 | 3.2 | |
| 80 | 1.5 | 1.1 | 75/63 | 10.1 | 8.4 | 13.3 | 9.7 | 10.5 | 60 | 1.1 | 60 | 11.2 | 8.9 | 0.8 | 4.0 | |
| | | | 80/67 | 10.8 | 8.7 | 14.0 | 9.8 | 11.0 | | | 70 | 11.0 | 8.4 | 0.9 | 3.6 | |
| | | | 85/71 | 11.5 | 9.1 | 14.8 | 9.9 | 11.5 | | | 80 | 10.8 | 8.0 | 1.0 | 3.3 | |
| | 2.3 | 2.3 | 75/63 | 10.5 | 8.6 | 13.5 | 9.1 | 11.6 | | 2.5 | 60 | 12.0 | 9.6 | 0.8 | 4.2 | |
| | | | 80/67 | 11.3 | 8.9 | 14.3 | 9.2 | 12.3 | | | 70 | 11.7 | 9.1 | 0.9 | 3.8 | |
| | | | 85/71 | 12.0 | 9.3 | 15.1 | 9.3 | 12.9 | | | 80 | 11.4 | 8.5 | 1.0 | 3.4 | |
| | 3 | 3.7 | 75/63 | 10.7 | 8.7 | 13.7 | 8.8 | 12.2 | | 4.0 | 60 | 12.3 | 10.0 | 0.8 | 4.3 | |
| | | | 80/67 | 11.5 | 9.0 | 14.5 | 8.9 | 13.0 | | | 70 | 12.1 | 9.4 | 0.9 | 3.9 | |
| | | | 85/71 | 12.3 | 9.3 | 15.3 | 8.9 | 13.8 | | | 80 | 11.7 | 8.9 | 1.0 | 3.5 | |
| 90 | 1.5 | 1.0 | 75/63 | 9.5 | 8.2 | 12.9 | 10.5 | 9.1 | 70 | 1.1 | 60 | 12.5 | 10.1 | 0.8 | 4.3 | |
| | | | 80/67 | 10.1 | 8.5 | 13.6 | 10.6 | 9.5 | | | 70 | 12.2 | 9.6 | 0.9 | 3.9 | |
| | | | 85/71 | 10.8 | 8.9 | 14.4 | 10.8 | 10.0 | | | 80 | 12.0 | 9.1 | 1.0 | 3.5 | |
| | 2.3 | 2.2 | 75/63 | 9.9 | 8.3 | 13.2 | 9.9 | 10.0 | | 2.4 | 60 | 13.3 | 10.9 | 0.9 | 4.5 | |
| | | | 80/67 | 10.6 | 8.7 | 13.9 | 10.1 | 10.5 | | | 70 | 13.0 | 10.4 | 0.9 | 4.1 | |
| | | | 85/71 | 11.3 | 9.0 | 14.7 | 10.2 | 11.1 | | | 80 | 12.7 | 9.8 | 1.0 | 3.7 | |
| | 3 | 3.6 | 75/63 | 10.1 | 8.4 | 13.3 | 9.7 | 10.4 | | 3.8 | 60 | 13.8 | 11.4 | 0.9 | 4.7 | |
| | | | 80/67 | 10.8 | 8.8 | 14.0 | 9.8 | 11.1 | | | 70 | 13.5 | 10.8 | 0.9 | 4.2 | |
| | | | 85/71 | 11.5 | 9.2 | 14.8 | 9.9 | 11.7 | | | 80 | 13.1 | 10.2 | 1.0 | 3.8 | |
| 100 | 1.5 | 1.0 | 75/63 | 8.8 | 8.0 | 12.5 | 11.3 | 7.8 | 80 | 1.1 | 60 | 13.8 | 11.3 | 0.9 | 4.7 | |
| | | | 80/67 | 9.4 | 8.3 | 13.2 | 11.5 | 8.2 | | | 70 | 13.5 | 10.8 | 0.9 | 4.2 | |
| | | | 85/71 | 10.1 | 8.6 | 13.9 | 11.7 | 8.6 | | | 80 | 13.2 | 10.3 | 1.0 | 3.8 | |
| | 2.3 | 2.1 | 75/63 | 9.2 | 8.1 | 12.8 | 10.8 | 8.5 | | 2.3 | 60 | 14.7 | 12.3 | 0.9 | 4.9 | |
| | | | 80/67 | 9.9 | 8.4 | 13.5 | 11.0 | 9.0 | | | 70 | 14.4 | 11.7 | 1.0 | 4.4 | |
| | | | 85/71 | 10.6 | 8.8 | 14.2 | 11.1 | 9.5 | | | 80 | 14.1 | 11.1 | 1.0 | 4.0 | |
| | 3 | 3.4 | 75/63 | 9.4 | 8.2 | 12.9 | 10.6 | 8.9 | | 3.7 | 60 | 15.3 | 12.8 | 0.9 | 5.1 | |
| | | | 80/67 | 10.1 | 8.5 | 13.6 | 10.7 | 9.5 | | | 70 | 14.9 | 12.2 | 1.0 | 4.5 | |
| | | | 85/71 | 10.8 | 8.8 | 14.4 | 10.8 | 10.0 | | | | 14.5 | 11.5 | 1.0 | 4.1 | |
| 110 | 1.5 | 1.0 | 75/63 | 8.2 | 7.6 | 12.2 | 12.1 | 6.8 | | | | | | | | |
| | | | 80/67 | 8.8 | 8.0 | 12.8 | 12.4 | 7.1 | | | | | | | | |
| | | | 85/71 | 9.4 | 8.3 | 13.5 | 12.6 | 7.5 | | | | | | | | |
| | 2.3 | 2.1 | 75/63 | 8.5 | 7.8 | 12.3 | 11.7 | 7.3 | | | | | | | | |
| | | | 80/67 | 9.2 | 8.2 | 13.0 | 11.9 | 7.7 | | | | | | | | |
| | | | 85/71 | 9.8 | 8.5 | 13.8 | 12.0 | 8.2 | | | | | | | | |
| | 3 | 3.3 | 75/63 | 8.7 | 7.9 | 12.4 | 11.5 | 7.6 | | | | | | | | |
| | | | 80/67 | 9.3 | 8.3 | 13.2 | 11.6 | 8.0 | | | | | | | | |
| | | | 85/71 | 10.0 | 8.6 | 13.9 | 11.8 | 8.5 | | | | | | | | |

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

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.

DISCLAIMER: The performance reported herein is 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 at the time of order, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

| Capacity Data SV015 (375 CFM) | | | | | | | | | | | | | | | |
|-------------------------------|------------------|-------------------------|------------------------------|------------------------|---------------------------|---------------------------|------------|------|---------------------------------------|-------------------------|------------------------|------------------------|----------------------------|------------------|-----|
| Cooling | | | | | | | | | Heating | | | | | | |
| Entering Water Temp (°F) | Water flow (GPM) | Pressure Drop PSI (FOH) | Entering Air Temp DB/WB (°F) | Total Capacity (MBTUH) | Sensible Capacity (MBTUH) | Heat of Rejection (MBTUH) | Power (kW) | EER | Entering Fluid Temp (°F) | Pressure Drop PSI (FOH) | Entering Air Temp (°F) | Total Capacity (MBTUH) | Heat of Absorption (MBTUH) | Power Input (kW) | COP |
| 50 | 2 | 2.0 | 75/63 | 14.8 | 11.4 | 17.6 | 0.8 | 18.0 | 30 | 2.1 | 60 | 9.6 | 6.9 | 0.9 | 3.0 |
| | | | 80/67 | 15.8 | 11.9 | 18.6 | 0.8 | 19.2 | | | 70 | 9.4 | 6.5 | 1.0 | 2.7 |
| | | | 85/71 | 16.9 | 12.3 | 19.7 | 0.8 | 20.7 | | | 80 | 9.2 | 6.1 | 1.1 | 2.5 |
| | 3 | 4.1 | 75/63 | 15.3 | 11.7 | 17.9 | 0.8 | 20.3 | | 4.4 | 60 | 10.0 | 7.3 | 0.9 | 3.1 |
| | | | 80/67 | 16.4 | 12.1 | 18.9 | 0.7 | 21.9 | | | 70 | 9.8 | 6.6 | 1.0 | 2.8 |
| | | | 85/71 | 17.5 | 12.5 | 20.1 | 0.7 | 23.9 | | | 80 | 9.5 | 6.4 | 1.1 | 2.6 |
| | 4 | 6.9 | 75/63 | 15.6 | 11.8 | 18.1 | 0.7 | 21.6 | | 7.3 | 60 | 10.3 | 7.7 | 1.0 | 3.2 |
| | | | 80/67 | 16.7 | 12.2 | 19.1 | 0.7 | 23.5 | | | 70 | 10.0 | 7.0 | 1.0 | 2.9 |
| | | | 85/71 | 17.9 | 12.7 | 20.3 | 0.7 | 25.9 | | | 80 | 9.7 | 6.6 | 1.1 | 2.6 |
| 60 | 2 | 1.9 | 75/63 | 14.1 | 11.2 | 17.2 | 0.9 | 15.3 | 40 | 2.1 | 60 | 11.0 | 8.3 | 1.0 | 3.3 |
| | | | 80/67 | 15.0 | 11.6 | 18.1 | 0.9 | 16.3 | | | 70 | 10.8 | 7.7 | 1.0 | 3.0 |
| | | | 85/71 | 16.0 | 12.0 | 19.2 | 0.9 | 17.4 | | | 80 | 10.5 | 7.3 | 1.1 | 2.8 |
| | 3 | 4.1 | 75/63 | 14.6 | 11.3 | 17.5 | 0.9 | 17.0 | | 4.3 | 60 | 11.6 | 8.7 | 1.0 | 3.5 |
| | | | 80/67 | 15.6 | 11.7 | 18.5 | 0.9 | 18.3 | | | 70 | 11.3 | 8.1 | 1.1 | 3.1 |
| | | | 85/71 | 16.7 | 12.2 | 19.5 | 0.8 | 19.8 | | | 80 | 11.0 | 7.6 | 1.1 | 2.8 |
| | 4 | 6.8 | 75/63 | 14.8 | 11.4 | 17.6 | 0.8 | 18.1 | | 7.1 | 60 | 11.9 | 9.0 | 1.0 | 3.6 |
| | | | 80/67 | 15.9 | 11.9 | 18.7 | 0.8 | 19.5 | | | 70 | 11.6 | 8.4 | 1.1 | 3.2 |
| | | | 85/71 | 17.0 | 12.4 | 19.7 | 0.8 | 21.3 | | | 80 | 11.1 | 7.9 | 1.1 | 2.9 |
| 70 | 2 | 1.9 | 75/63 | 13.3 | 10.8 | 16.7 | 1.0 | 13.1 | 50 | 2.1 | 60 | 12.5 | 9.6 | 1.0 | 3.7 |
| | | | 80/67 | 14.2 | 11.3 | 17.7 | 1.0 | 13.9 | | | 70 | 12.2 | 9.1 | 1.1 | 3.3 |
| | | | 85/71 | 15.2 | 11.7 | 18.6 | 1.0 | 14.8 | | | 80 | 11.9 | 8.5 | 1.2 | 3.0 |
| | 3 | 4.0 | 75/63 | 13.8 | 11.0 | 17.0 | 1.0 | 14.4 | | 4.2 | 60 | 13.2 | 10.2 | 1.0 | 3.9 |
| | | | 80/67 | 14.8 | 11.4 | 18.0 | 1.0 | 15.5 | | | 70 | 12.9 | 9.6 | 1.1 | 3.5 |
| | | | 85/71 | 15.8 | 11.9 | 19.0 | 1.0 | 16.6 | | | 80 | 12.5 | 9.0 | 1.2 | 3.1 |
| | 4 | 6.6 | 75/63 | 14.0 | 11.1 | 17.2 | 0.9 | 15.2 | | 7.0 | 60 | 13.6 | 10.5 | 1.0 | 3.9 |
| | | | 80/67 | 15.1 | 11.5 | 18.2 | 0.9 | 16.4 | | | 70 | 13.2 | 9.9 | 1.1 | 3.5 |
| | | | 85/71 | 16.1 | 12.0 | 19.2 | 0.9 | 17.7 | | | 80 | 12.7 | 9.3 | 1.2 | 3.1 |
| 80 | 2 | 1.9 | 75/63 | 12.6 | 10.5 | 16.3 | 1.1 | 11.2 | 60 | 2.0 | 60 | 14.0 | 11.1 | 1.0 | 4.0 |
| | | | 80/67 | 13.4 | 11.0 | 17.2 | 1.1 | 11.9 | | | 70 | 13.7 | 10.5 | 1.1 | 3.6 |
| | | | 85/71 | 14.3 | 11.4 | 18.1 | 1.1 | 12.6 | | | 80 | 13.3 | 9.9 | 1.2 | 3.3 |
| | 3 | 3.9 | 75/63 | 13.0 | 10.7 | 16.6 | 1.1 | 12.3 | | 4.2 | 60 | 14.8 | 11.8 | 1.0 | 4.2 |
| | | | 80/67 | 14.0 | 11.1 | 17.5 | 1.1 | 13.1 | | | 70 | 14.4 | 11.2 | 1.1 | 3.7 |
| | | | 85/71 | 14.9 | 11.6 | 18.5 | 1.1 | 14.0 | | | 80 | 14.0 | 10.5 | 1.2 | 3.4 |
| | 4 | 6.5 | 75/63 | 13.3 | 10.8 | 16.7 | 1.0 | 12.9 | | 6.9 | 60 | 15.2 | 12.3 | 1.0 | 4.3 |
| | | | 80/67 | 14.2 | 11.2 | 17.7 | 1.0 | 13.8 | | | 70 | 14.8 | 11.4 | 1.1 | 3.8 |
| | | | 85/71 | 15.2 | 11.7 | 18.7 | 1.0 | 14.9 | | | 80 | 14.3 | 10.8 | 1.2 | 3.4 |
| 90 | 2 | 1.9 | 75/63 | 11.8 | 10.1 | 15.9 | 1.2 | 9.7 | 70 | 2.0 | 60 | 15.6 | 12.6 | 1.0 | 4.4 |
| | | | 80/67 | 12.6 | 10.6 | 16.7 | 1.2 | 10.2 | | | 70 | 15.2 | 11.9 | 1.1 | 3.9 |
| | | | 85/71 | 13.5 | 11.1 | 17.6 | 1.2 | 10.8 | | | 80 | 14.9 | 11.3 | 1.2 | 3.5 |
| | 3 | 3.8 | 75/63 | 12.3 | 10.3 | 16.1 | 1.2 | 10.5 | | 4.1 | 60 | 16.5 | 13.5 | 1.1 | 4.6 |
| | | | 80/67 | 13.1 | 10.8 | 17.0 | 1.2 | 11.2 | | | 70 | 16.0 | 12.8 | 1.1 | 4.1 |
| | | | 85/71 | 14.0 | 11.2 | 18.0 | 1.2 | 11.9 | | | 80 | 15.6 | 12.1 | 1.2 | 3.7 |
| | 4 | 6.4 | 75/63 | 12.5 | 10.4 | 16.2 | 1.1 | 11.0 | | 6.8 | 60 | 17.0 | 14.0 | 1.1 | 4.7 |
| | | | 80/67 | 13.4 | 10.9 | 17.2 | 1.1 | 11.7 | | | 70 | 16.5 | 13.3 | 1.2 | 4.2 |
| | | | 85/71 | 14.3 | 11.3 | 18.1 | 1.1 | 12.6 | | | 80 | 16.0 | 12.5 | 1.2 | 3.8 |
| 100 | 2 | 1.8 | 75/63 | 11.1 | 9.8 | 15.4 | 1.3 | 8.3 | 80 | 1.9 | 60 | 17.2 | 14.2 | 1.1 | 4.8 |
| | | | 80/67 | 11.8 | 10.2 | 16.3 | 1.3 | 8.8 | | | 70 | 16.8 | 13.5 | 1.2 | 4.3 |
| | | | 85/71 | 12.6 | 10.7 | 17.1 | 1.4 | 9.3 | | | 80 | 16.4 | 12.8 | 1.3 | 3.8 |
| | 3 | 3.7 | 75/63 | 11.4 | 10.0 | 15.6 | 1.3 | 9.0 | | 4.0 | 60 | 18.3 | 15.3 | 1.1 | 5.0 |
| | | | 80/67 | 12.3 | 10.4 | 16.5 | 1.3 | 9.6 | | | 70 | 17.7 | 14.5 | 1.2 | 4.5 |
| | | | 85/71 | 13.1 | 10.9 | 17.4 | 1.3 | 10.2 | | | 80 | 17.3 | 13.8 | 1.3 | 4.0 |
| | 4 | 6.2 | 75/63 | 11.6 | 10.1 | 15.8 | 1.2 | 9.3 | | 6.6 | 60 | 18.9 | 15.9 | 1.1 | 5.2 |
| | | | 80/67 | 12.5 | 10.5 | 16.7 | 1.3 | 10.0 | | | 70 | 18.3 | 15.0 | 1.2 | 4.6 |
| | | | 85/71 | 13.4 | 11.0 | 17.6 | 1.3 | 10.6 | | | 80 | 17.8 | 14.2 | 1.3 | 4.1 |
| 110 | 2 | 1.8 | 75/63 | 10.3 | 9.4 | 15.0 | 1.4 | 7.2 | Extended Range - Anti-freeze required | 1.9 | 60 | 17.2 | 14.2 | 1.1 | 4.8 |
| | | | 80/67 | 11.0 | 9.9 | 15.8 | 1.5 | 7.6 | | | 70 | 16.8 | 13.5 | 1.2 | 4.3 |
| | | | 85/71 | 11.8 | 10.4 | 16.6 | 1.5 | 8.0 | | | 80 | 16.4 | 12.8 | 1.3 | 3.8 |
| | 3 | 3.7 | 75/63 | 10.6 | 9.6 | 15.2 | 1.4 | 7.7 | | 4.0 | 60 | 18.3 | 15.3 | 1.1 | 5.0 |
| | | | 80/67 | 11.4 | 10.1 | 16.0 | 1.4 | 8.2 | | | 70 | 17.7 | 14.5 | 1.2 | 4.5 |
| | | | 85/71 | 12.2 | 10.5 | 16.9 | 1.4 | 8.7 | | | 80 | 17.3 | 13.8 | 1.3 | 4.0 |
| | 4 | 6.1 | 75/63 | 10.8 | 9.7 | 15.3 | 1.4 | 7.9 | | 6.6 | 60 | 18.9 | 15.9 | 1.1 | 5.2 |
| | | | 80/67 | 11.6 | 10.1 | 16.1 | 1.4 | 8.5 | | | 70 | 18.3 | 15.0 | 1.2 | 4.6 |
| | | | 85/71 | 12.5 | 10.6 | 17.0 | 1.4 | 9.1 | | | 80 | 17.8 | 14.2 | 1.3 | 4.1 |

Extended Range - Anti-freeze required

AHR/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHR/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.

DISCLAIMER: The performance reported herein is 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 at the time of order, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

| Capacity Data SV018 (600 CFM) | | | | | | | | | | | | | | | | |
|-------------------------------|------------------|-------------------------|------------------------------|------------------------|---------------------------|---------------------------|------------|------|---------------------------------------|-------------------------|------------------------|------------------------|----------------------------|------------------|-----|--|
| Cooling | | | | | | | | | Heating | | | | | | | |
| Entering Water Temp (°F) | Water flow (GPM) | Pressure Drop PSI (FOH) | Entering Air Temp DB/WB (°F) | Total Capacity (MBTUH) | Sensible Capacity (MBTUH) | Heat of Rejection (MBTUH) | Power (kW) | EER | Entering Fluid Temp (°F) | Pressure Drop PSI (FOH) | Entering Air Temp (°F) | Total Capacity (MBTUH) | Heat of Absorption (MBTUH) | Power Input (kW) | COP | |
| 50 | 2.3 | 1.3 | 75/63 | 19.2 | 14.9 | 23.1 | 1.2 | 16.5 | 30 | 1.3 | 60 | 12.9 | 9.6 | 1.2 | 3.3 | |
| | | | 80/67 | 20.4 | 15.4 | 24.4 | 1.2 | 17.6 | | | 70 | 12.6 | 9.1 | 1.2 | 3.1 | |
| | | | 85/71 | 21.8 | 15.8 | 25.7 | 1.1 | 19.0 | | | 80 | 12.3 | 8.5 | 1.3 | 2.8 | |
| | 3.4 | 2.6 | 75/63 | 19.9 | 15.1 | 23.8 | 1.1 | 17.5 | | 2.7 | 60 | 13.6 | 10.2 | 1.2 | 3.4 | |
| | | | 80/67 | 21.2 | 15.8 | 25.0 | 1.1 | 19.0 | | | 70 | 13.3 | 9.6 | 1.2 | 3.1 | |
| | | | 85/71 | 22.7 | 16.1 | 26.4 | 1.1 | 20.8 | | | 80 | 12.9 | 8.9 | 1.3 | 2.9 | |
| | 4.5 | 4.2 | 75/63 | 20.3 | 15.3 | 24.1 | 1.1 | 17.9 | | 4.5 | 60 | 14.0 | 10.6 | 1.2 | 3.4 | |
| | | | 80/67 | 21.7 | 15.8 | 25.4 | 1.1 | 19.6 | | | 70 | 13.6 | 9.8 | 1.3 | 3.2 | |
| | | | 85/71 | 23.1 | 16.3 | 26.8 | 1.1 | 21.5 | | | 80 | 13.3 | 9.2 | 1.3 | 2.9 | |
| 60 | 2.3 | 1.2 | 75/63 | 18.4 | 14.5 | 22.5 | 1.2 | 14.9 | 40 | 1.3 | 60 | 14.7 | 11.2 | 1.2 | 3.5 | |
| | | | 80/67 | 19.6 | 15.0 | 23.7 | 1.2 | 15.8 | | | 70 | 14.4 | 10.6 | 1.3 | 3.3 | |
| | | | 85/71 | 20.8 | 15.5 | 25.0 | 1.2 | 16.9 | | | 80 | 14.1 | 10.0 | 1.4 | 3.0 | |
| | 3.4 | 2.5 | 75/63 | 19.1 | 14.8 | 23.0 | 1.2 | 16.2 | | 2.6 | 60 | 15.6 | 11.9 | 1.3 | 3.6 | |
| | | | 80/67 | 20.3 | 15.3 | 24.3 | 1.2 | 17.4 | | | 70 | 15.1 | 11.3 | 1.3 | 3.4 | |
| | | | 85/71 | 21.7 | 15.8 | 25.6 | 1.2 | 18.8 | | | 80 | 14.8 | 10.5 | 1.4 | 3.1 | |
| | 4.5 | 4.2 | 75/63 | 19.4 | 15.0 | 23.3 | 1.2 | 16.8 | | 4.4 | 60 | 16.0 | 12.4 | 1.3 | 3.7 | |
| | | | 80/67 | 20.7 | 15.4 | 24.6 | 1.1 | 18.2 | | | 70 | 15.6 | 11.7 | 1.3 | 3.4 | |
| | | | 85/71 | 22.1 | 16.0 | 25.9 | 1.1 | 19.8 | | | 80 | 15.1 | 11.0 | 1.4 | 3.1 | |
| 70 | 2.3 | 1.2 | 75/63 | 17.5 | 14.2 | 21.9 | 1.3 | 13.2 | 50 | 1.3 | 60 | 16.6 | 12.9 | 1.3 | 3.8 | |
| | | | 80/67 | 18.7 | 14.7 | 23.1 | 1.3 | 14.0 | | | 70 | 16.2 | 12.2 | 1.4 | 3.5 | |
| | | | 85/71 | 19.8 | 15.2 | 24.3 | 1.3 | 14.8 | | | 80 | 15.9 | 11.6 | 1.4 | 3.2 | |
| | 3.4 | 2.5 | 75/63 | 18.2 | 14.5 | 22.3 | 1.3 | 14.5 | | 2.6 | 60 | 17.6 | 13.8 | 1.3 | 4.0 | |
| | | | 80/67 | 19.4 | 14.9 | 23.6 | 1.3 | 15.5 | | | 70 | 17.1 | 13.1 | 1.4 | 3.7 | |
| | | | 85/71 | 20.6 | 15.6 | 24.8 | 1.2 | 16.5 | | | 80 | 16.7 | 12.4 | 1.5 | 3.3 | |
| | 4.5 | 4.1 | 75/63 | 18.5 | 14.6 | 22.6 | 1.2 | 15.2 | | 4.3 | 60 | 18.2 | 14.2 | 1.3 | 4.1 | |
| | | | 80/67 | 19.8 | 15.1 | 23.8 | 1.2 | 16.3 | | | 70 | 17.7 | 13.6 | 1.4 | 3.7 | |
| | | | 85/71 | 21.1 | 15.7 | 25.1 | 1.2 | 17.6 | | | 80 | 17.2 | 12.9 | 1.5 | 3.4 | |
| 80 | 2.3 | 1.2 | 75/63 | 16.6 | 13.8 | 21.4 | 1.4 | 11.6 | 60 | 1.3 | 60 | 18.5 | 14.7 | 1.3 | 4.1 | |
| | | | 80/67 | 17.7 | 14.3 | 22.5 | 1.5 | 12.1 | | | 70 | 18.1 | 14.0 | 1.4 | 3.8 | |
| | | | 85/71 | 18.8 | 14.9 | 23.7 | 1.5 | 12.7 | | | 80 | 17.8 | 13.3 | 1.5 | 3.5 | |
| | 3.4 | 2.4 | 75/63 | 17.2 | 13.8 | 21.7 | 1.4 | 12.7 | | 2.6 | 60 | 19.7 | 15.8 | 1.3 | 4.3 | |
| | | | 80/67 | 18.4 | 14.6 | 22.9 | 1.4 | 13.5 | | | 70 | 19.2 | 15.0 | 1.4 | 4.0 | |
| | | | 85/71 | 19.7 | 15.1 | 24.2 | 1.4 | 14.4 | | | 80 | 18.8 | 14.3 | 1.5 | 3.6 | |
| | 4.5 | 4.0 | 75/63 | 17.6 | 14.2 | 22.0 | 1.3 | 13.4 | | 4.2 | 60 | 20.3 | 16.4 | 1.3 | 4.5 | |
| | | | 80/67 | 18.7 | 14.8 | 23.1 | 1.3 | 14.2 | | | 70 | 19.8 | 15.7 | 1.4 | 4.1 | |
| | | | 85/71 | 20.1 | 15.2 | 24.5 | 1.3 | 15.3 | | | 80 | 19.4 | 14.9 | 1.5 | 3.7 | |
| 90 | 2.3 | 1.1 | 75/63 | 15.7 | 13.1 | 20.8 | 1.6 | 10.1 | 70 | 1.2 | 60 | 20.5 | 16.6 | 1.3 | 4.5 | |
| | | | 80/67 | 16.7 | 14.0 | 21.9 | 1.6 | 10.5 | | | 70 | 20.0 | 15.9 | 1.4 | 4.1 | |
| | | | 85/71 | 17.8 | 14.5 | 23.1 | 1.6 | 11.0 | | | 80 | 19.7 | 15.1 | 1.5 | 3.8 | |
| | 3.4 | 2.3 | 75/63 | 16.3 | 13.8 | 21.2 | 1.5 | 11.0 | | 2.5 | 60 | 21.8 | 17.9 | 1.3 | 4.7 | |
| | | | 80/67 | 17.4 | 14.3 | 22.3 | 1.5 | 11.6 | | | 70 | 21.3 | 17.1 | 1.4 | 4.3 | |
| | | | 85/71 | 18.6 | 14.8 | 23.6 | 1.5 | 12.3 | | | 80 | 20.9 | 16.3 | 1.6 | 3.9 | |
| | 4.5 | 3.9 | 75/63 | 16.7 | 13.4 | 21.4 | 1.4 | 11.6 | | 4.2 | 60 | 22.6 | 18.7 | 1.4 | 4.9 | |
| | | | 80/67 | 17.8 | 14.4 | 22.6 | 1.4 | 12.3 | | | 70 | 22.1 | 17.8 | 1.5 | 4.5 | |
| | | | 85/71 | 18.9 | 15.0 | 23.8 | 1.5 | 13.0 | | | 80 | 21.5 | 16.9 | 1.6 | 4.0 | |
| 100 | 2.3 | 1.1 | 75/63 | 14.8 | 12.7 | 20.3 | 1.7 | 8.7 | 80 | 1.2 | 60 | 22.5 | 18.6 | 1.4 | 4.9 | |
| | | | 80/67 | 15.7 | 13.3 | 21.4 | 1.7 | 9.1 | | | 70 | 22.1 | 17.8 | 1.5 | 4.5 | |
| | | | 85/71 | 16.7 | 13.7 | 22.5 | 1.8 | 9.5 | | | 80 | 21.6 | 17.0 | 1.6 | 4.0 | |
| | 3.4 | 2.3 | 75/63 | 15.4 | 12.9 | 20.7 | 1.6 | 9.5 | | 2.5 | 60 | 24.1 | 20.1 | 1.4 | 5.2 | |
| | | | 80/67 | 16.4 | 13.5 | 21.8 | 1.6 | 10.0 | | | 70 | 23.5 | 19.2 | 1.5 | 4.7 | |
| | | | 85/71 | 17.4 | 14.5 | 22.9 | 1.7 | 10.5 | | | 80 | 23.0 | 18.3 | 1.6 | 4.2 | |
| | 4.5 | 3.9 | 75/63 | 15.7 | 13.1 | 20.8 | 1.6 | 10.0 | | 4.1 | 60 | 25.0 | 21.0 | 1.4 | 5.3 | |
| | | | 80/67 | 16.7 | 14.0 | 22.0 | 1.6 | 10.5 | | | 70 | 24.4 | 20.1 | 1.5 | 4.8 | |
| | | | 85/71 | 17.8 | 14.6 | 23.1 | 1.6 | 11.1 | | | 80 | 23.8 | 19.0 | 1.6 | 4.3 | |
| 110 | 2.3 | 1.1 | 75/63 | 13.9 | 12.3 | 19.8 | 1.8 | 7.6 | Extended Range - Anti-freeze required | 1.2 | 60 | 22.5 | 18.6 | 1.4 | 4.9 | |
| | | | 80/67 | 14.7 | 12.9 | 20.9 | 1.9 | 7.9 | | | 70 | 22.1 | 17.8 | 1.5 | 4.5 | |
| | | | 85/71 | 15.6 | 13.4 | 21.9 | 1.9 | 8.2 | | | 80 | 21.6 | 17.0 | 1.6 | 4.0 | |
| | 3.4 | 2.3 | 75/63 | 14.4 | 12.5 | 20.1 | 1.8 | 8.2 | | 2.5 | 60 | 24.1 | 20.1 | 1.4 | 5.2 | |
| | | | 80/67 | 15.3 | 13.1 | 21.2 | 1.8 | 8.6 | | | 70 | 23.5 | 19.2 | 1.5 | 4.7 | |
| | | | 85/71 | 16.3 | 13.7 | 22.3 | 1.8 | 9.0 | | | 80 | 23.0 | 18.3 | 1.6 | 4.2 | |
| | 4.5 | 3.8 | 75/63 | 14.7 | 12.7 | 20.3 | 1.7 | 8.6 | | 4.1 | 60 | 25.0 | 21.0 | 1.4 | 5.3 | |
| | | | 80/67 | 15.6 | 13.2 | 21.4 | 1.7 | 9.0 | | | 70 | 24.4 | 20.1 | 1.5 | 4.8 | |
| | | | 85/71 | 16.7 | 13.8 | 22.5 | 1.8 | 9.4 | | | 80 | 23.8 | 19.0 | 1.6 | 4.3 | |

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

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.

DISCLAIMER: The performance reported herein is 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 at the time of order, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

| Capacity Data SV024 (800 CFM) | | | | | | | | | | | | | | | | |
|-------------------------------|------------------|-------------------------|------------------------------|------------------------|---------------------------|---------------------------|------------|------|---------------------------------------|-------------------------|------------------------|------------------------|----------------------------|------------------|-----|--|
| Cooling | | | | | | | | | Heating | | | | | | | |
| Entering Water Temp (°F) | Water flow (GPM) | Pressure Drop PSI (FOH) | Entering Air Temp DB/WB (°F) | Total Capacity (MBTUH) | Sensible Capacity (MBTUH) | Heat of Rejection (MBTUH) | Power (kW) | EER | Entering Fluid Temp (°F) | Pressure Drop PSI (FOH) | Entering Air Temp (°F) | Total Capacity (MBTUH) | Heat of Absorption (MBTUH) | Power Input (kW) | COP | |
| 50 | 3 | 1.2 | 75/63 | 25.6 | 19.1 | 30.0 | 1.3 | 19.2 | 30 | 1.3 | 60 | 16.7 | 12.2 | 1.4 | 3.4 | |
| | | | 80/67 | 27.2 | 19.8 | 31.8 | 1.4 | 20.1 | | | 70 | 16.6 | 12.1 | 1.6 | 3.1 | |
| | | | 85/71 | 28.9 | 20.4 | 33.6 | 1.4 | 20.9 | | | 80 | 15.8 | 10.7 | 1.7 | 2.7 | |
| | 4.5 | 2.5 | 75/63 | 26.5 | 19.6 | 30.6 | 1.2 | 21.8 | | 2.7 | 60 | 17.4 | 12.9 | 1.5 | 3.5 | |
| | | | 80/67 | 28.2 | 20.3 | 32.4 | 1.2 | 23.0 | | | 70 | 17.4 | 12.9 | 1.6 | 3.2 | |
| | | | 85/71 | 30.0 | 20.9 | 34.3 | 1.2 | 24.2 | | | 80 | 16.7 | 11.2 | 1.8 | 2.8 | |
| | 6 | 4.2 | 75/63 | 26.9 | 19.8 | 30.9 | 1.2 | 23.3 | | 4.5 | 60 | 17.9 | 13.2 | 1.5 | 3.6 | |
| | | | 80/67 | 28.8 | 20.5 | 32.8 | 1.2 | 24.7 | | | 70 | 17.7 | 13.4 | 1.6 | 3.2 | |
| | | | 85/71 | 30.6 | 21.2 | 34.7 | 1.2 | 26.1 | | | 80 | 17.6 | 12.0 | 1.8 | 2.9 | |
| 60 | 3 | 1.2 | 75/63 | 24.4 | 18.7 | 29.3 | 1.5 | 16.5 | 40 | 1.3 | 60 | 18.8 | 14.2 | 1.5 | 3.7 | |
| | | | 80/67 | 26.0 | 19.3 | 31.0 | 1.5 | 17.3 | | | 70 | 18.4 | 13.5 | 1.6 | 3.3 | |
| | | | 85/71 | 27.6 | 19.9 | 32.8 | 1.5 | 18.0 | | | 80 | 18.0 | 12.3 | 1.8 | 3.0 | |
| | 4.5 | 2.5 | 75/63 | 25.3 | 19.0 | 29.9 | 1.4 | 18.5 | | 2.6 | 60 | 19.9 | 14.9 | 1.5 | 3.9 | |
| | | | 80/67 | 27.0 | 19.7 | 31.7 | 1.4 | 19.6 | | | 70 | 19.5 | 15.1 | 1.7 | 3.5 | |
| | | | 85/71 | 28.7 | 20.4 | 33.5 | 1.4 | 20.5 | | | 80 | 19.2 | 13.6 | 1.8 | 3.1 | |
| | 6 | 4.1 | 75/63 | 25.8 | 19.2 | 30.2 | 1.3 | 19.7 | | 4.3 | 60 | 20.4 | 16.0 | 1.5 | 4.0 | |
| | | | 80/67 | 27.5 | 20.0 | 32.0 | 1.3 | 20.9 | | | 70 | 19.8 | 14.8 | 1.7 | 3.5 | |
| | | | 85/71 | 29.3 | 20.5 | 33.9 | 1.3 | 22.0 | | | 80 | 19.2 | 13.6 | 1.8 | 3.1 | |
| 70 | 3 | 1.2 | 75/63 | 23.2 | 18.1 | 28.7 | 1.6 | 14.2 | 50 | 1.1 | 60 | 21.1 | 16.4 | 1.5 | 4.1 | |
| | | | 80/67 | 24.7 | 18.8 | 30.3 | 1.7 | 14.9 | | | 70 | 20.4 | 15.5 | 1.7 | 3.6 | |
| | | | 85/71 | 26.3 | 19.5 | 32.0 | 1.7 | 15.5 | | | 80 | 20.3 | 14.7 | 1.8 | 3.2 | |
| | 4.5 | 2.4 | 75/63 | 24.1 | 18.5 | 29.2 | 1.5 | 15.8 | | 2.2 | 60 | 22.4 | 17.3 | 1.5 | 4.3 | |
| | | | 80/67 | 25.7 | 19.1 | 30.9 | 1.5 | 16.7 | | | 70 | 21.8 | 16.9 | 1.7 | 3.8 | |
| | | | 85/71 | 27.4 | 19.9 | 32.6 | 1.6 | 17.5 | | | 80 | 21.7 | 16.3 | 1.9 | 3.4 | |
| | 6 | 4.0 | 75/63 | 24.5 | 18.7 | 29.4 | 1.5 | 16.7 | | 3.7 | 60 | 23.5 | 19.0 | 1.6 | 4.4 | |
| | | | 80/67 | 26.2 | 19.4 | 31.2 | 1.5 | 17.7 | | | 70 | 22.7 | 17.8 | 1.7 | 3.9 | |
| | | | 85/71 | 27.9 | 20.1 | 33.0 | 1.5 | 18.7 | | | 80 | 22.5 | 16.8 | 1.9 | 3.5 | |
| 80 | 3 | 1.2 | 75/63 | 22.0 | 17.6 | 28.0 | 1.8 | 12.2 | 60 | 1.0 | 60 | 23.5 | 18.7 | 1.6 | 4.4 | |
| | | | 80/67 | 23.5 | 18.3 | 29.6 | 1.8 | 12.7 | | | 70 | 23.1 | 17.7 | 1.7 | 3.9 | |
| | | | 85/71 | 25.0 | 18.9 | 31.2 | 1.9 | 13.3 | | | 80 | 22.6 | 16.7 | 1.9 | 3.5 | |
| | 4.5 | 2.4 | 75/63 | 22.9 | 17.9 | 28.5 | 1.7 | 13.5 | | 2.2 | 60 | 25.0 | 20.2 | 1.6 | 4.6 | |
| | | | 80/67 | 24.4 | 18.6 | 30.1 | 1.7 | 14.2 | | | 70 | 24.3 | 19.8 | 1.8 | 4.0 | |
| | | | 85/71 | 26.0 | 19.4 | 31.8 | 1.7 | 15.0 | | | 80 | 24.0 | 17.8 | 1.9 | 3.6 | |
| | 6 | 3.9 | 75/63 | 23.3 | 18.1 | 28.7 | 1.6 | 14.2 | | 3.6 | 60 | 25.9 | 21.1 | 1.6 | 4.7 | |
| | | | 80/67 | 24.9 | 18.8 | 30.4 | 1.6 | 15.1 | | | 70 | 25.2 | 19.6 | 1.8 | 4.2 | |
| | | | 85/71 | 26.5 | 19.6 | 32.1 | 1.7 | 15.9 | | | 80 | 24.9 | 19.4 | 2.0 | 3.7 | |
| 90 | 3 | 1.1 | 75/63 | 20.8 | 17.0 | 27.4 | 2.0 | 10.4 | 70 | 1.0 | 60 | 26.1 | 21.1 | 1.6 | 4.7 | |
| | | | 80/67 | 22.2 | 17.8 | 28.9 | 2.0 | 10.9 | | | 70 | 25.6 | 20.2 | 1.8 | 4.2 | |
| | | | 85/71 | 23.6 | 18.4 | 30.5 | 2.1 | 11.3 | | | 80 | 25.2 | 19.1 | 2.0 | 3.7 | |
| | 4.5 | 2.2 | 75/63 | 21.6 | 17.4 | 27.8 | 1.9 | 11.5 | | 2.1 | 60 | 27.9 | 22.9 | 1.7 | 4.9 | |
| | | | 80/67 | 23.0 | 18.1 | 29.3 | 1.9 | 12.1 | | | 70 | 27.3 | 21.6 | 1.8 | 4.4 | |
| | | | 85/71 | 24.6 | 18.8 | 31.0 | 1.9 | 12.7 | | | 80 | 26.8 | 20.5 | 2.0 | 3.9 | |
| | 6 | 3.7 | 75/63 | 22.0 | 17.6 | 28.0 | 1.8 | 12.1 | | 3.5 | 60 | 29.0 | 23.8 | 1.7 | 5.1 | |
| | | | 80/67 | 23.5 | 18.2 | 29.6 | 1.8 | 12.8 | | | 70 | 28.3 | 22.6 | 1.8 | 4.5 | |
| | | | 85/71 | 25.1 | 18.9 | 31.3 | 1.9 | 13.5 | | | 80 | 27.6 | 21.5 | 2.0 | 4.0 | |
| 100 | 3 | 1.1 | 75/63 | 19.6 | 16.5 | 26.9 | 2.2 | 8.8 | 80 | 1.0 | 60 | 28.7 | 23.7 | 1.7 | 5.1 | |
| | | | 80/67 | 20.9 | 17.1 | 28.3 | 2.3 | 9.2 | | | 70 | 28.3 | 22.7 | 1.8 | 4.5 | |
| | | | 85/71 | 22.3 | 17.8 | 29.9 | 2.3 | 9.7 | | | 80 | 27.8 | 21.5 | 2.0 | 4.1 | |
| | 4.5 | 2.2 | 75/63 | 20.3 | 16.9 | 27.2 | 2.1 | 9.7 | | 2.1 | 60 | 30.9 | 25.8 | 1.7 | 5.3 | |
| | | | 80/67 | 21.7 | 17.6 | 28.7 | 2.1 | 10.2 | | | 70 | 30.3 | 24.6 | 1.9 | 4.7 | |
| | | | 85/71 | 23.2 | 18.3 | 30.3 | 2.1 | 10.8 | | | 80 | 29.6 | 23.4 | 2.0 | 4.2 | |
| | 6 | 3.7 | 75/63 | 20.7 | 16.9 | 27.3 | 2.0 | 10.2 | | 3.5 | 60 | 32.2 | 26.8 | 1.7 | 5.5 | |
| | | | 80/67 | 22.1 | 17.7 | 28.9 | 2.1 | 10.8 | | | 70 | 31.4 | 25.7 | 1.9 | 4.9 | |
| | | | 85/71 | 23.6 | 18.5 | 30.5 | 2.1 | 11.4 | | | 80 | 29.0 | 24.6 | 2.0 | 4.3 | |
| 110 | 3 | 1.1 | 75/63 | 18.4 | 15.9 | 26.5 | 2.5 | 7.4 | Extended Range - Anti-freeze required | 1.0 | 60 | 28.7 | 23.7 | 1.7 | 5.1 | |
| | | | 80/67 | 19.7 | 16.6 | 27.9 | 2.5 | 7.9 | | | 70 | 28.3 | 22.7 | 1.8 | 4.5 | |
| | | | 85/71 | 21.0 | 17.3 | 29.3 | 2.5 | 8.3 | | | 80 | 27.8 | 21.5 | 2.0 | 4.1 | |
| | 4.5 | 2.2 | 75/63 | 19.0 | 16.2 | 26.7 | 2.3 | 8.1 | | 2.1 | 60 | 30.9 | 25.8 | 1.7 | 5.3 | |
| | | | 80/67 | 20.4 | 16.9 | 28.2 | 2.4 | 8.6 | | | 70 | 30.3 | 24.6 | 1.9 | 4.7 | |
| | | | 85/71 | 21.8 | 17.8 | 29.6 | 2.4 | 9.2 | | | 80 | 29.6 | 23.4 | 2.0 | 4.2 | |
| | 6 | 3.6 | 75/63 | 19.3 | 16.4 | 26.8 | 2.3 | 8.5 | | 3.5 | 60 | 32.2 | 26.8 | 1.7 | 5.5 | |
| | | | 80/67 | 20.7 | 17.2 | 28.3 | 2.3 | 9.0 | | | 70 | 31.4 | 25.7 | 1.9 | 4.9 | |
| | | | 85/71 | 22.2 | 17.9 | 29.8 | 2.3 | 9.6 | | | 80 | 29.0 | 24.6 | 2.0 | 4.3 | |

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

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.

DISCLAIMER: The performance reported herein is 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 at the time of order, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

| Capacity Data SV030 (950 CFM) | | | | | | | | | | | | | | | |
|-------------------------------|------------------|-------------------------|------------------------------|------------------------|---------------------------|---------------------------|------------|------|--------------------------|-------------------------|------------------------|------------------------|----------------------------|------------------|-----|
| Cooling | | | | | | | | | Heating | | | | | | |
| Entering Water Temp (°F) | Water flow (GPM) | Pressure Drop PSI (FOH) | Entering Air Temp DB/WB (°F) | Total Capacity (MBTUH) | Sensible Capacity (MBTUH) | Heat of Rejection (MBTUH) | Power (kW) | EER | Entering Fluid Temp (°F) | Pressure Drop PSI (FOH) | Entering Air Temp (°F) | Total Capacity (MBTUH) | Heat of Absorption (MBTUH) | Power Input (kW) | COP |
| 50 | 3.8 | 1.8 | 75/63 | 30.0 | 22.5 | 35.5 | 1.6 | 18.5 | 30 | 1.6 | 60 | 19.9 | 14.6 | 1.7 | 3.4 |
| | | | 80/67 | 32.0 | 23.3 | 37.5 | 1.6 | 19.7 | | | 70 | 19.3 | 13.6 | 1.9 | 3.0 |
| | | | 85/71 | 34.0 | 24.2 | 39.6 | 1.6 | 20.9 | | | 80 | 18.8 | 12.4 | 2.1 | 2.7 |
| | 6.3 | 4.4 | 75/63 | 31.2 | 23.2 | 36.2 | 1.5 | 21.1 | | 4.1 | 60 | 21.0 | 15.7 | 1.7 | 3.6 |
| | | | 80/67 | 33.3 | 24.0 | 38.4 | 1.5 | 22.6 | | | 70 | 20.3 | 14.6 | 1.9 | 3.1 |
| | | | 85/71 | 35.6 | 24.8 | 40.6 | 1.5 | 24.1 | | | 80 | 19.5 | 13.3 | 2.1 | 2.7 |
| | 7.5 | 6.1 | 75/63 | 31.5 | 23.3 | 36.5 | 1.4 | 21.8 | | 5.6 | 60 | 21.4 | 16.0 | 1.7 | 3.6 |
| | | | 80/67 | 33.7 | 24.1 | 38.7 | 1.4 | 23.4 | | | 70 | 20.7 | 14.7 | 1.9 | 3.2 |
| | | | 85/71 | 36.0 | 24.9 | 40.9 | 1.4 | 25.1 | | | 80 | 20.1 | 13.7 | 2.1 | 2.8 |
| 60 | 3.8 | 1.7 | 75/63 | 28.6 | 21.9 | 34.6 | 1.8 | 16.1 | 40 | 1.6 | 60 | 22.3 | 16.9 | 1.8 | 3.7 |
| | | | 80/67 | 30.6 | 22.7 | 36.6 | 1.8 | 17.1 | | | 70 | 21.8 | 15.8 | 1.9 | 3.3 |
| | | | 85/71 | 32.5 | 23.6 | 38.6 | 1.8 | 18.2 | | | 80 | 21.4 | 14.8 | 2.1 | 2.9 |
| | 6.3 | 4.3 | 75/63 | 29.8 | 22.5 | 35.3 | 1.6 | 18.2 | | 4.0 | 60 | 23.8 | 18.2 | 1.8 | 3.9 |
| | | | 80/67 | 31.9 | 23.3 | 37.5 | 1.6 | 19.5 | | | 70 | 23.2 | 17.1 | 2.0 | 3.4 |
| | | | 85/71 | 34.0 | 24.2 | 39.6 | 1.6 | 20.9 | | | 80 | 22.6 | 15.9 | 2.2 | 3.1 |
| | 7.5 | 6.0 | 75/63 | 30.1 | 22.7 | 35.5 | 1.6 | 18.8 | | 5.5 | 60 | 24.2 | 18.6 | 1.8 | 3.9 |
| | | | 80/67 | 32.3 | 23.4 | 37.7 | 1.6 | 20.2 | | | 70 | 23.6 | 17.5 | 2.0 | 3.5 |
| | | | 85/71 | 34.4 | 24.4 | 39.9 | 1.6 | 21.7 | | | 80 | 23.0 | 16.3 | 2.2 | 3.1 |
| 70 | 3.8 | 1.7 | 75/63 | 27.2 | 21.4 | 33.8 | 2.0 | 13.8 | 50 | 1.8 | 60 | 25.1 | 19.4 | 1.8 | 4.0 |
| | | | 80/67 | 29.1 | 22.1 | 35.7 | 2.0 | 14.8 | | | 70 | 24.6 | 18.3 | 2.0 | 3.6 |
| | | | 85/71 | 31.1 | 22.9 | 37.7 | 2.0 | 15.7 | | | 80 | 24.1 | 17.2 | 2.2 | 3.2 |
| | 6.3 | 4.2 | 75/63 | 28.4 | 21.9 | 34.4 | 1.8 | 15.7 | | 4.4 | 60 | 26.8 | 21.1 | 1.9 | 4.2 |
| | | | 80/67 | 30.4 | 22.7 | 36.5 | 1.8 | 16.9 | | | 70 | 26.2 | 19.9 | 2.1 | 3.7 |
| | | | 85/71 | 32.5 | 23.5 | 38.6 | 1.8 | 18.1 | | | 80 | 25.6 | 18.6 | 2.3 | 3.3 |
| | 7.5 | 5.9 | 75/63 | 28.7 | 22.0 | 34.6 | 1.8 | 16.2 | | 6.1 | 60 | 27.3 | 21.6 | 1.9 | 4.3 |
| | | | 80/67 | 30.7 | 22.8 | 36.7 | 1.8 | 17.4 | | | 70 | 26.6 | 20.3 | 2.1 | 3.8 |
| | | | 85/71 | 32.9 | 23.6 | 38.8 | 1.8 | 18.7 | | | 80 | 26.1 | 19.1 | 2.3 | 3.4 |
| 80 | 3.8 | 1.7 | 75/63 | 25.8 | 20.8 | 33.0 | 2.2 | 11.9 | 60 | 1.7 | 60 | 28.0 | 22.1 | 1.9 | 4.3 |
| | | | 80/67 | 27.7 | 21.5 | 34.9 | 2.2 | 12.7 | | | 70 | 27.4 | 21.0 | 2.1 | 3.9 |
| | | | 85/71 | 29.5 | 22.4 | 36.8 | 2.2 | 13.5 | | | 80 | 27.0 | 19.8 | 2.3 | 3.5 |
| | 6.3 | 4.2 | 75/63 | 26.9 | 21.3 | 33.6 | 2.0 | 13.4 | | 4.3 | 60 | 30.1 | 24.1 | 1.9 | 4.6 |
| | | | 80/67 | 28.9 | 22.1 | 35.6 | 2.0 | 14.5 | | | 70 | 29.4 | 22.9 | 2.1 | 4.1 |
| | | | 85/71 | 30.9 | 23.0 | 37.6 | 2.0 | 15.5 | | | 80 | 28.9 | 21.7 | 2.3 | 3.7 |
| | 7.5 | 5.8 | 75/63 | 27.2 | 21.4 | 33.8 | 2.0 | 13.9 | | 6.0 | 60 | 30.7 | 24.7 | 1.9 | 4.6 |
| | | | 80/67 | 29.2 | 22.3 | 35.8 | 2.0 | 14.9 | | | 70 | 30.0 | 23.5 | 2.1 | 4.2 |
| | | | 85/71 | 31.3 | 23.0 | 37.9 | 1.9 | 16.1 | | | 80 | 29.4 | 22.2 | 2.3 | 3.7 |
| 90 | 3.8 | 1.6 | 75/63 | 24.4 | 20.0 | 32.4 | 2.4 | 10.2 | 70 | 1.7 | 60 | 31.0 | 25.0 | 1.9 | 4.7 |
| | | | 80/67 | 26.2 | 21.0 | 34.2 | 2.4 | 10.9 | | | 70 | 30.4 | 23.9 | 2.1 | 4.2 |
| | | | 85/71 | 27.9 | 21.9 | 36.0 | 2.4 | 11.6 | | | 80 | 29.9 | 22.7 | 2.3 | 3.8 |
| | 6.3 | 4.1 | 75/63 | 25.4 | 20.5 | 32.8 | 2.2 | 11.4 | | 4.2 | 60 | 33.5 | 27.4 | 2.0 | 5.0 |
| | | | 80/67 | 27.3 | 21.5 | 34.7 | 2.2 | 12.3 | | | 70 | 32.8 | 26.2 | 2.2 | 4.5 |
| | | | 85/71 | 29.3 | 22.2 | 36.7 | 2.2 | 13.2 | | | 80 | 32.2 | 24.9 | 2.4 | 4.0 |
| | 7.5 | 5.7 | 75/63 | 25.7 | 20.7 | 33.0 | 2.2 | 11.8 | | 5.9 | 60 | 34.3 | 28.2 | 2.0 | 5.1 |
| | | | 80/67 | 27.6 | 21.6 | 34.9 | 2.2 | 12.7 | | | 70 | 33.5 | 26.9 | 2.2 | 4.5 |
| | | | 85/71 | 29.7 | 22.3 | 36.9 | 2.2 | 13.7 | | | 80 | 32.8 | 25.5 | 2.4 | 4.1 |
| 100 | 3.8 | 1.6 | 75/63 | 23.0 | 19.5 | 31.8 | 2.7 | 8.7 | 80 | 1.7 | 60 | 34.2 | 28.1 | 2.0 | 5.0 |
| | | | 80/67 | 24.7 | 20.4 | 33.6 | 2.7 | 9.2 | | | 70 | 33.6 | 26.9 | 2.2 | 4.5 |
| | | | 85/71 | 26.4 | 21.1 | 35.4 | 2.7 | 9.8 | | | 80 | 33.0 | 25.6 | 2.4 | 4.1 |
| | 6.3 | 4.0 | 75/63 | 24.0 | 19.8 | 32.2 | 2.5 | 9.7 | | 4.2 | 60 | 37.1 | 31.0 | 2.0 | 5.4 |
| | | | 80/67 | 25.7 | 20.9 | 34.0 | 2.5 | 10.4 | | | 70 | 36.3 | 29.6 | 2.2 | 4.8 |
| | | | 85/71 | 27.7 | 21.6 | 35.9 | 2.5 | 11.2 | | | 80 | 35.6 | 28.1 | 2.4 | 4.3 |
| | 7.5 | 5.5 | 75/63 | 24.2 | 20.0 | 32.3 | 2.4 | 9.9 | | 5.8 | 60 | 38.0 | 31.7 | 2.0 | 5.5 |
| | | | 80/67 | 26.1 | 20.8 | 34.2 | 2.4 | 10.7 | | | 70 | 37.2 | 30.3 | 2.2 | 4.9 |
| | | | 85/71 | 27.9 | 21.9 | 36.0 | 2.4 | 11.5 | | | 80 | 36.3 | 28.9 | 2.4 | 4.4 |
| 110 | 3.8 | 1.6 | 75/63 | 21.7 | 18.9 | 31.4 | 2.9 | 7.4 | | | 60 | 34.2 | 28.1 | 2.0 | 5.0 |
| | | | 80/67 | 23.4 | 19.7 | 33.2 | 3.0 | 7.9 | | | 70 | 33.6 | 26.9 | 2.2 | 4.5 |
| | | | 85/71 | 25.0 | 20.5 | 34.9 | 3.0 | 8.4 | | | 80 | 33.0 | 25.6 | 2.4 | 4.1 |
| | 6.3 | 3.9 | 75/63 | 22.6 | 19.3 | 31.7 | 2.8 | 8.2 | | | 60 | 37.1 | 31.0 | 2.0 | 5.4 |
| | | | 80/67 | 24.3 | 20.0 | 33.4 | 2.8 | 8.8 | | | 70 | 36.3 | 29.6 | 2.2 | 4.8 |
| | | | 85/71 | 26.0 | 21.1 | 35.2 | 2.8 | 9.4 | | | 80 | 35.6 | 28.1 | 2.4 | 4.3 |
| | 7.5 | 5.5 | 75/63 | 22.8 | 19.3 | 31.7 | 2.7 | 8.4 | | | 60 | 38.0 | 31.7 | 2.0 | 5.5 |
| | | | 80/67 | 24.5 | 20.1 | 33.5 | 2.7 | 9.0 | | | 70 | 37.2 | 30.3 | 2.2 | 4.9 |
| | | | 85/71 | 26.3 | 21.2 | 35.3 | 2.7 | 9.7 | | | 80 | 36.3 | 28.9 | 2.4 | 4.4 |

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

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.

DISCLAIMER: The performance reported herein is 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 at the time of order, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

| Capacity Data SV036 (1200 CFM) | | | | | | | | | | | | | | | |
|--------------------------------|------------------|-------------------------|------------------------------|------------------------|---------------------------|---------------------------|------------|------|--------------------------|-------------------------|------------------------|------------------------|----------------------------|------------------|-----|
| Cooling | | | | | | | | | Heating | | | | | | |
| Entering Water Temp (°F) | Water flow (GPM) | Pressure Drop PSI (FOH) | Entering Air Temp DB/WB (°F) | Total Capacity (MBTUH) | Sensible Capacity (MBTUH) | Heat of Rejection (MBTUH) | Power (kW) | EER | Entering Fluid Temp (°F) | Pressure Drop PSI (FOH) | Entering Air Temp (°F) | Total Capacity (MBTUH) | Heat of Absorption (MBTUH) | Power Input (kW) | COP |
| 50 | 4.5 | 1.5 | 75/63 | 38.8 | 29.9 | 46.1 | 0.1 | 18.4 | 30 | 1.7 | 60 | 24.7 | 17.9 | 2.1 | 3.4 |
| | | | 80/67 | 41.4 | 30.9 | 48.9 | 2.1 | 19.5 | | | 70 | 23.9 | 17.0 | 2.3 | 3.0 |
| | | | 85/71 | 44.0 | 32.0 | 51.6 | 2.1 | 20.7 | | | 80 | 23.9 | 16.0 | 2.6 | 2.7 |
| | 6 | 2.6 | 75/63 | 39.9 | 30.3 | 46.9 | 2.0 | 19.6 | | 2.8 | 60 | 25.2 | 18.9 | 2.1 | 3.5 |
| | | | 80/67 | 42.6 | 31.3 | 49.7 | 2.0 | 20.8 | | | 70 | 24.7 | 18.1 | 2.4 | 3.1 |
| | | | 85/71 | 45.3 | 32.5 | 52.5 | 2.0 | 22.2 | | | 80 | 25.0 | 16.8 | 2.6 | 2.8 |
| | 9 | 5.2 | 75/63 | 41.1 | 30.9 | 47.6 | 1.9 | 20.3 | | 5.7 | 60 | 26.7 | 21.1 | 2.2 | 3.6 |
| | | | 80/67 | 44.0 | 31.9 | 50.5 | 2.0 | 21.7 | | | 70 | 26.0 | 19.2 | 2.4 | 3.2 |
| | | | 85/71 | 46.9 | 32.8 | 53.5 | 2.0 | 23.1 | | | 80 | 25.9 | 16.9 | 2.6 | 2.9 |
| 60 | 4.5 | 1.5 | 75/63 | 37.0 | 29.1 | 45.1 | 2.3 | 16.1 | 40 | 1.6 | 60 | 27.7 | 21.0 | 2.2 | 3.7 |
| | | | 80/67 | 39.5 | 30.2 | 47.7 | 2.3 | 17.2 | | | 70 | 27.3 | 19.5 | 2.4 | 3.3 |
| | | | 85/71 | 42.0 | 31.4 | 50.4 | 2.3 | 18.2 | | | 80 | 27.0 | 18.8 | 2.7 | 3.0 |
| | 6 | 2.5 | 75/63 | 38.1 | 29.5 | 45.7 | 2.2 | 17.1 | | 2.6 | 60 | 28.7 | 21.9 | 2.2 | 3.8 |
| | | | 80/67 | 40.7 | 30.7 | 48.4 | 2.2 | 18.3 | | | 70 | 28.4 | 20.4 | 2.4 | 3.4 |
| | | | 85/71 | 43.4 | 31.7 | 51.2 | 2.2 | 19.5 | | | 80 | 27.5 | 19.1 | 2.7 | 3.0 |
| | 9 | 5.1 | 75/63 | 39.3 | 30.0 | 46.4 | 2.1 | 17.8 | | 5.4 | 60 | 30.0 | 22.9 | 2.2 | 4.0 |
| | | | 80/67 | 42.0 | 31.0 | 49.3 | 2.1 | 19.0 | | | 70 | 29.2 | 21.9 | 2.4 | 3.5 |
| | | | 85/71 | 44.9 | 32.1 | 52.2 | 2.1 | 20.3 | | | 80 | 28.5 | 20.0 | 2.7 | 3.1 |
| 70 | 4.5 | 1.5 | 75/63 | 35.2 | 28.3 | 44.0 | 2.5 | 14.1 | 50 | 1.5 | 60 | 31.1 | 24.1 | 2.2 | 4.1 |
| | | | 80/67 | 37.5 | 29.6 | 46.5 | 2.5 | 15.0 | | | 70 | 30.7 | 22.7 | 2.5 | 3.7 |
| | | | 85/71 | 40.0 | 30.7 | 49.1 | 2.5 | 16.0 | | | 80 | 30.0 | 21.5 | 2.7 | 3.2 |
| | 6 | 2.4 | 75/63 | 36.2 | 28.8 | 44.6 | 2.4 | 15.0 | | 2.6 | 60 | 32.4 | 25.3 | 2.3 | 4.2 |
| | | | 80/67 | 38.7 | 30.0 | 47.2 | 2.4 | 16.0 | | | 70 | 31.9 | 23.9 | 2.5 | 3.8 |
| | | | 85/71 | 41.4 | 30.8 | 50.0 | 2.4 | 17.1 | | | 80 | 31.2 | 22.4 | 2.7 | 3.3 |
| | 9 | 5.0 | 75/63 | 37.3 | 29.3 | 45.3 | 2.3 | 15.5 | | 5.2 | 60 | 33.9 | 26.6 | 2.3 | 4.3 |
| | | | 80/67 | 40.0 | 30.2 | 48.0 | 2.3 | 16.6 | | | 70 | 33.1 | 25.3 | 2.5 | 3.8 |
| | | | 85/71 | 42.8 | 31.3 | 50.9 | 2.3 | 17.8 | | | 80 | 32.3 | 24.1 | 2.8 | 3.4 |
| 80 | 4.5 | 1.5 | 75/63 | 33.3 | 27.6 | 43.0 | 2.7 | 12.3 | 60 | 1.5 | 60 | 34.8 | 27.6 | 2.3 | 4.4 |
| | | | 80/67 | 35.7 | 28.5 | 45.5 | 2.7 | 13.1 | | | 70 | 34.1 | 26.2 | 2.5 | 3.9 |
| | | | 85/71 | 37.9 | 30.0 | 48.0 | 2.7 | 13.9 | | | 80 | 33.8 | 24.7 | 2.8 | 3.6 |
| | 6 | 2.4 | 75/63 | 34.4 | 27.9 | 43.6 | 2.6 | 13.0 | | 2.5 | 60 | 36.3 | 29.0 | 2.3 | 4.6 |
| | | | 80/67 | 36.8 | 29.0 | 46.2 | 2.6 | 13.9 | | | 70 | 35.6 | 27.6 | 2.6 | 4.1 |
| | | | 85/71 | 39.2 | 30.4 | 48.7 | 2.6 | 14.9 | | | 80 | 35.0 | 25.9 | 2.8 | 3.7 |
| | 9 | 4.9 | 75/63 | 35.4 | 28.3 | 44.2 | 2.5 | 13.5 | | 5.1 | 60 | 38.1 | 30.8 | 2.4 | 4.7 |
| | | | 80/67 | 38.0 | 29.6 | 46.8 | 2.5 | 14.5 | | | 70 | 37.3 | 29.1 | 2.6 | 4.2 |
| | | | 85/71 | 40.7 | 30.6 | 49.6 | 2.5 | 15.5 | | | 80 | 36.7 | 27.5 | 2.8 | 3.8 |
| 90 | 4.5 | 1.4 | 75/63 | 31.5 | 26.7 | 42.2 | 3.0 | 10.5 | 70 | 1.5 | 60 | 38.6 | 31.3 | 2.4 | 4.8 |
| | | | 80/67 | 33.7 | 28.0 | 44.6 | 3.0 | 11.3 | | | 70 | 38.0 | 29.9 | 2.6 | 4.3 |
| | | | 85/71 | 35.9 | 29.2 | 47.0 | 3.0 | 12.0 | | | 80 | 37.4 | 28.3 | 2.9 | 3.8 |
| | 6 | 2.3 | 75/63 | 32.5 | 27.1 | 42.6 | 2.9 | 11.2 | | 2.4 | 60 | 40.5 | 33.1 | 2.4 | 4.9 |
| | | | 80/67 | 34.8 | 28.2 | 45.1 | 2.9 | 12.0 | | | 70 | 39.7 | 31.5 | 2.6 | 4.4 |
| | | | 85/71 | 37.1 | 29.6 | 47.6 | 2.9 | 12.8 | | | 80 | 39.0 | 29.9 | 2.9 | 4.0 |
| | 9 | 4.7 | 75/63 | 33.4 | 27.7 | 43.1 | 2.8 | 11.6 | | 5.0 | 60 | 42.7 | 35.1 | 2.4 | 5.1 |
| | | | 80/67 | 35.9 | 28.8 | 45.6 | 2.8 | 12.5 | | | 70 | 41.7 | 33.5 | 2.7 | 4.6 |
| | | | 85/71 | 38.4 | 30.1 | 48.2 | 2.8 | 13.4 | | | 80 | 40.8 | 31.7 | 2.9 | 4.1 |
| 100 | 4.5 | 1.4 | 75/63 | 29.6 | 25.9 | 41.5 | 3.3 | 9.0 | 80 | 1.5 | 60 | 42.7 | 35.1 | 2.4 | 5.1 |
| | | | 80/67 | 31.7 | 27.3 | 43.7 | 3.3 | 9.6 | | | 70 | 42.0 | 33.6 | 2.7 | 4.6 |
| | | | 85/71 | 33.8 | 28.6 | 46.0 | 3.3 | 10.3 | | | 80 | 41.3 | 32.1 | 2.9 | 4.1 |
| | 6 | 2.2 | 75/63 | 30.5 | 26.3 | 41.8 | 3.1 | 9.6 | | 2.4 | 60 | 44.9 | 37.2 | 2.5 | 5.3 |
| | | | 80/67 | 32.7 | 27.7 | 44.1 | 3.1 | 10.3 | | | 70 | 44.0 | 35.6 | 2.7 | 4.8 |
| | | | 85/71 | 34.9 | 29.0 | 46.5 | 3.1 | 11.0 | | | 80 | 43.2 | 33.9 | 3.0 | 4.3 |
| | 9 | 4.6 | 75/63 | 31.4 | 26.9 | 42.2 | 3.1 | 9.9 | | 4.9 | 60 | 47.4 | 39.6 | 2.5 | 5.5 |
| | | | 80/67 | 33.9 | 27.9 | 44.7 | 3.1 | 10.7 | | | 70 | 46.4 | 37.8 | 2.8 | 4.9 |
| | | | 85/71 | 36.2 | 29.3 | 47.1 | 3.1 | 11.4 | | | 80 | 45.4 | 36.0 | 3.0 | 4.4 |
| 110 | 4.5 | 1.3 | 75/63 | 27.7 | 25.4 | 40.9 | 3.6 | 7.6 | | | 60 | 42.7 | 35.1 | 2.4 | 5.1 |
| | | | 80/67 | 29.7 | 26.6 | 43.1 | 3.6 | 8.2 | | | 70 | 42.0 | 33.6 | 2.7 | 4.6 |
| | | | 85/71 | 31.9 | 27.7 | 45.3 | 3.6 | 8.7 | | | 80 | 41.3 | 32.1 | 2.9 | 4.1 |
| | 6 | 2.2 | 75/63 | 28.6 | 25.5 | 41.1 | 3.5 | 8.0 | | | 60 | 44.9 | 37.2 | 2.5 | 5.3 |
| | | | 80/67 | 30.7 | 26.8 | 43.4 | 3.5 | 8.7 | | | 70 | 44.0 | 35.6 | 2.7 | 4.8 |
| | | | 85/71 | 32.8 | 28.3 | 45.6 | 3.5 | 9.3 | | | 80 | 43.2 | 33.9 | 3.0 | 4.3 |
| | 9 | 4.5 | 75/63 | 29.4 | 26.0 | 41.4 | 3.4 | 8.4 | | | 60 | 47.4 | 39.6 | 2.5 | 5.5 |
| | | | 80/67 | 31.7 | 27.3 | 43.7 | 3.4 | 9.0 | | | 70 | 46.4 | 37.8 | 2.8 | 4.9 |
| | | | 85/71 | 33.9 | 28.6 | 46.1 | 3.4 | 9.7 | | | 80 | 45.4 | 36.0 | 3.0 | 4.4 |

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

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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Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

| Capacity Data SV041 (1240 CFM) | | | | | | | | | | | | | | | |
|--------------------------------|------------------|-------------------------|------------------------------|------------------------|---------------------------|---------------------------|------------|------|---------------------------------------|-------------------------|------------------------|------------------------|----------------------------|------------------|-----|
| Cooling | | | | | | | | | Heating | | | | | | |
| Entering Water Temp (°F) | Water flow (GPM) | Pressure Drop PSI (FOH) | Entering Air Temp DB/WB (°F) | Total Capacity (MBTUH) | Sensible Capacity (MBTUH) | Heat of Rejection (MBTUH) | Power (kW) | EER | Entering Fluid Temp (°F) | Pressure Drop PSI (FOH) | Entering Air Temp (°F) | Total Capacity (MBTUH) | Heat of Absorption (MBTUH) | Power Input (kW) | COP |
| 50 | 6 | 3.0 | 75/63 | 38.3 | 28.8 | 45.5 | 2.1 | 18.4 | 30 | 3.3 | 60 | 25.8 | 18.5 | 2.3 | 3.3 |
| | | | 80/67 | 40.9 | 29.9 | 48.2 | 2.1 | 19.5 | | | 70 | 25.4 | 17.4 | 2.5 | 2.9 |
| | | | 85/71 | 43.7 | 30.8 | 51.0 | 2.1 | 20.7 | | | 80 | 25.0 | 16.3 | 2.8 | 2.7 |
| | 8 | 4.9 | 75/63 | 39.1 | 29.1 | 46.0 | 2.0 | 19.6 | | 5.5 | 60 | 26.5 | 19.1 | 2.3 | 3.3 |
| | | | 80/67 | 41.8 | 30.3 | 48.8 | 2.0 | 20.8 | | | 70 | 26.0 | 18.0 | 2.5 | 3.0 |
| | | | 85/71 | 44.7 | 31.3 | 51.7 | 2.0 | 22.2 | | | 80 | 25.6 | 16.7 | 2.8 | 2.7 |
| | 10 | 7.2 | 75/63 | 39.6 | 29.3 | 46.4 | 1.9 | 20.3 | | 8.2 | 60 | 27.0 | 19.5 | 2.3 | 3.4 |
| | | | 80/67 | 42.4 | 30.5 | 49.2 | 2.0 | 21.7 | | | 70 | 26.5 | 18.4 | 2.6 | 3.0 |
| | | | 85/71 | 45.3 | 31.6 | 52.2 | 2.0 | 23.1 | | | 80 | 25.9 | 17.0 | 2.8 | 2.7 |
| 60 | 6 | 2.8 | 75/63 | 36.6 | 28.1 | 44.4 | 2.3 | 16.1 | 40 | 3.1 | 60 | 29.3 | 21.7 | 2.4 | 3.6 |
| | | | 80/67 | 39.1 | 29.2 | 47.0 | 2.3 | 17.2 | | | 70 | 28.7 | 20.5 | 2.6 | 3.2 |
| | | | 85/71 | 41.7 | 30.2 | 49.7 | 2.3 | 18.2 | | | 80 | 28.3 | 19.3 | 2.9 | 2.9 |
| | 8 | 4.6 | 75/63 | 37.3 | 28.4 | 44.9 | 2.2 | 17.1 | | 5.2 | 60 | 30.2 | 22.5 | 2.4 | 3.7 |
| | | | 80/67 | 40.0 | 29.5 | 47.6 | 2.2 | 18.3 | | | 70 | 29.5 | 21.2 | 2.6 | 3.3 |
| | | | 85/71 | 42.7 | 30.6 | 50.4 | 2.2 | 19.5 | | | 80 | 29.0 | 20.0 | 2.9 | 3.0 |
| | 10 | 6.9 | 75/63 | 37.8 | 28.6 | 45.2 | 2.1 | 17.8 | | 7.7 | 60 | 30.8 | 23.0 | 2.4 | 3.7 |
| | | | 80/67 | 40.5 | 29.7 | 47.9 | 2.1 | 19.0 | | | 70 | 30.0 | 21.7 | 2.6 | 3.3 |
| | | | 85/71 | 43.4 | 30.7 | 50.8 | 2.1 | 20.3 | | | 80 | 29.5 | 20.4 | 2.9 | 3.0 |
| 70 | 6 | 2.7 | 75/63 | 34.8 | 27.4 | 43.3 | 2.5 | 14.1 | 50 | 3.0 | 60 | 32.9 | 25.1 | 2.5 | 3.9 |
| | | | 80/67 | 37.2 | 28.5 | 45.8 | 2.5 | 15.0 | | | 70 | 32.3 | 23.8 | 2.7 | 3.5 |
| | | | 85/71 | 39.8 | 29.5 | 48.4 | 2.5 | 16.0 | | | 80 | 31.6 | 22.4 | 2.9 | 3.2 |
| | 8 | 4.4 | 75/63 | 35.5 | 27.8 | 43.7 | 2.4 | 15.0 | | 4.9 | 60 | 34.0 | 26.1 | 2.5 | 4.0 |
| | | | 80/67 | 38.1 | 28.8 | 46.3 | 2.4 | 16.0 | | | 70 | 33.3 | 24.7 | 2.7 | 3.6 |
| | | | 85/71 | 40.7 | 29.9 | 49.0 | 2.4 | 17.1 | | | 80 | 32.7 | 23.3 | 3.0 | 3.2 |
| | 10 | 6.6 | 75/63 | 36.0 | 27.9 | 44.0 | 2.3 | 15.5 | | 7.2 | 60 | 34.7 | 26.8 | 2.5 | 4.1 |
| | | | 80/67 | 38.6 | 29.1 | 46.7 | 2.3 | 16.6 | | | 70 | 34.0 | 25.3 | 2.7 | 3.7 |
| | | | 85/71 | 41.3 | 30.1 | 49.4 | 2.3 | 17.8 | | | 80 | 33.2 | 23.8 | 3.0 | 3.3 |
| 80 | 6 | 2.6 | 75/63 | 33.1 | 26.5 | 42.3 | 2.7 | 12.3 | 60 | 2.8 | 60 | 36.8 | 28.7 | 2.5 | 4.2 |
| | | | 80/67 | 35.3 | 27.9 | 44.6 | 2.7 | 13.1 | | | 70 | 36.1 | 27.3 | 2.8 | 3.8 |
| | | | 85/71 | 37.8 | 28.7 | 47.1 | 2.7 | 13.9 | | | 80 | 35.4 | 25.8 | 3.0 | 3.4 |
| | 8 | 4.2 | 75/63 | 33.8 | 26.8 | 42.7 | 2.6 | 13.0 | | 4.6 | 60 | 38.1 | 29.9 | 2.6 | 4.3 |
| | | | 80/67 | 36.1 | 28.2 | 45.1 | 2.6 | 13.9 | | | 70 | 37.2 | 28.4 | 2.8 | 3.9 |
| | | | 85/71 | 38.7 | 29.1 | 47.7 | 2.6 | 14.9 | | | 80 | 36.6 | 26.9 | 3.0 | 3.5 |
| | 10 | 6.3 | 75/63 | 34.2 | 27.0 | 42.9 | 2.5 | 13.5 | | 6.9 | 60 | 39.0 | 30.7 | 2.6 | 4.4 |
| | | | 80/67 | 36.7 | 28.1 | 45.5 | 2.5 | 14.5 | | | 70 | 38.1 | 29.2 | 2.8 | 4.0 |
| | | | 85/71 | 39.3 | 29.4 | 48.0 | 2.5 | 15.5 | | | 80 | 37.3 | 27.7 | 3.0 | 3.6 |
| 90 | 6 | 2.5 | 75/63 | 31.2 | 25.9 | 41.3 | 3.0 | 10.5 | 70 | 2.7 | 60 | 40.9 | 32.6 | 2.6 | 4.6 |
| | | | 80/67 | 33.5 | 26.9 | 43.6 | 3.0 | 11.3 | | | 70 | 40.0 | 31.1 | 2.8 | 4.2 |
| | | | 85/71 | 35.7 | 28.1 | 45.9 | 3.0 | 12.0 | | | 80 | 39.3 | 29.6 | 3.1 | 3.7 |
| | 8 | 4.1 | 75/63 | 31.9 | 26.2 | 41.6 | 2.9 | 11.2 | | 4.4 | 60 | 42.4 | 34.1 | 2.6 | 4.7 |
| | | | 80/67 | 34.3 | 27.2 | 44.0 | 2.9 | 12.0 | | | 70 | 41.5 | 32.4 | 2.9 | 4.3 |
| | | | 85/71 | 36.7 | 28.2 | 46.5 | 2.9 | 12.8 | | | 80 | 40.5 | 30.8 | 3.1 | 3.8 |
| | 10 | 5.9 | 75/63 | 32.3 | 26.4 | 41.9 | 2.8 | 11.6 | | 6.6 | 60 | 43.5 | 35.0 | 2.6 | 4.8 |
| | | | 80/67 | 34.7 | 27.6 | 44.3 | 2.8 | 12.5 | | | 70 | 42.4 | 33.3 | 2.9 | 4.3 |
| | | | 85/71 | 37.2 | 28.4 | 46.8 | 2.8 | 13.4 | | | 80 | 41.4 | 31.6 | 3.1 | 3.9 |
| 100 | 6 | 2.4 | 75/63 | 29.4 | 24.9 | 40.5 | 3.3 | 9.0 | 80 | 2.6 | 60 | 45.2 | 36.7 | 2.7 | 5.0 |
| | | | 80/67 | 31.5 | 26.3 | 42.6 | 3.3 | 9.6 | | | 70 | 44.2 | 35.1 | 2.9 | 4.5 |
| | | | 85/71 | 33.7 | 27.2 | 44.9 | 3.3 | 10.3 | | | 80 | 43.3 | 33.4 | 3.1 | 4.0 |
| | 8 | 3.9 | 75/63 | 30.1 | 25.2 | 40.8 | 3.1 | 9.6 | | 4.2 | 60 | 47.0 | 38.4 | 2.7 | 5.1 |
| | | | 80/67 | 32.3 | 26.6 | 43.0 | 3.1 | 10.3 | | | 70 | 45.8 | 36.6 | 2.9 | 4.6 |
| | | | 85/71 | 34.6 | 27.5 | 45.3 | 3.1 | 11.0 | | | 80 | 44.8 | 34.9 | 3.2 | 4.2 |
| | 10 | 5.8 | 75/63 | 30.5 | 25.4 | 40.9 | 3.1 | 9.9 | | 6.3 | 60 | 48.2 | 39.5 | 2.7 | 5.2 |
| | | | 80/67 | 32.7 | 26.7 | 43.2 | 3.1 | 10.7 | | | 70 | 46.9 | 37.6 | 2.9 | 4.7 |
| | | | 85/71 | 35.1 | 27.7 | 45.6 | 3.1 | 11.4 | | | 80 | 45.7 | 35.7 | 3.2 | 4.2 |
| 110 | 6 | 2.3 | 75/63 | 27.5 | 24.3 | 39.7 | 3.6 | 7.6 | Extended Range - Anti-freeze required | | 60 | 45.2 | 36.7 | 2.7 | 5.0 |
| | | | 80/67 | 29.5 | 25.5 | 41.8 | 3.6 | 8.2 | | | 70 | 44.2 | 35.1 | 2.9 | 4.5 |
| | | | 85/71 | 31.6 | 26.4 | 43.9 | 3.6 | 8.7 | | | 80 | 43.3 | 33.4 | 3.1 | 4.0 |
| | 8 | 3.8 | 75/63 | 28.1 | 24.6 | 39.9 | 3.5 | 8.0 | | | 60 | 47.0 | 38.4 | 2.7 | 5.1 |
| | | | 80/67 | 30.2 | 25.6 | 42.1 | 3.5 | 8.7 | | | 70 | 45.8 | 36.6 | 2.9 | 4.6 |
| | | | 85/71 | 32.4 | 26.7 | 44.3 | 3.5 | 9.3 | | | 80 | 44.8 | 34.9 | 3.2 | 4.2 |
| | 10 | 5.6 | 75/63 | 28.5 | 24.7 | 40.1 | 3.4 | 8.4 | | | 60 | 48.2 | 39.5 | 2.7 | 5.2 |
| | | | 80/67 | 30.7 | 25.8 | 42.3 | 3.4 | 9.0 | | | 70 | 46.9 | 37.6 | 2.9 | 4.7 |
| | | | 85/71 | 32.9 | 27.1 | 44.5 | 3.4 | 9.7 | | | 80 | 45.7 | 35.7 | 3.2 | 4.2 |

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

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.

DISCLAIMER: The performance reported herein is 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 at the time of order, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

| Capacity Data SV042 (1380 CFM) | | | | | | | | | | | | | | | | | | |
|--------------------------------|------------------|-------------------------|------------------------------|------------------------|---------------------------|---------------------------|------------|------|--------------------------|--|------------------------|------------------------|----------------------------|------------------|------|------|-----|-----|
| Cooling | | | | | | | | | Heating | | | | | | | | | |
| Entering Water Temp (°F) | Water flow (GPM) | Pressure Drop PSI (FOH) | Entering Air Temp DB/WB (°F) | Total Capacity (MBTUH) | Sensible Capacity (MBTUH) | Heat of Rejection (MBTUH) | Power (kW) | EER | Entering Fluid Temp (°F) | Pressure Drop PSI (FOH) | Entering Air Temp (°F) | Total Capacity (MBTUH) | Heat of Absorption (MBTUH) | Power Input (kW) | COP | | | |
| 50 | 6 | 3.0 | 75/63 | 41.7 | 32.4 | 49.7 | 2.4 | 17.7 | 30 | 3.3 | 60 | 28.6 | 20.7 | 2.5 | 3.4 | | | |
| | | | 80/67 | 44.5 | 34.4 | 52.6 | 2.4 | 18.8 | | | 70 | 28.2 | 19.6 | 2.7 | 3.0 | | | |
| | | | 85/71 | 47.3 | 34.8 | 55.5 | 2.4 | 19.9 | | | 80 | 27.7 | 18.5 | 3.0 | 2.7 | | | |
| | 8 | 4.9 | 75/63 | 42.7 | 32.8 | 50.3 | 2.3 | 18.9 | | 5.5 | 60 | 29.4 | 21.7 | 2.5 | 3.4 | | | |
| | | | 80/67 | 45.6 | 34.9 | 53.3 | 2.3 | 20.2 | | | 70 | 29.0 | 20.3 | 2.8 | 3.1 | | | |
| | | | 85/71 | 48.6 | 35.9 | 56.4 | 2.3 | 21.5 | | | 80 | 28.6 | 19.1 | 3.0 | 2.8 | | | |
| | 10 | 7.2 | 75/63 | 43.3 | 33.0 | 50.7 | 2.2 | 19.7 | | 8.2 | 60 | 30.0 | 22.1 | 2.5 | 3.5 | | | |
| | | | 80/67 | 46.3 | 35.2 | 53.8 | 2.2 | 21.1 | | | 70 | 29.5 | 20.8 | 2.8 | 3.1 | | | |
| | | | 85/71 | 49.4 | 36.2 | 56.9 | 2.2 | 22.5 | | | 80 | 29.1 | 19.6 | 3.0 | 2.8 | | | |
| | 60 | 6 | 2.8 | 75/63 | 39.9 | 31.6 | 48.5 | 2.6 | | 15.5 | 40 | 3.1 | 60 | 32.3 | 24.0 | 2.6 | 3.6 | |
| | | | | 80/67 | 42.5 | 33.0 | 51.2 | 2.6 | | 16.4 | | | 70 | 31.9 | 22.8 | 2.8 | 3.3 | |
| | | | | 85/71 | 45.2 | 34.2 | 54.0 | 2.6 | | 17.4 | | | 80 | 31.4 | 21.5 | 3.1 | 3.0 | |
| 8 | | 4.6 | 75/63 | 40.8 | 32.0 | 49.1 | 2.5 | 16.6 | 5.2 | 60 | | 33.3 | 25.2 | 2.6 | 3.7 | | | |
| | | | 80/67 | 43.6 | 33.9 | 52.0 | 2.5 | 17.7 | | 70 | | 32.7 | 23.7 | 2.9 | 3.3 | | | |
| | | | 85/71 | 46.4 | 34.5 | 54.9 | 2.5 | 18.8 | | 80 | | 32.3 | 22.4 | 3.1 | 3.0 | | | |
| 10 | | 6.9 | 75/63 | 41.4 | 32.2 | 49.5 | 2.4 | 17.3 | 7.7 | 60 | | 34.1 | 25.7 | 2.6 | 3.8 | | | |
| | | | 80/67 | 44.3 | 34.2 | 52.4 | 2.4 | 18.5 | | 70 | | 33.4 | 24.4 | 2.9 | 3.4 | | | |
| | | | 85/71 | 47.3 | 34.5 | 55.4 | 2.4 | 19.7 | | 80 | | 32.9 | 23.0 | 3.1 | 3.1 | | | |
| 70 | | 6 | 2.7 | 75/63 | 37.9 | 31.0 | 47.3 | 2.8 | 13.5 | 50 | | 3.0 | 60 | 32.1 | 24.0 | 2.6 | 3.7 | |
| | | | | 80/67 | 40.5 | 33.0 | 50.0 | 2.8 | 14.3 | | | | 70 | 31.8 | 22.8 | 2.8 | 3.3 | |
| | | | | 85/71 | 43.0 | 33.4 | 52.6 | 2.8 | 15.2 | | | | 80 | 31.3 | 21.5 | 3.1 | 3.0 | |
| | 8 | 4.4 | 75/63 | 38.8 | 32.2 | 47.9 | 2.7 | 14.4 | 4.9 | | 60 | 33.2 | 25.2 | 2.6 | 3.8 | | | |
| | | | 80/67 | 41.6 | 32.3 | 50.6 | 2.7 | 15.4 | | | 70 | 32.6 | 23.7 | 2.8 | 3.4 | | | |
| | | | 85/71 | 44.2 | 33.7 | 53.4 | 2.7 | 16.4 | | | 80 | 32.1 | 22.4 | 3.1 | 3.0 | | | |
| | 10 | 6.6 | 75/63 | 39.4 | 31.6 | 48.2 | 2.6 | 15.0 | 7.2 | | 60 | 33.9 | 25.7 | 2.6 | 3.8 | | | |
| | | | 80/67 | 42.2 | 32.5 | 51.1 | 2.6 | 16.1 | | | 70 | 33.3 | 24.4 | 2.8 | 3.4 | | | |
| | | | 85/71 | 45.1 | 33.7 | 53.9 | 2.6 | 17.2 | | | 80 | 32.8 | 23.0 | 3.1 | 3.1 | | | |
| | 80 | 6 | 2.6 | 75/63 | 36.0 | 30.0 | 46.3 | 3.1 | 11.7 | | 60 | 2.8 | 60 | 36.2 | 27.6 | 2.7 | 4.0 | |
| | | | | 80/67 | 38.5 | 32.0 | 48.8 | 3.1 | 12.5 | | | | 70 | 35.5 | 26.3 | 2.9 | 3.6 | |
| | | | | 85/71 | 41.0 | 33.3 | 51.3 | 3.1 | 13.2 | | | | 80 | 35.0 | 25.0 | 3.2 | 3.2 | |
| 8 | | 4.2 | 75/63 | 36.9 | 30.4 | 46.8 | 3.0 | 12.5 | 4.6 | 60 | | 37.4 | 28.8 | 2.7 | 4.0 | | | |
| | | | 80/67 | 39.4 | 32.6 | 49.3 | 3.0 | 13.3 | | 70 | | 36.8 | 27.5 | 2.9 | 3.7 | | | |
| | | | 85/71 | 42.0 | 33.9 | 52.0 | 3.0 | 14.2 | | 80 | | 36.1 | 26.1 | 3.2 | 3.3 | | | |
| 10 | | 6.3 | 75/63 | 37.4 | 30.6 | 47.1 | 2.9 | 13.0 | 6.9 | 60 | | 38.3 | 29.7 | 2.7 | 4.1 | | | |
| | | | 80/67 | 40.0 | 32.8 | 49.7 | 2.9 | 13.9 | | 70 | | 37.6 | 28.3 | 3.0 | 3.7 | | | |
| | | | 85/71 | 42.7 | 33.1 | 52.4 | 2.9 | 14.8 | | 80 | | 36.9 | 26.8 | 3.2 | 3.4 | | | |
| 90 | | 6 | 2.5 | 75/63 | 34.1 | 29.0 | 45.3 | 3.4 | 10.1 | 70 | | 2.7 | 60 | 36.0 | 27.6 | 2.6 | 4.0 | |
| | | | | 80/67 | 36.3 | 30.5 | 47.6 | 3.4 | 10.7 | | | | 70 | 35.4 | 26.3 | 2.9 | 3.6 | |
| | | | | 85/71 | 38.6 | 31.9 | 50.0 | 3.4 | 11.3 | | | | 80 | 34.8 | 25.0 | 3.1 | 3.2 | |
| | 8 | 4.1 | 75/63 | 34.9 | 29.6 | 45.7 | 3.2 | 10.8 | 4.4 | | 60 | 37.2 | 28.8 | 2.7 | 4.1 | | | |
| | | | 80/67 | 37.4 | 30.7 | 48.2 | 3.3 | 11.5 | | | 70 | 36.6 | 27.5 | 2.9 | 3.7 | | | |
| | | | 85/71 | 39.8 | 32.0 | 50.7 | 3.3 | 12.2 | | | 80 | 36.0 | 26.1 | 3.2 | 3.3 | | | |
| | 10 | 5.9 | 75/63 | 35.4 | 29.8 | 45.9 | 3.2 | 11.2 | 6.6 | | 60 | 38.1 | 29.7 | 2.7 | 4.2 | | | |
| | | | 80/67 | 37.9 | 31.1 | 48.5 | 3.2 | 12.0 | | | 70 | 37.5 | 28.3 | 2.9 | 3.8 | | | |
| | | | 85/71 | 40.4 | 32.3 | 51.0 | 3.2 | 12.8 | | | 80 | 36.8 | 26.8 | 3.2 | 3.4 | | | |
| | 100 | 6 | 2.4 | 75/63 | 31.9 | 28.5 | 44.2 | 3.7 | 8.6 | | 80 | 2.6 | 60 | 40.1 | 31.5 | 2.7 | 4.3 | |
| | | | | 80/67 | 34.2 | 29.6 | 46.6 | 3.7 | 9.2 | | | | 70 | 39.5 | 30.1 | 3.0 | 3.9 | |
| | | | | 85/71 | 36.3 | 31.1 | 48.8 | 3.7 | 9.7 | | | | 80 | 39.0 | 28.6 | 3.3 | 3.5 | |
| 8 | | 3.9 | 75/63 | 32.9 | 28.5 | 44.7 | 3.6 | 9.2 | 4.2 | 60 | | 41.8 | 33.0 | 2.8 | 4.4 | | | |
| | | | 80/67 | 35.1 | 30.0 | 47.0 | 3.6 | 9.8 | | 70 | | 41.0 | 31.5 | 3.0 | 4.0 | | | |
| | | | 85/71 | 37.3 | 31.5 | 49.3 | 3.6 | 10.4 | | 80 | | 40.4 | 30.0 | 3.3 | 3.6 | | | |
| 10 | | 5.8 | 75/63 | 33.3 | 28.9 | 44.9 | 3.5 | 9.6 | 6.3 | 60 | | 42.9 | 34.1 | 2.8 | 4.5 | | | |
| | | | 80/67 | 35.7 | 30.2 | 47.3 | 3.5 | 10.2 | | 70 | | 42.0 | 32.5 | 3.0 | 4.1 | | | |
| | | | 85/71 | 38.1 | 31.5 | 49.7 | 3.5 | 10.9 | | 80 | | 41.3 | 30.8 | 3.3 | 3.7 | | | |
| 110 | | 6 | 2.3 | 75/63 | 29.9 | 27.7 | 43.4 | 4.1 | 7.3 | <div>Extended Range - Anti-freeze required</div> <div>AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.</div> <div>Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.</div> <div>Unit performance may be interpolated. Extrapolation is not allowed.</div> <div>For conditions other than rating conditions provided, consult the BST selection software.</div> | | | 2.6 | 60 | 40.1 | 31.5 | 2.7 | 4.3 |
| | | | | 80/67 | 32.0 | 28.8 | 45.6 | 4.1 | 7.8 | | | | | 70 | 39.5 | 30.1 | 3.0 | 3.9 |
| | | | | 85/71 | 34.0 | 30.3 | 47.7 | 4.1 | 8.3 | | | | | 80 | 39.0 | 28.6 | 3.3 | 3.5 |
| | 8 | 3.8 | 75/63 | 30.6 | 28.0 | 43.7 | 3.9 | 7.8 | 4.2 | | 60 | | 41.8 | 33.0 | 2.8 | 4.4 | | |
| | | | 80/67 | 32.8 | 29.3 | 45.9 | 3.9 | 8.3 | | | 70 | | 41.0 | 31.5 | 3.0 | 4.0 | | |
| | | | 85/71 | 35.0 | 30.6 | 48.2 | 4.0 | 8.8 | | | 80 | | 40.4 | 30.0 | 3.3 | 3.6 | | |
| | 10 | 5.6 | 75/63 | 31.1 | 28.1 | 43.9 | 3.9 | 8.1 | 6.3 | | 60 | | 42.9 | 34.1 | 2.8 | 4.5 | | |
| | | | 80/67 | 33.5 | 29.1 | 46.2 | 3.9 | 8.7 | | | 70 | | 42.0 | 32.5 | 3.0 | 4.1 | | |
| | | | 85/71 | 35.6 | 30.7 | 48.5 | 3.9 | 9.2 | | | | 80 | 41.3 | 30.8 | 3.3 | 3.7 | | |

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.
 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.
DISCLAIMER: The performance reported herein is 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 at the time of order, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

Capacity Data SV048 (1640 CFM)

| Cooling | | | | | | | | | Heating | | | | | | |
|--------------------------|------------------|-------------------------|------------------------------|------------------------|---------------------------|---------------------------|------------|------|---------------------------------------|-------------------------|------------------------|------------------------|----------------------------|------------------|------|
| Entering Water Temp (°F) | Water flow (GPM) | Pressure Drop PSI (FOH) | Entering Air Temp DB/WB (°F) | Total Capacity (MBTUH) | Sensible Capacity (MBTUH) | Heat of Rejection (MBTUH) | Power (kW) | EER | Entering Fluid Temp (°F) | Pressure Drop PSI (FOH) | Entering Air Temp (°F) | Total Capacity (MBTUH) | Heat of Absorption (MBTUH) | Power Input (kW) | COP |
| 50 | 6 | 1.0 | 75/63 | 49.3 | 36.9 | 59.1 | 2.8 | 17.5 | 30 | 1.1 | 60 | 36.0 | 25.8 | 3.3 | 3.16 |
| | | | 80/67 | 52.6 | 38.2 | 62.4 | 2.9 | 18.5 | | | 70 | 35.5 | 24.4 | 3.7 | 2.83 |
| | | | 85/71 | 55.9 | 39.4 | 65.9 | 2.9 | 19.4 | | | 80 | 35.2 | 22.9 | 4.0 | 2.55 |
| | 8 | 1.7 | 75/63 | 50.6 | 37.5 | 59.9 | 2.7 | 18.8 | | 1.9 | 60 | 37.2 | 26.9 | 3.4 | 3.23 |
| | | | 80/67 | 54.0 | 38.8 | 63.4 | 2.7 | 20.0 | | | 70 | 36.7 | 25.3 | 3.7 | 2.9 |
| | | | 85/71 | 57.5 | 40.0 | 66.9 | 2.7 | 21.1 | | | 80 | 36.2 | 23.8 | 4.1 | 2.6 |
| | 12 | 3.5 | 75/63 | 51.9 | 38.0 | 60.7 | 2.6 | 20.3 | | 3.8 | 60 | 38.5 | 28.1 | 3.4 | 3.32 |
| | | | 80/67 | 55.5 | 39.4 | 64.4 | 2.6 | 21.7 | | | 70 | 38.0 | 26.4 | 3.7 | 2.99 |
| | | | 85/71 | 59.1 | 40.5 | 68.1 | 2.6 | 23.0 | | | 80 | 37.5 | 24.7 | 4.1 | 2.68 |
| 60 | 6 | 1.0 | 75/63 | 47.2 | 36.0 | 57.7 | 3.1 | 15.3 | 40 | 1.1 | 60 | 40.6 | 29.9 | 3.4 | 3.45 |
| | | | 80/67 | 50.3 | 37.3 | 61.0 | 3.1 | 16.2 | | | 70 | 40.1 | 28.4 | 3.8 | 3.12 |
| | | | 85/71 | 53.5 | 38.5 | 64.3 | 3.1 | 17.1 | | | 80 | 39.7 | 27.0 | 4.1 | 2.81 |
| | 8 | 1.7 | 75/63 | 48.4 | 36.5 | 58.5 | 2.9 | 16.5 | | 1.8 | 60 | 41.9 | 31.3 | 3.5 | 3.54 |
| | | | 80/67 | 51.7 | 37.9 | 61.8 | 3.0 | 17.5 | | | 70 | 41.7 | 29.6 | 3.8 | 3.22 |
| | | | 85/71 | 55.0 | 39.0 | 65.3 | 3.0 | 18.5 | | | 80 | 41.1 | 27.9 | 4.2 | 2.89 |
| | 12 | 3.5 | 75/63 | 49.7 | 37.1 | 59.3 | 2.8 | 17.8 | | 3.6 | 60 | 43.7 | 33.0 | 3.5 | 3.65 |
| | | | 80/67 | 53.1 | 38.3 | 62.8 | 2.8 | 19.0 | | | 70 | 43.0 | 31.3 | 3.8 | 3.29 |
| | | | 85/71 | 56.6 | 39.6 | 66.4 | 2.8 | 20.2 | | | 80 | 42.6 | 29.6 | 4.2 | 2.97 |
| 70 | 6 | 1.0 | 75/63 | 44.9 | 35.1 | 56.4 | 3.4 | 13.3 | 50 | 2.1 | 60 | 45.6 | 34.4 | 3.5 | 3.78 |
| | | | 80/67 | 48.0 | 36.1 | 59.6 | 3.4 | 14.1 | | | 70 | 44.9 | 33.0 | 3.9 | 3.4 |
| | | | 85/71 | 51.0 | 37.5 | 62.7 | 3.4 | 14.9 | | | 80 | 44.5 | 31.5 | 4.3 | 3.06 |
| | 8 | 1.7 | 75/63 | 46.1 | 35.6 | 57.1 | 3.2 | 14.3 | | 3.5 | 60 | 47.3 | 36.3 | 3.6 | 3.88 |
| | | | 80/67 | 49.3 | 36.6 | 60.4 | 3.2 | 15.3 | | | 70 | 46.7 | 34.7 | 3.9 | 3.5 |
| | | | 85/71 | 52.5 | 38.1 | 63.6 | 3.2 | 16.2 | | | 80 | 46.1 | 33.0 | 4.3 | 3.15 |
| | 12 | 3.4 | 75/63 | 47.5 | 35.9 | 57.9 | 3.1 | 15.5 | | 7.1 | 60 | 49.4 | 38.4 | 3.6 | 4.01 |
| | | | 80/67 | 50.8 | 37.2 | 61.3 | 3.1 | 16.6 | | | 70 | 48.7 | 36.6 | 4.0 | 3.61 |
| | | | 85/71 | 54.1 | 38.5 | 64.7 | 3.1 | 17.6 | | | 80 | 48.0 | 34.8 | 4.3 | 3.24 |
| 80 | 6 | 1.0 | 75/63 | 42.6 | 34.1 | 55.2 | 3.7 | 11.5 | 60 | 2.1 | 60 | 50.9 | 39.4 | 3.6 | 4.11 |
| | | | 80/67 | 45.5 | 35.3 | 58.2 | 3.7 | 12.2 | | | 70 | 50.4 | 37.8 | 4.0 | 3.71 |
| | | | 85/71 | 48.3 | 36.8 | 61.2 | 3.8 | 12.9 | | | 80 | 49.6 | 36.2 | 4.4 | 3.32 |
| | 8 | 1.6 | 75/63 | 43.9 | 34.3 | 55.9 | 3.5 | 12.4 | | 3.4 | 60 | 53.0 | 41.6 | 3.7 | 4.22 |
| | | | 80/67 | 46.8 | 35.8 | 58.9 | 3.6 | 13.2 | | | 70 | 52.3 | 39.9 | 4.0 | 3.8 |
| | | | 85/71 | 49.8 | 37.3 | 62.1 | 3.6 | 14.0 | | | 80 | 51.6 | 38.1 | 4.4 | 3.42 |
| | 12 | 3.3 | 75/63 | 45.1 | 34.9 | 56.5 | 3.4 | 13.4 | | 7.0 | 60 | 55.6 | 44.1 | 3.7 | 4.37 |
| | | | 80/67 | 48.2 | 36.3 | 59.7 | 3.4 | 14.3 | | | 70 | 54.8 | 42.2 | 4.1 | 3.93 |
| | | | 85/71 | 51.4 | 37.8 | 63.0 | 3.4 | 15.2 | | | 80 | 53.9 | 40.2 | 4.5 | 3.53 |
| 90 | 6 | 0.9 | 75/63 | 40.3 | 33.0 | 54.1 | 4.1 | 9.9 | 70 | 2.0 | 60 | 56.5 | 44.6 | 3.7 | 4.43 |
| | | | 80/67 | 43.0 | 34.5 | 56.9 | 4.1 | 10.5 | | | 70 | 55.8 | 42.9 | 4.1 | 3.99 |
| | | | 85/71 | 45.7 | 35.8 | 59.8 | 4.1 | 11.1 | | | 80 | 55.2 | 41.1 | 4.5 | 3.59 |
| | 8 | 1.5 | 75/63 | 41.4 | 33.5 | 54.6 | 3.9 | 10.6 | | 3.3 | 60 | 59.1 | 47.1 | 3.8 | 4.58 |
| | | | 80/67 | 44.2 | 35.0 | 57.5 | 3.9 | 11.3 | | | 70 | 58.2 | 45.3 | 4.2 | 4.1 |
| | | | 85/71 | 47.1 | 36.3 | 60.6 | 3.9 | 12.0 | | | 80 | 57.3 | 43.4 | 4.6 | 3.68 |
| | 12 | 3.2 | 75/63 | 42.6 | 33.9 | 55.2 | 3.7 | 11.5 | | 6.8 | 60 | 62.1 | 50.2 | 3.8 | 4.72 |
| | | | 80/67 | 45.6 | 35.5 | 58.2 | 3.7 | 12.3 | | | 70 | 61.1 | 48.0 | 4.2 | 4.24 |
| | | | 85/71 | 48.8 | 36.5 | 61.5 | 3.7 | 13.1 | | | 80 | 60.0 | 45.9 | 4.6 | 3.8 |
| 100 | 6 | 0.9 | 75/63 | 37.8 | 32.2 | 53.0 | 4.5 | 8.4 | 80 | 2.0 | 60 | 62.2 | 50.0 | 3.8 | 4.74 |
| | | | 80/67 | 40.4 | 33.6 | 55.7 | 4.5 | 8.9 | | | 70 | 61.5 | 48.2 | 4.2 | 4.26 |
| | | | 85/71 | 43.0 | 35.0 | 58.5 | 4.6 | 9.4 | | | 80 | 60.7 | 46.2 | 4.6 | 3.83 |
| | 8 | 1.5 | 75/63 | 38.9 | 32.6 | 53.5 | 4.3 | 9.1 | | 3.3 | 60 | 65.3 | 52.9 | 3.9 | 4.89 |
| | | | 80/67 | 41.6 | 34.0 | 56.3 | 4.3 | 9.6 | | | 70 | 64.4 | 50.8 | 4.3 | 4.4 |
| | | | 85/71 | 44.4 | 35.4 | 59.2 | 4.3 | 10.2 | | | 80 | 63.1 | 48.9 | 4.7 | 3.93 |
| | 12 | 3.1 | 75/63 | 40.1 | 33.0 | 54.0 | 4.1 | 9.8 | | 6.7 | 60 | 69.0 | 56.1 | 4.0 | 5.08 |
| | | | 80/67 | 42.9 | 34.5 | 56.9 | 4.1 | 10.4 | | | 70 | 67.6 | 54.2 | 4.4 | 4.54 |
| | | | 85/71 | 45.9 | 35.8 | 59.9 | 4.1 | 11.2 | | | 80 | 66.2 | 51.8 | 4.8 | 4.05 |
| 110 | 6 | 0.9 | 75/63 | 35.5 | 30.9 | 52.2 | 5.0 | 7.2 | Extended Range - Anti-freeze required | | 60 | 62.2 | 50.0 | 3.8 | 4.74 |
| | | | 80/67 | 38.0 | 32.2 | 54.8 | 5.0 | 7.6 | | | 70 | 61.5 | 48.2 | 4.2 | 4.26 |
| | | | 85/71 | 40.4 | 33.8 | 57.4 | 5.0 | 8.1 | | | 80 | 60.7 | 46.2 | 4.6 | 3.83 |
| | 8 | 1.5 | 75/63 | 36.4 | 31.5 | 52.5 | 4.8 | 7.7 | | | 60 | 65.3 | 52.9 | 3.9 | 4.89 |
| | | | 80/67 | 39.1 | 32.7 | 55.2 | 4.8 | 8.2 | | | 70 | 64.4 | 50.8 | 4.3 | 4.4 |
| | | | 85/71 | 41.7 | 34.1 | 57.9 | 4.8 | 8.7 | | | 80 | 63.1 | 48.9 | 4.7 | 3.93 |
| | 12 | 3.1 | 75/63 | 37.5 | 32.0 | 52.9 | 4.6 | 8.2 | | | 60 | 69.0 | 56.1 | 4.0 | 5.08 |
| | | | 80/67 | 40.2 | 33.5 | 55.7 | 4.6 | 8.8 | | | 70 | 67.6 | 54.2 | 4.4 | 4.54 |
| | | | 85/71 | 43.0 | 34.7 | 58.5 | 4.6 | 9.4 | | | 80 | 66.2 | 51.8 | 4.8 | 4.05 |

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

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.

DISCLAIMER: The performance reported herein is 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 at the time of order, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

| Capacity Data SV060 (1900 CFM) | | | | | | | | | | | | | | | |
|--------------------------------|------------------|-------------------------|------------------------------|------------------------|---------------------------|---------------------------|------------|-----|---|-------------------------|------------------------|------------------------|----------------------------|------------------|-----|
| Cooling | | | | | | | | | Heating | | | | | | |
| Entering Water Temp (°F) | Water flow (GPM) | Pressure Drop PSI (FOH) | Entering Air Temp DB/WB (°F) | Total Capacity (MBTUH) | Sensible Capacity (MBTUH) | Heat of Rejection (MBTUH) | Power (kW) | EER | Entering Fluid Temp (°F) | Pressure Drop PSI (FOH) | Entering Air Temp (°F) | Total Capacity (MBTUH) | Heat of Absorption (MBTUH) | Power Input (kW) | COP |
| 50 | 7.5 | 2.0 | 75/63 | 63.1 | 46.7 | 73.3 | 3.4 | 5.5 | 30 | 2.1 | 60 | 46.1 | 32.7 | 4.3 | 3.2 |
| | | | 80/67 | 67.6 | 48.1 | 77.9 | 3.4 | 5.8 | | | 70 | 45.4 | 30.8 | 4.6 | 2.9 |
| | | | 85/71 | 72.0 | 49.4 | 82.5 | 3.5 | 6.0 | | | 80 | 44.8 | 28.9 | 5.1 | 2.6 |
| | 12 | 4.6 | 75/63 | 65.8 | 47.5 | 75.1 | 3.1 | 6.2 | | 4.9 | 60 | 48.7 | 34.8 | 4.3 | 3.3 |
| | | | 80/67 | 70.3 | 49.2 | 79.8 | 3.2 | 6.5 | | | 70 | 47.8 | 33.0 | 4.7 | 3.0 |
| | | | 85/71 | 74.9 | 50.7 | 84.6 | 3.2 | 6.8 | | | 80 | 47.3 | 30.5 | 5.1 | 2.7 |
| | 15 | 6.8 | 75/63 | 66.6 | 47.9 | 75.8 | 3.1 | 6.3 | | 7.3 | 60 | 49.6 | 36.0 | 4.4 | 3.3 |
| | | | 80/67 | 71.2 | 49.6 | 80.5 | 3.1 | 6.7 | | | 70 | 49.0 | 33.6 | 4.7 | 3.0 |
| | | | 85/71 | 76.0 | 51.1 | 85.5 | 3.2 | 7.1 | | | 80 | 48.0 | 31.3 | 5.2 | 2.7 |
| 60 | 7.5 | 2.0 | 75/63 | 60.6 | 45.2 | 71.8 | 3.7 | 4.8 | 40 | 2.0 | 60 | 51.5 | 37.7 | 4.4 | 3.4 |
| | | | 80/67 | 64.6 | 46.8 | 76.1 | 3.8 | 5.0 | | | 70 | 50.9 | 35.7 | 4.8 | 3.1 |
| | | | 85/71 | 68.8 | 48.3 | 80.5 | 3.8 | 5.2 | | | 80 | 50.3 | 33.7 | 5.2 | 2.8 |
| | 12 | 4.5 | 75/63 | 63.0 | 46.2 | 73.3 | 3.5 | 5.3 | | 4.7 | 60 | 54.9 | 40.4 | 4.5 | 3.6 |
| | | | 80/67 | 67.5 | 47.9 | 78.1 | 3.5 | 5.7 | | | 70 | 53.7 | 38.6 | 4.9 | 3.2 |
| | | | 85/71 | 72.0 | 49.5 | 82.7 | 3.5 | 6.0 | | | 80 | 53.1 | 36.4 | 5.3 | 2.9 |
| | 15 | 6.7 | 75/63 | 63.7 | 46.8 | 74.0 | 3.4 | 5.5 | | 7.0 | 60 | 56.1 | 41.5 | 4.5 | 3.6 |
| | | | 80/67 | 68.4 | 48.4 | 78.8 | 3.4 | 5.8 | | | 70 | 55.0 | 39.7 | 4.9 | 3.3 |
| | | | 85/71 | 73.1 | 49.9 | 83.6 | 3.5 | 6.1 | | | 80 | 54.2 | 37.4 | 5.3 | 3.0 |
| 70 | 7.5 | 1.9 | 75/63 | 57.9 | 44.1 | 70.3 | 4.1 | 4.1 | 50 | 2.0 | 60 | 57.5 | 43.2 | 4.6 | 3.7 |
| | | | 80/67 | 61.8 | 45.6 | 74.5 | 4.2 | 4.4 | | | 70 | 56.7 | 41.2 | 5.0 | 3.4 |
| | | | 85/71 | 65.8 | 47.1 | 78.8 | 4.2 | 4.6 | | | 80 | 56.3 | 38.8 | 5.4 | 3.1 |
| | 12 | 4.4 | 75/63 | 60.2 | 45.0 | 71.8 | 3.8 | 4.6 | | 4.6 | 60 | 61.5 | 47.0 | 4.7 | 3.9 |
| | | | 80/67 | 64.4 | 46.7 | 76.1 | 3.9 | 4.9 | | | 70 | 60.6 | 44.8 | 5.0 | 3.5 |
| | | | 85/71 | 68.7 | 48.3 | 80.6 | 3.9 | 5.2 | | | 80 | 59.6 | 42.6 | 5.5 | 3.2 |
| | 15 | 6.5 | 75/63 | 61.0 | 45.4 | 72.4 | 3.8 | 4.8 | | 6.8 | 60 | 63.2 | 48.2 | 4.7 | 4.0 |
| | | | 80/67 | 65.3 | 47.0 | 76.8 | 3.8 | 5.0 | | | 70 | 62.0 | 46.2 | 5.1 | 3.6 |
| | | | 85/71 | 69.6 | 49.2 | 81.4 | 3.8 | 5.3 | | | 80 | 61.3 | 43.3 | 5.5 | 3.3 |
| 80 | 7.5 | 2.0 | 75/63 | 55.0 | 42.7 | 68.9 | 4.5 | 3.6 | 60 | 2.0 | 60 | 64.0 | 49.1 | 4.7 | 4.0 |
| | | | 80/67 | 58.7 | 44.4 | 72.8 | 4.6 | 3.8 | | | 70 | 63.2 | 47.1 | 5.1 | 3.6 |
| | | | 85/71 | 62.3 | 46.5 | 76.8 | 4.6 | 3.9 | | | 80 | 62.4 | 45.0 | 5.5 | 3.3 |
| | 12 | 3.3 | 75/63 | 57.1 | 44.1 | 70.0 | 4.2 | 4.0 | | 4.5 | 60 | 69.0 | 53.6 | 4.8 | 4.2 |
| | | | 80/67 | 61.4 | 45.6 | 74.4 | 4.2 | 4.2 | | | 70 | 67.8 | 51.4 | 5.2 | 3.8 |
| | | | 85/71 | 65.5 | 47.2 | 78.8 | 4.3 | 4.5 | | | 80 | 67.0 | 48.5 | 5.7 | 3.5 |
| | 15 | 4.9 | 75/63 | 58.2 | 44.1 | 70.9 | 4.2 | 4.1 | | 6.7 | 60 | 71.0 | 55.3 | 4.9 | 4.3 |
| | | | 80/67 | 62.3 | 45.9 | 75.1 | 4.2 | 4.4 | | | 70 | 69.6 | 53.2 | 5.3 | 3.9 |
| | | | 85/71 | 66.5 | 47.5 | 79.5 | 4.2 | 4.6 | | | 80 | 68.4 | 50.5 | 5.7 | 3.5 |
| 90 | 7.5 | 1.4 | 75/63 | 51.8 | 41.8 | 67.3 | 5.0 | 3.1 | 70 | 1.9 | 60 | 70.9 | 55.5 | 4.9 | 4.3 |
| | | | 80/67 | 55.7 | 43.3 | 71.3 | 5.0 | 3.2 | | | 70 | 69.9 | 53.4 | 5.3 | 3.9 |
| | | | 85/71 | 59.4 | 44.6 | 75.3 | 5.1 | 3.4 | | | 80 | 69.1 | 51.1 | 5.7 | 3.5 |
| | 12 | 3.2 | 75/63 | 54.4 | 42.4 | 68.7 | 4.7 | 3.4 | | 4.4 | 60 | 76.8 | 60.8 | 5.0 | 4.5 |
| | | | 80/67 | 58.2 | 44.0 | 72.7 | 4.7 | 3.6 | | | 70 | 75.3 | 58.4 | 5.4 | 4.1 |
| | | | 85/71 | 62.1 | 45.7 | 76.8 | 4.7 | 3.8 | | | 80 | 74.1 | 55.7 | 5.9 | 3.7 |
| | 15 | 4.7 | 75/63 | 55.1 | 42.7 | 69.2 | 4.6 | 3.5 | | 6.5 | 60 | 79.1 | 62.9 | 5.0 | 4.6 |
| | | | 80/67 | 59.0 | 44.6 | 73.3 | 4.6 | 3.7 | | | 70 | 77.6 | 60.1 | 5.5 | 4.2 |
| | | | 85/71 | 63.3 | 46.3 | 77.7 | 4.7 | 4.0 | | | 80 | 76.1 | 57.6 | 5.9 | 3.8 |
| 100 | 7.5 | 1.4 | 75/63 | 49.1 | 40.2 | 66.3 | 5.5 | 2.6 | 80 | 2.0 | 60 | 78.1 | 62.2 | 5.0 | 4.6 |
| | | | 80/67 | 52.5 | 41.8 | 69.9 | 5.6 | 2.8 | | | 70 | 77.1 | 59.7 | 5.4 | 4.1 |
| | | | 85/71 | 55.9 | 43.5 | 73.6 | 5.7 | 2.9 | | | 80 | 75.9 | 57.4 | 5.9 | 3.8 |
| | 12 | 3.1 | 75/63 | 51.2 | 41.1 | 67.2 | 5.2 | 2.9 | | 3.3 | 60 | 84.9 | 68.4 | 5.2 | 4.8 |
| | | | 80/67 | 55.0 | 42.9 | 71.2 | 5.2 | 3.1 | | | 70 | 83.3 | 65.4 | 5.6 | 4.4 |
| | | | 85/71 | 58.7 | 44.7 | 75.1 | 5.2 | 3.3 | | | 80 | 81.8 | 62.7 | 6.1 | 3.9 |
| | 15 | 4.6 | 75/63 | 51.8 | 41.8 | 67.6 | 5.1 | 3.0 | | 4.9 | 60 | 87.6 | 70.7 | 5.3 | 4.9 |
| | | | 80/67 | 55.8 | 43.3 | 71.8 | 5.1 | 3.2 | | | 70 | 85.8 | 67.6 | 5.7 | 4.4 |
| | | | 85/71 | 59.7 | 45.0 | 75.8 | 5.2 | 3.4 | | | 80 | 84.0 | 64.8 | 6.1 | 4.0 |
| 110 | 7.5 | 1.3 | 75/63 | 46.1 | 38.7 | 65.3 | 6.1 | 2.2 | <div>Extended Range - Anti-freeze required</div> AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating. 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. | 2.1 | 60 | 84.0 | 64.8 | 6.1 | 4.0 |
| | | | 80/67 | 48.7 | 41.7 | 68.5 | 6.2 | 2.3 | | | 70 | 83.3 | 62.7 | 6.1 | 3.9 |
| | | | 85/71 | 51.6 | 44.2 | 71.8 | 6.2 | 2.4 | | | 80 | 81.8 | 60.1 | 6.1 | 3.9 |
| | 12 | 3.1 | 75/63 | 47.9 | 40.0 | 65.9 | 5.8 | 2.4 | | 4.9 | 60 | 87.6 | 70.7 | 5.3 | 4.9 |
| | | | 80/67 | 51.6 | 41.6 | 69.8 | 5.8 | 2.6 | | | 70 | 85.8 | 67.6 | 5.7 | 4.4 |
| | | | 85/71 | 55.1 | 43.2 | 73.5 | 5.8 | 2.8 | | | 80 | 84.0 | 64.8 | 6.1 | 4.0 |
| | 15 | 4.5 | 75/63 | 48.8 | 40.1 | 66.5 | 5.7 | 2.5 | | 6.5 | 60 | 87.6 | 70.7 | 5.3 | 4.9 |
| 80/67 | | | 52.4 | 41.9 | 70.2 | 5.7 | 2.7 | 70 | 85.8 | | 67.6 | 5.7 | 4.4 | | |

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.
 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.
DISCLAIMER: The performance reported herein is 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 at the time of order, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

Capacity Data SV070 (2000 CFM)

| Cooling | | | | | | | | | Heating | | | | | | |
|--------------------------|------------------|-------------------------|------------------------------|------------------------|---------------------------|---------------------------|------------|------|---------------------------------------|-------------------------|------------------------|------------------------|----------------------------|------------------|-----|
| Entering Water Temp (°F) | Water flow (GPM) | Pressure Drop PSI (FOH) | Entering Air Temp DB/WB (°F) | Total Capacity (MBTUH) | Sensible Capacity (MBTUH) | Heat of Rejection (MBTUH) | Power (kW) | EER | Entering Fluid Temp (°F) | Pressure Drop PSI (FOH) | Entering Air Temp (°F) | Total Capacity (MBTUH) | Heat of Absorption (MBTUH) | Power Input (kW) | COP |
| 50 | 9 | 2.1 | 75/63 | 66.6 | 48.3 | 80.1 | 3.9 | 17.0 | 30 | 2.3 | 60 | 5.5 | 4.0 | 0.6 | 2.9 |
| | | | 80/67 | 71.1 | 50.0 | 84.8 | 4.0 | 17.9 | | | 70 | 5.4 | 3.8 | 0.6 | 2.7 |
| | | | 85/71 | 75.7 | 51.6 | 89.6 | 4.0 | 18.8 | | | 80 | 5.3 | 3.6 | 0.6 | 2.5 |
| | 13.5 | 4.4 | 75/63 | 68.8 | 49.3 | 81.4 | 3.7 | 18.7 | | 4.7 | 60 | 5.9 | 4.4 | 0.6 | 3.1 |
| | | | 80/67 | 73.5 | 51.0 | 86.3 | 3.7 | 19.8 | | | 70 | 5.7 | 4.1 | 0.6 | 2.8 |
| | | | 85/71 | 78.4 | 52.6 | 91.4 | 3.8 | 20.9 | | | 80 | 5.6 | 3.9 | 0.6 | 2.6 |
| | 18 | 7.3 | 75/63 | 69.9 | 49.8 | 82.1 | 3.5 | 19.7 | | 7.8 | 60 | 6.2 | 4.7 | 0.6 | 3.3 |
| | | | 80/67 | 74.9 | 51.3 | 87.2 | 3.6 | 20.9 | | | 70 | 6.1 | 4.4 | 0.6 | 2.9 |
| | | | 85/71 | 79.8 | 53.3 | 92.3 | 3.6 | 22.1 | | | 80 | 6.0 | 4.2 | 0.6 | 2.7 |
| 60 | 9 | 2.1 | 75/63 | 63.6 | 47.1 | 78.3 | 4.3 | 14.9 | 40 | 2.2 | 60 | 6.4 | 4.8 | 0.6 | 3.3 |
| | | | 80/67 | 67.9 | 48.9 | 82.8 | 4.3 | 15.7 | | | 70 | 6.2 | 4.6 | 0.6 | 3.0 |
| | | | 85/71 | 72.4 | 50.3 | 87.5 | 4.4 | 16.5 | | | 80 | 6.1 | 4.3 | 0.7 | 2.8 |
| | 13.5 | 4.2 | 75/63 | 65.7 | 48.2 | 79.5 | 4.0 | 16.4 | | 4.5 | 60 | 6.8 | 5.3 | 0.6 | 3.5 |
| | | | 80/67 | 70.3 | 49.9 | 84.3 | 4.1 | 17.3 | | | 70 | 6.7 | 5.0 | 0.6 | 3.2 |
| | | | 85/71 | 75.0 | 51.5 | 89.2 | 4.1 | 18.3 | | | 80 | 6.5 | 4.7 | 0.7 | 2.9 |
| | 18 | 7.1 | 75/63 | 66.8 | 48.7 | 80.2 | 3.9 | 17.2 | | 7.5 | 60 | 7.3 | 5.7 | 0.6 | 3.7 |
| | | | 80/67 | 71.6 | 50.3 | 85.1 | 3.9 | 18.3 | | | 70 | 7.1 | 5.4 | 0.6 | 3.3 |
| | | | 85/71 | 76.5 | 51.8 | 90.1 | 4.0 | 19.3 | | | 80 | 6.9 | 5.0 | 0.7 | 3.0 |
| 70 | 9 | 2.0 | 75/63 | 60.5 | 46.0 | 76.4 | 4.7 | 13.0 | 50 | 2.1 | 60 | 7.2 | 5.7 | 0.6 | 3.7 |
| | | | 80/67 | 64.5 | 47.9 | 80.7 | 4.7 | 13.7 | | | 70 | 7.1 | 5.4 | 0.6 | 3.3 |
| | | | 85/71 | 69.0 | 49.0 | 85.4 | 4.8 | 14.4 | | | 80 | 7.0 | 5.1 | 0.7 | 3.0 |
| | 13.5 | 4.2 | 75/63 | 62.6 | 46.9 | 77.6 | 4.4 | 14.3 | | 4.4 | 60 | 7.8 | 6.2 | 0.6 | 3.9 |
| | | | 80/67 | 67.0 | 48.6 | 82.2 | 4.4 | 15.1 | | | 70 | 7.6 | 5.9 | 0.6 | 3.5 |
| | | | 85/71 | 71.6 | 50.0 | 87.0 | 4.5 | 16.0 | | | 80 | 7.4 | 5.5 | 0.7 | 3.2 |
| | 18 | 6.9 | 75/63 | 63.7 | 47.3 | 78.3 | 4.3 | 15.0 | | 7.3 | 60 | 8.3 | 6.7 | 0.6 | 4.1 |
| | | | 80/67 | 68.3 | 48.8 | 83.0 | 4.3 | 15.9 | | | 70 | 8.1 | 6.3 | 0.6 | 3.7 |
| | | | 85/71 | 72.8 | 50.8 | 87.8 | 4.3 | 16.8 | | | 80 | 7.9 | 6.0 | 0.7 | 3.3 |
| 80 | 9 | 2.0 | 75/63 | 57.3 | 44.9 | 74.7 | 5.1 | 11.3 | 60 | 2.1 | 60 | 8.1 | 6.5 | 0.6 | 4.1 |
| | | | 80/67 | 61.4 | 46.1 | 79.0 | 5.1 | 11.9 | | | 70 | 8.0 | 6.2 | 0.6 | 3.7 |
| | | | 85/71 | 65.4 | 47.7 | 83.3 | 5.2 | 12.5 | | | 80 | 7.8 | 5.9 | 0.7 | 3.3 |
| | 13.5 | 4.1 | 75/63 | 59.4 | 45.5 | 75.8 | 4.8 | 12.4 | | 4.2 | 60 | 8.8 | 7.1 | 0.6 | 4.3 |
| | | | 80/67 | 63.7 | 47.0 | 80.3 | 4.8 | 13.1 | | | 70 | 8.6 | 6.8 | 0.6 | 3.9 |
| | | | 85/71 | 67.9 | 49.0 | 84.7 | 4.9 | 13.9 | | | 80 | 8.4 | 6.4 | 0.7 | 3.5 |
| | 18 | 6.8 | 75/63 | 60.4 | 46.0 | 76.4 | 4.7 | 13.0 | | 7.1 | 60 | 9.4 | 7.8 | 0.6 | 4.6 |
| | | | 80/67 | 64.9 | 47.5 | 80.9 | 4.7 | 13.8 | | | 70 | 9.2 | 7.4 | 0.7 | 4.1 |
| | | | 85/71 | 69.2 | 49.5 | 85.5 | 4.7 | 14.6 | | | 80 | 8.9 | 7.0 | 0.7 | 3.7 |
| 90 | 9 | 1.9 | 75/63 | 54.0 | 43.6 | 73.1 | 5.6 | 9.7 | 70 | 2.0 | 60 | 9.0 | 7.4 | 0.6 | 4.4 |
| | | | 80/67 | 57.9 | 45.1 | 77.2 | 5.6 | 10.3 | | | 70 | 8.9 | 7.1 | 0.7 | 4.0 |
| | | | 85/71 | 61.6 | 47.1 | 81.1 | 5.7 | 10.8 | | | 80 | 8.7 | 6.8 | 0.7 | 3.6 |
| | 13.5 | 3.9 | 75/63 | 56.1 | 44.1 | 74.1 | 5.3 | 10.6 | | 4.2 | 60 | 9.8 | 8.2 | 0.6 | 4.8 |
| | | | 80/67 | 60.0 | 46.2 | 78.2 | 5.3 | 11.3 | | | 70 | 9.6 | 7.8 | 0.7 | 4.3 |
| | | | 85/71 | 64.3 | 47.3 | 82.6 | 5.4 | 12.0 | | | 80 | 9.4 | 7.4 | 0.7 | 3.9 |
| | 18 | 6.5 | 75/63 | 57.2 | 44.3 | 74.7 | 5.1 | 11.2 | | 6.9 | 60 | 10.5 | 8.9 | 0.6 | 5.1 |
| | | | 80/67 | 61.3 | 46.1 | 78.9 | 5.2 | 11.9 | | | 70 | 10.3 | 8.5 | 0.7 | 4.5 |
| | | | 85/71 | 65.4 | 48.3 | 83.3 | 5.2 | 12.6 | | | 80 | 10.0 | 8.0 | 0.7 | 4.1 |
| 100 | 9 | 1.9 | 75/63 | 50.7 | 42.2 | 71.6 | 6.1 | 8.3 | 80 | 2.0 | 60 | 10.0 | 8.4 | 0.6 | 4.9 |
| | | | 80/67 | 54.1 | 44.2 | 75.4 | 6.2 | 8.7 | | | 70 | 9.8 | 8.0 | 0.7 | 4.4 |
| | | | 85/71 | 57.8 | 45.8 | 79.3 | 6.3 | 9.3 | | | 80 | 9.6 | 7.6 | 0.7 | 3.9 |
| | 13.5 | 3.8 | 75/63 | 52.6 | 43.0 | 72.4 | 5.8 | 9.1 | | 4.1 | 60 | 10.8 | 9.2 | 0.6 | 5.2 |
| | | | 80/67 | 56.4 | 44.9 | 76.4 | 5.8 | 9.7 | | | 70 | 10.6 | 8.8 | 0.7 | 4.7 |
| | | | 85/71 | 60.3 | 46.4 | 80.5 | 5.9 | 10.3 | | | 80 | 10.4 | 8.4 | 0.7 | 4.2 |
| | 18 | 6.4 | 75/63 | 53.6 | 43.4 | 72.9 | 5.6 | 9.5 | | 6.8 | 60 | 11.7 | 10.1 | 0.6 | 5.6 |
| | | | 80/67 | 57.6 | 45.0 | 77.0 | 5.7 | 10.1 | | | 70 | 11.4 | 9.6 | 0.7 | 5.0 |
| | | | 85/71 | 61.7 | 46.6 | 81.2 | 5.7 | 10.8 | | | 80 | 11.1 | 9.1 | 0.7 | 4.5 |
| 110 | 9 | 1.8 | 75/63 | 47.6 | 40.6 | 70.6 | 6.8 | 7.0 | Extended Range - Anti-freeze required | 2.0 | 60 | 10.0 | 8.4 | 0.6 | 4.9 |
| | | | 80/67 | 50.9 | 43.7 | 74.1 | 6.8 | 7.5 | | | 70 | 9.8 | 8.0 | 0.7 | 4.4 |
| | | | 85/71 | 54.1 | 44.4 | 77.7 | 6.9 | 7.9 | | | 80 | 9.6 | 7.6 | 0.7 | 3.9 |
| | 13.5 | 3.8 | 75/63 | 49.3 | 41.2 | 71.1 | 6.4 | 7.7 | | 4.1 | 60 | 10.8 | 9.2 | 0.6 | 5.2 |
| | | | 80/67 | 52.6 | 44.9 | 74.7 | 6.5 | 8.1 | | | 70 | 10.6 | 8.8 | 0.7 | 4.7 |
| | | | 85/71 | 56.5 | 44.9 | 78.7 | 6.5 | 8.7 | | | 80 | 10.4 | 8.4 | 0.7 | 4.2 |
| | 18 | 6.3 | 75/63 | 50.2 | 41.4 | 71.5 | 6.3 | 8.0 | | 6.8 | 60 | 11.7 | 10.1 | 0.6 | 5.6 |
| | | | 80/67 | 53.8 | 43.7 | 75.2 | 6.3 | 8.6 | | | 70 | 11.4 | 9.6 | 0.7 | 5.0 |
| | | | 85/71 | 57.7 | 45.3 | 79.2 | 6.3 | 9.1 | | | 80 | 11.1 | 9.1 | 0.7 | 4.5 |

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.
 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.
DISCLAIMER: The performance reported herein is 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 at the time of order, which Bosch may change without notice. Before purchase, confirm the design specifications of the appliance.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

| Antifreeze Correction | | | | | | | |
|-----------------------|--------------|--------------|-----------|-------|---------------|-------|------------------------------------|
| Antifreeze Type | Antifreeze % | Cooling | | | Heating | | WPD Correction Factor EWT 30 °F |
| | | EWT 90 Deg.F | | | EWT 30 Deg. 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 |

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



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Field Installed Accessory - Pump/Valve Relay Kit

| Part Number | SV007 | | SV009 | | SV012 | | SV015 | | SV018 | | SV024 | | SV030 | | SV036 | | SV041 | | SV042 | | SV048 | | SV060 | | SV070 | |
|-------------|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|
| | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ |
| 7738003204 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |

Field Installed Accessory - Flow Proving Switch (Differential Pressure) Kit

| Part Number | SV007 | | SV009 | | SV012 | | SV015 | | SV018 | | SV024 | | SV030 | | SV036 | | SV041 | | SV042 | | SV048 | | SV060 | | SV070 | |
|-------------|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|
| | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ |
| 8733920264 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |

Field Installed Accessory - Swivel Connector Kit (two connectors per package)

| Order Number | Type & Size | SV007 | | SV009 | | SV012 | | SV015 | | SV018 | | SV024 | | SV030 | | SV036 | | SV041 | | SV042 | | SV048 | | SV060 | | SV070 | |
|--------------|---------------|------------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|
| | | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ |
| | | Where Used | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7738003200 | Male 3/4" NPT | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | |
| 7738003201 | Male 1" NPT | | | | | | | | | | | | | | | | | | | | | • | • | • | • | • | • |

Field Installed Accessory - SmartStart Assist Kit

| Part Number | SV007 | | SV009 | | SV012 | | SV015 | | SV018 | | SV024 | | SV030 | | SV036 | | SV041 | | SV042 | | SV048 | | SV060 | | SV070 | |
|-------------|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|-------|----|
| | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ | VT | HZ |
| 8733920430 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |

Field Installed Accessory - Duct Mounted Electric Heaters 208/230V

| Nominal BTUH | Order # | | | | Nominal CFM | Duct Flange Connection in Inches | Nominal Dimension in Inches |
|--------------|------------|------------|------------|------------|-------------|----------------------------------|-----------------------------|
| | 5 kW | 10 kW | 15 kW | 20 kW | | | |
| 18000 | 7738002745 | N/A | N/A | N/A | 600 | 13.75 x 13.75 | 14 x 14 |
| 24000 | 7738002746 | 7738002747 | N/A | N/A | 800 | 13.75 x 13.75 | 14 x 14 |
| 30000 | 7738002748 | 7738002749 | N/A | N/A | 1000 | 15.75 x 15.75 | 16 x 16 |
| 36000 | 7738002748 | 7738002749 | N/A | N/A | 1200 | 15.75 x 15.75 | 16 x 16 |
| 42000 | 7738002747 | 7738002751 | 7738002752 | N/A | 1400 | 17.75 x 17.75 | 18 x 18 |
| 48000 | 7738002747 | 7738002751 | 7738002752 | N/A | 1600 | 17.75 x 17.75 | 18 x 18 |
| 60000 | 7738002747 | 7738002751 | 7738002752 | 7738002753 | 2000 | 17.75 x 17.75 | 18 x 18 |
| 70000 | 7738002747 | 7738002751 | 7738002752 | 7738002753 | 2200 | 17.75 x 17.75 | 18 x 18 |



Duct mounted heaters are only available in single phase 208/230 V. Please refer to Manufacturer's Installation and Operation Manual for proper installation and guidelines. It is recommended to use a seven (7) conductor cables for thermostat interface. It is required for the duct mounted heater to have an independent power supply. In fiberglass duct systems, a metal sleeve MUST be used as an insert and support to the heater.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



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Field Installed Accessory - Stainless Steel Hose Kits

| Options | Option 1 | Option 2 | Option 3** | Option 4**,*** | Option 5**, *** | Option 6**, *** |
|------------------------------|------------------------|---|---|--|---------------------------------------|--|
| Hose Size (Length, Diameter) | Hoses Only with Swivel | Hose Kit Hoses with Ported Ball Valves, Swivel and One P/T* | Hose Kit with Automatic Flow Valve (AFV)* | Hose kit with AFV, Y-Strainer & Blow Down Valve* | Hose Kit with AFV and Electric Valve* | Hose Kit with AFV, Y-Strainer, BDV and Electric Valve* |
| | Part # | Part # | Part # | Part # | Part # | Part # |
| 12 Inch | | | | | | |
| 1/2" L | T111H02121 | T111H02122 | T111H02123 | T111H02124 | T111H02125 | T111H02126 |
| 24 Inch | | | | | | |
| 3/4" S | T111H03241 | T111H03242 | T111H03243 | T111H03244 | T111H03245 | T111H03246 |
| 1" L | T111H04241 | T111H04242 | T111H04243 | T111H04244 | T111H04245 | T111H04246 |
| 1" S | T111H04241 | T111H04242 | T111H04247 | T111H04248 | T111H04249 | T111H04240 |
| 1 - 1/4" S | T111H05241 | T111H05242 | T111H05243 | T111H05244 | T111H05245 | T111H05246 |
| 1 - 1/2" L | T111H06241 | T111H06242 | T111H06243 | T111H06244 | T111H06245 | T111H06246 |
| 1 - 1/2" S | T111H06241 | T111H06242 | T111H06247 | T111H06248 | T111H06249 | T111H06240 |
| 2" S | T111H08241 | T111H08242 | T111H08243 | T111H08244 | T111H08245 | T111H08246 |
| 36 Inch | | | | | | |
| 3/4" S | T111H03361 | T111H03362 | T111H03363 | T111H03364 | T111H03365 | T111H03366 |
| 1" L | T111H04361 | T111H04362 | T111H04363 | T111H04364 | T111H04365 | T111H04366 |
| 1" S | T111H04361 | T111H04362 | T111H04367 | T111H04368 | T111H04369 | T111H04360 |
| 1 - 1/4" S | T111H05361 | T111H05362 | T111H05363 | T111H05364 | T111H05365 | T111H05366 |
| 1 - 1/2" L | T111H06361 | T111H06362 | T111H06363 | T111H06364 | T111H06365 | T111H06366 |
| 1 - 1/2" S | T111H06361 | T111H06362 | T111H06367 | T111H06368 | T111H06369 | T111H06360 |
| 2" S | T111H08361 | T111H08362 | T111H08363 | T111H08364 | T111H08365 | T111H08366 |

* All Hose Kits include S/R ported ball valves with swivel and P/T port.

** 'L' and 'S' only apply to kit options 3 through 6

*** GMP's are required for hose kits in options 3-6

Hose Kit Flow Rates by Size

Please see Technical Service Bulletin: Heat Pump Hose Kits – Water Flow Rates.

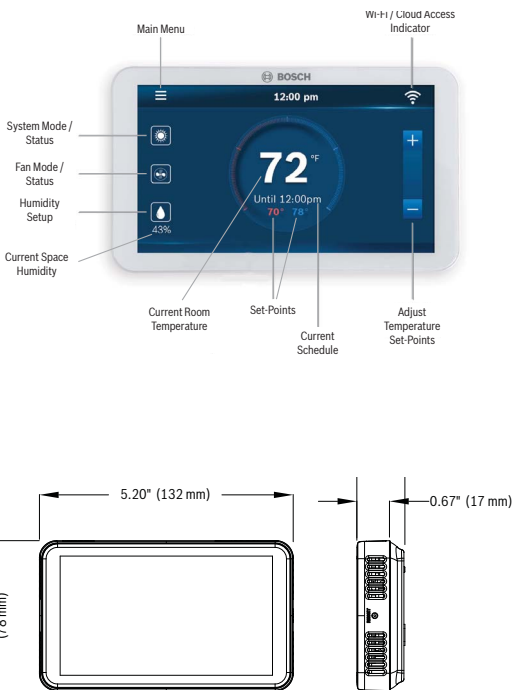
This document is located at www.bosch-climate.us under Support Center > Downloads > Downloads for Bosch Products > Service Bulletins.

Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



Field Installed Accessory - Bosch Connected Control Wi-Fi Thermostat



| Description | Part Number | Heat | Cool | Humidity |
|----------------------------------|-------------|------|------|----------|
| Bosch Connected Control (BCC100) | 8733948009 | 4 | 2 | Yes |

Specifications

- 5 Inch Touch Screen 854 x 480 Pixels
- 7 Relay Outputs (Terminals) G, Y1, Y2, W1, W2, O/B, H/dH
- 1 Data Input (Pulse signals from Bosch WSHP)
- Displays Bosch Water Source Heat Pump Fault Messages
- Wi-Fi (802.11a/b/g/n) 2.4GHz (not compatible with 5GHz)
- FCC and IC Certification
- 5 Year Limited Warranty (see website for details: <https://www.bosch-climate.us/products-bosch-thermotechnology/thermostats-and-controls/residential-thermostats-controls/bcc100.html>)

Compatibility

- Conventional (Gas, Oil, Electric): Up to 2 Heat / 2 Cool
- Heat Pump (O/B to energize reversing valve in cool/heat): Up to 4 Heat / 2 Cool
- Supports up to 1 Accessory Unit: Humidifier or Dehumidifier (not provided by Bosch)
- Unit Modes: Heat, Cool, Auto, Off, Emergency Heat
- Fan Modes: Auto, On, Circulate
- Supports 2 Transformer Systems (Rh and Rc)
- C-Wire Required for Installation
- Supports Active and Passive Dehumidification without the need for external relays, such as Bosch Water Source Heat Pump products equipped with a Hot Gas Reheat Coil and/or ECM motor

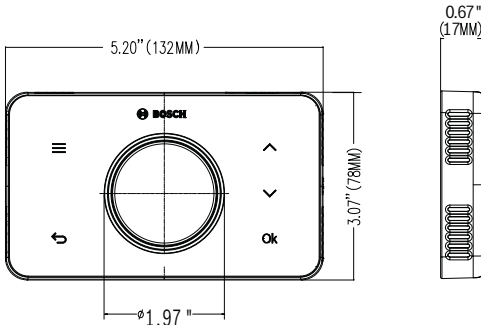
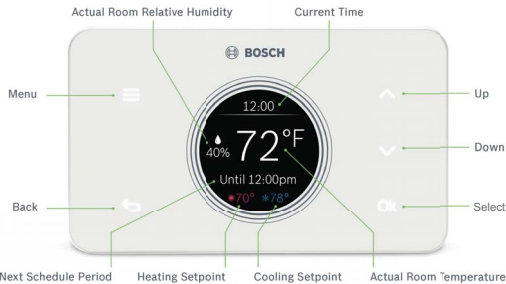
Greensource i Series Model SV

Water Source Heat Pump ½ to 6 Ton



BOSCH

Field Installed Accessory - Bosch Connected Control Wi-Fi Thermostat



| Description | Part Number | Heat | Cool | Humidity |
|---------------------------------|---------------|------|------|----------|
| Bosch Connected Control (BCC50) | 8-733-952-994 | 3 | 2 | Yes |

| Specifications |
|---|
| <ul style="list-style-type: none"> 2.8 Inch Non-Touch LCD Screen 240 x 320 Pixels 5 Back-lit Touch Buttons 6 Relay Terminals: G, Y1, Y2, W/E/AUX, O/B/W2, H/DH Wi-Fi (802.11b/g/n) 2.4GHz (not compatible with 5GHz) FCC and IC Certification 3 Year Limited Warranty (see https://www.bosch-thermotechnology.us/us/en/residential/service/product-warranty-library/ for details) |

| Compatibility |
|---|
| <ul style="list-style-type: none"> Conventional (Gas, Oil, Electric): Up to 2 Heat / 2 Cool Heat Pump (O/B/W2 to energize reversing valve in cool/heat): Up to 3 Heat / 2 Cool Supports up to 1 Accessory Unit: Humidifier or Dehumidifier (not provided by Bosch) Unit Modes: Heat, Cool, Auto, Em Heat (Heat Pump & Dual Fuel only), Off Fan Modes: Auto, On, Circulate Supports 2 Transformer Systems (Rh and Rc) C-Wire Required for Installation Supports Active and Passive Dehumidification without the need for external relays, such as Bosch Water Source Heat Pump products equipped with a Hot Gas Reheat Coil and/or ECM motor |