

Commercial Product Catalog

Water Source Heat Pumps and Chillers



DECEMBER 2025

WaterFurnace
Commercial Solutions

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About Us

About our Engineering Design

As a leader in the industry, WaterFurnace® is dedicated to innovation, quality, and customer satisfaction. Our engineering and design team boasts a long list of innovations in the water loop heat pump industry. Notable firsts include:



- **Variable speed ECM fan motors (1988)**
- **Multi-stage scroll compressors (1992)**
- **Communicating controls (1993)**
- **R-410A (2000), R-454B (2024)**
- **First 30 EER 5 COP heat pump GLHP (2006)**
- **Permanent magnet variable speed scroll heat pump (2012)**
- **Electronic expansion valves (2012)**
- **Vapor injected scroll compressor (2015)**
- **WiFi remote monitoring (2015)**
- **Permanent magnet variable speed screw compressor chiller (2015)**
- **Integrated EC plenum fans (2017)**

Also, our industry-exclusive ISO 17025 accredited labs are a great asset to the engineering team by providing high-quality and accurate testing.

Quality of Manufacture

WaterFurnace® has a well-deserved reputation for robust quality in both design and manufacturing. Every unit built is exposed to a wide range of quality control procedures throughout the assembly process, and is then subjected to a rigorous battery of computerized run tests to certify that it meets or exceeds performance standards for efficiency and safety, and will perform flawlessly at startup. As further affirmation of our quality standards, each unit carries our exclusive Quality Assurance emblem, signed by the final test technician. WaterFurnace International's® corporate headquarters and ISO 9001 & 14001 : 2015 certified manufacturing facility are both located in Fort Wayne, IN. A scenic three-acre pond located in front of the building serves as our geothermal heating and cooling source to comfort-condition our manufacturing and office space. As a pioneer, and now a leader in the industry, the team of WaterFurnace® engineers, customer support staff, and skilled assembly technicians are dedicated to providing the finest comfort systems available.

All units are computer run-tested, with conditioned source water, in all modes to ensure efficiency and reliability

- All refrigerant brazing is performed in a nitrogen atmosphere
- All units are deep evacuated to less than 150 microns prior to refrigerant charging
- All joints are helium leak-tested to ensure an annual leak rate of less than 1/4 ounce
- All major components are barcoded; eliminating the possibility of mismatched parts built into unit
- All assembly technicians are thoroughly trained in proper quality procedures
- All units have a model number and serial number embedded in control for local or remote retrieval
- WaterFurnace International, Inc.® is an ISO 9001 & 14001 : 2015 certified manufacturing facility
- WaterFurnace International® engineering labs are ISO 17025 : 2017 accredited
- WaterFurnace International® Chiller Lab is AHRI Standard 550/590 certified
- UL 508A panel shop approved

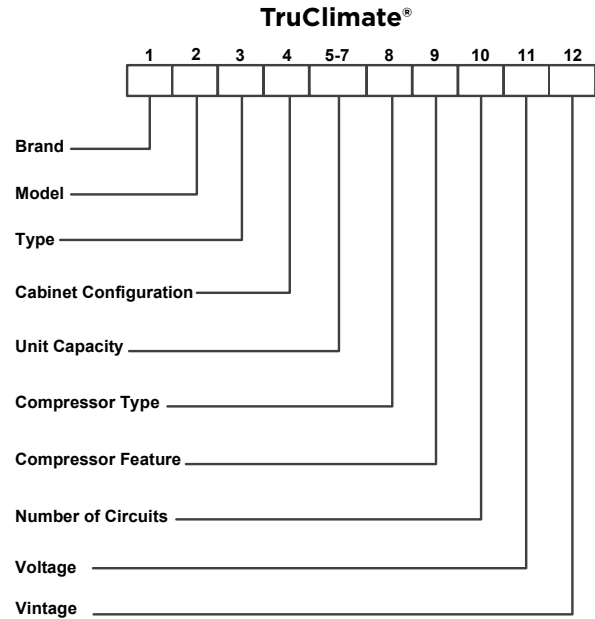
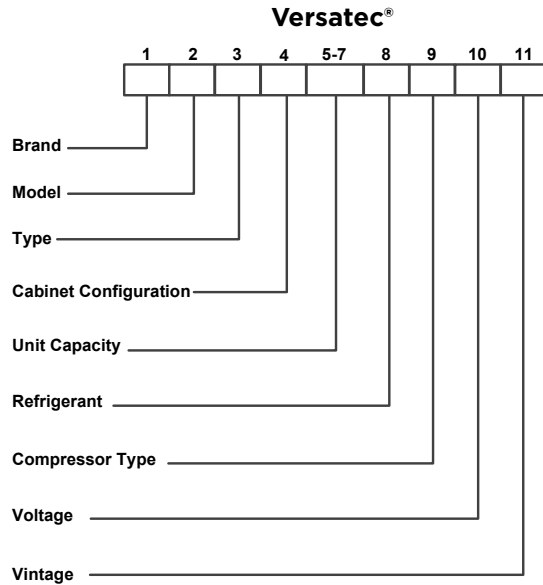
By choosing or specifying WaterFurnace® products, you can be assured that you are investing in the latest technology, top efficiency and a quality-designed built unit.



Product Nomenclature Reference

New Product Nomenclature Example

WaterFurnace® has transitioned all products from R-410A to a low GWP refrigerant, and all nomenclatures have been updated to reflect the change. WaterFurnace® products are categorized by Versatec® and TruClimate®. Versatec® products use air to move heating and cooling to zones throughout a building. TruClimate® products use water to move heating and cooling to a fan zone, or could be used in a hydronic application to heat or cool an area. The updated nomenclature provides clear branding and product identification for all commercial brands, consistent up to the 11th digit for Versatec products and to the 12th digit for TruClimate products. Refer to the appropriate chart below for brand-specific nomenclature structure.

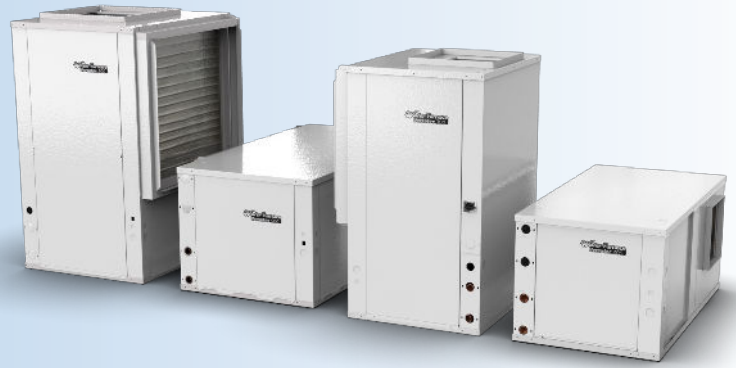


| Versatec® Water-to-Air | | |
|--------------------------------------|-----------------------------|------------------------------|
| Product | Former Nomenclature Example | Low-GWP Nomenclature Example |
| Versatec® 300 Console (0.75-1.5 ton) | LCS09L011CNNB5SS* | V3CC012BR0...See Page 23 |
| Versatec® 300 (0.5-6 ton) | UBV036TL00CANAN0A30SS* | V3AV042BS0...See Page 13 |
| Versatec® 500 Console (0.75-1.5 ton) | NCS09L011CNNB5SS* | V5CC012BR0...See Page 25 |
| Versatec® 500 (0.75-6 ton) | NBV048TL00CANAN1A30SS* | V5AV042BS0...See Page 15 |
| Versatec® 500 (7-30 ton) | UDV120TL3N50DANAN0A1NSS* | V5AV120BD3...See Page 17 |
| Versatec® 500 Rooftop (3-30 ton) | URSO36B005DAN000SANA32NSS* | V5R036BS0...See Page 27 |
| Versatec® 700 (2-6 ton) | UVV036TL001CANAN1A30SS* | V7AV048BV0...See Page 19 |
| Versatec® 700 (10-15 ton) | UVV120TL305DANAN2A32SS* | V7AV120BV3...See Page 21 |
| Versatec® 700 DOAS (10-30 ton) | FAV120TL3050D1NSN3A3NSS* | V7FV120BV3...See Page 29 |

| TruClimate® Water-to-Water | | |
|-----------------------------|-----------------------------|------------------------------|
| Product | Former Nomenclature Example | Low-GWP Nomenclature Example |
| TruClimate® 100 (2-5 ton) | NSW048H20ACCS* | T1WS048SN14...See Page 31 |
| TruClimate® 100 (10-15 ton) | NDW120R1HAB1S* | T1WM120DN24...See Page 33 |
| TruClimate® 100 (20-50 ton) | NXW360R4AEBNNS* | T1RM360SN24...See Page 35 |
| TruClimate® 100 DHW (2 ton) | NSW024H22ACCS* | T1DS024SN12...See Page 37 |
| TruClimate® 300 (30-50 ton) | WCXDM030*3AABS3N6GC100NSSS | T3HS030SN24...See Page 39 |
| TruClimate® 500 (20-80 ton) | WCHDM040*3AABS1B4GCN00NSSS | T5HS040SN24...See Page 41 |
| TruClimate® 700 (140 ton) | WCHSMG140*4ADBS308GC000NSSS | T7HS140WN14...See Page 43 |
| TruClimate® 900 (30 ton) | | T9RS030VV24...See Page 45 |

QUICK SHIP PROGRAM

To help support a growing demand for replacement water source heat pumps, select WaterFurnace® models and configurations can be ordered through our expedited Quick Ship Program.



Versatec® 300 configuration Options

Maximum of 6 units per size and voltage with a total of 20 units per order (call customer service if a higher quantity is needed)

- Vertical or Horizontal cabinets
- Left or Right Return Air
- Discharge Air: top (vertical), end or side discharge (horizontal)
- Sizes: Single Speed - 012, 018, 024, 030, 036, 041 vertical, 042, 048, 060, 070
- Voltages: 208-230/60/1, 265-277/60/1, 208-230/60/3, 460/60/3
- Blower Motor Options: 5-Speed ECM, ECM constant torque on 012
- All-Aluminum Air Coil
- Insulated Cupronickel Water Coil
- 4-Sided Filter Rack
- Optional Sound Kit (Not available on V3AH012)
- Optional Electronic Disconnect
- Optional Stainless Steel Drain Pan
- Optional 2-way Internal Valve (018-070)
- Optional UPC2 DDC Controller (BACnet)

| Vertical Model | Width (in) | Depth (in) | Height (in) |
|----------------|------------|------------|-------------|
| 012 | 19.2 | 19.2 | 24.2 |
| 018 | 22.5 | 22.2 | 30.2 |
| 024-030 | 22.5 | 22.2 | 36.2 |
| 036 | 22.5 | 26.2 | 40.2 |
| 041 | 21.5 | 21.5 | 40.2 |
| 042-048 | 22.5 | 26.2 | 44.2 |
| 060 | 25.5 | 31.2 | 44.2 |
| 070 | 25.5 | 31.2 | 48.2 |

| Horizontal Model | Width (in) | Depth (in) | Height (in) |
|------------------|------------|------------|-------------|
| 012* | 19.2 | 35.0 | 12.9 |
| 018* | 22.5 | 35.0 | 17.2 |
| 024-030 | 22.5 | 42.0 | 17.2 |
| 036 | 22.5 | 42.0 | 19.2 |
| 042-048 | 22.5 | 45.0 | 19.2 |
| 060 | 25.5 | 48.0 | 21.2 |
| 070 | 25.5 | 53.0 | 21.2 |

*No sound blanket

Versatec® 500 configuration Options

Maximum of 6 units per size and voltage with a total of 20 units per order (call customer service if a higher quantity is needed)

- Vertical or Horizontal cabinets
- Left or Right Return Air
- Discharge Air: top (vertical), end or side discharge (horizontal)
- Sizes: Single Speed - 012, 015, 018, 024, 030, 036, 042, 048, 060, 070
Dual Capacity
- Voltages: 208-230/60/1, 265-277/60/1, 208-230/60/3, 460/60/3
- Blower motor options: 5-Speed ECM (015-072)
ECM constant torque on 012
- All-Aluminum Air Coil
- Optional Insulated Water Coil
- 4-Sided Filter Rack
- Optional Sound Kit
- Optional Electrical Disconnect
- Optional Stainless Steel Condensate Drain Pan
- Optional 2-way Internal Water Valve
- Optional UPC2 DDC Controller (BACnet)

| Vertical Model | Width (in) | Depth (in) | Height (in) |
|----------------|------------|------------|-------------|
| 012 | 22.5 | 22.2 | 30.2 |
| 015 - 018 | 22.5 | 26.2 | 40.2 |
| 024 - 030 | 22.5 | 26.2 | 44.2 |
| 036 - 038 | 25.5 | 31.2 | 44.2 |
| 042 - 049 | 25.5 | 31.2 | 48.2 |
| 060 - 072 | 25.5 | 31.2 | 52.2 |

| Model | Width (in) | Depth (in) | Height (in) |
|-----------|------------|------------|-------------|
| 012 | 22.5 | 35.0 | 17.2 |
| 015 - 018 | 22.5 | 42.0 | 19.2 |
| 024 - 030 | 22.5 | 45.0 | 19.2 |
| 036 - 038 | 22.5 | 48.0 | 21.2 |
| 042 - 049 | 25.5 | 53.0 | 21.2 |
| 060-064 | 25.5 | 61.0 | 21.2 |
| 070-072 | 25.5 | 68.0 | 21.2 |



VERSATEC® 300

0.5-6 ton

- Water-to-Air Packaged Unit
- 13.2 to 14.7 EER (WLHP)
- 15.6 to 17.0 EER (GLHP)
- Single speed rotary/scroll compressors
- 5-Speed ECM/Variable Speed ECM Fan Motors



VERSATEC® 500

0.75-6 ton

- Water-to-Air Packaged Unit
- 15.0 to 21.6 EER (WLHP)
- 17.0 to 30.0 EER (GLHP)
- Single speed rotary/scroll/dual capacity scroll compressors
- 5-Speed ECM/Variable Speed ECM Fan Motors



7-30 ton

- Water-to-Air Packaged Unit
- 12.1-17.5 EER (WLHP)
- 14.0-25.0 EER (GLHP)
- Two-stage scrolls (7-10 ton)
- Single-stage scroll, two circuits (12-30 ton)
- Variable Speed ECM - Backward Inclined fan motors.
- On average 25% smaller footprint vs competition
- Take-apart vertical cabinet (20-30 ton)



VERSATEC® 700

2-60 ton

- Water-to-Air Packaged Unit
- 13.2 to 25.0 EER (WLHP)
- 4.4 to 41.0 EER (GLHP)
- Single variable speed permanent magnet scroll compressors (25%-100%)
- Integrated EC blower motors with EEV
- Multi-zone VAV, single zone VAV, and CAV capable
- Sizes up to 60 tons when 10 or 15 ton units are twinned together



VERSATEC® 300 CONSOLES

0.75-1.5 ton

- Water-to-Air Packaged Unit
- 12.2 EER (WLHP)
- 13.5 to 14.3 EER (GLHP)
- Single speed rotary compressors
- Low sill front return console cabinet
- 3-Speed ECM Fan Motors



VERSATEC® 500 CONSOLES

0.75-1.5 ton

- Water-to-Air Packaged Unit
- 12.3 to 13.6 EER (WLHP)
- 14.2 to 16.0 EER (GLHP)
- Single speed rotary compressors
- Bottom return console cabinet
- 3-Speed ECM Fan Motors



VERSATEC® 500 ROOFTOP

3-30 ton

- Water-to-Air Packaged Unit
- 12.2 to 19.1 EER (WLHP)
- 13.1 to 28.0 EER (GLHP)
- Single or dual capacity scroll compressor (3-6 ton)
- Dual scroll compressor circuits (8-30 ton)
- 100% airside economizer, barometric damper (Opt)
- Plenum fan direct drive ECM motor (3-30 ton)
- 5-Speed ECM or Variable Speed ECM motors with forward curve fan (3-6 ton)



VERSATEC® 700 INDOOR DOAS

10-30 ton

- Water-to-Air Packaged Unit
- 2 energy wheel sizes and 3 variants
- Airside economizer integrated dampers
- Aurora® Controls Network
- Double wall module for energy recovery wheel and for the exhaust plenum fan
- Modular take-apart cabinets go through doorway



TRUCLIMATE® 100

2-5 ton

- Water-to-Water Heat Pump
- 12.3 to 15.5 EER (WLHP)
- 14.0 to 17.5 EER (GLHP)
- Single speed scroll compressor

10-15 ton

- Water-to-Water Heat Pump
- 13.3 to 15.8 EER (WLHP)
- 15.8 to 22.0 EER (GLHP)
- Dual single speed scroll compressors
- HydroLink Aurora® Controls w/color tablet

20-50 ton

- Water-to-Water Heat Pump
- 15.2 to 17.4 EER (WLHP)
- 16.5 to 22.2 EER (GLHP)
- Dual single speed scroll compressors
- HydroLink Aurora® Controls w/color tablet

2, 10-30 ton

- Domestic Hot Water Heat Pump
- 12.3 to 17.4 EER (WLHP)
- 14.0 to 22.2 EER (GLHP)
- Single speed scroll compressors
- Vented BPHX for domestic hot water
- HydroLink Aurora® Controls w/color tablet (10-30 ton)



TRUCLIMATE® 300

30 & 50 ton

- Water-Cooled Chiller
- Chiller Ratings:
Chiller: 0.73 kw/ton
IPLV: 0.46 kw/ton
- Plug-n-play out of the box staging up to 12 chiller modules
- Fixed and variable speed mixed chiller banks factory configured
- No condenser strainer required
- HydroLink Aurora® Controls w/color tablet
- Integrated 4-pipe header rack
- Coaxial heat exchanger

TRUCLIMATE® 500

20-80 ton

- Water-Cooled Chiller
- Chiller Ratings:
Full Load: 0.71 kw/ton
IPLV: 0.54 kw/ton
- Dual single speed scroll compressors or variable speed (30 and 50 ton)
- Removable 4-pipe/6-pipe header rack
- HydroLink Aurora® Controls w/color tablet

TRUCLIMATE® 700

140 ton

- Water-Cooled Chiller
- Chiller Ratings:
Full Load: 0.85 kw/ton
IPLV: 0.49 kw/ton
- DC Inverted Variable Speed Single Screw Compressor
- Removable 4-pipe header rack
- HydroLink Aurora® Controls w/color tablet





TRUCLIMATE® 900

30 ton

- Air-Cooled Heat Pump Chiller
- Dual variable speed compressors with vapor injection
- Integrated 4-pipe header rack
- Simultaneous heat recovery
- COP greater than 8 when in simultaneous mode
- Advanced frost mitigation and defrost
- HydroLink Aurora® Controls w/color tablet

WATER-TO-AIR HEAT PUMPS

| |  Versatec® 300 |  Versatec® 500 |  Versatec® 500 |  Versatec® 700 |
|--|---|---|--|--|
| Capacity Tons | 0.5 - 6 | 0.75 - 6 | 7-30 | 2-60 |
| Efficiency Water Loop Heat Pump | up to 14.7 EER up to 4.9 COP | up to 21.6 EER up to 6.4 COP | up to 17.5 EER up to 5.6 COP | up to 25.0 EER up to 7.8 COP |
| Compressor | Single-Stage Rotary (0.5-1.5 ton) Single-Stage Scroll (2-6 ton) | Single-Stage Rotary (0.75-1.5 ton) Single-Stage Scroll (2-6 ton) Dual-Stage Scroll (2-6 ton) | Dual Stage Scroll (7-10 ton) Dual Scroll (12-30 ton) | Variable Capacity Scroll (2-60 ton) |
| Blower Type | <ul style="list-style-type: none"> • 5-Speed ECM • Variable Speed ECM | <ul style="list-style-type: none"> • 5-Speed ECM • Variable Speed ECM • High Static Options | <ul style="list-style-type: none"> • Variable Speed Integrated Backward Curve ECM Plenum Fan | <ul style="list-style-type: none"> • Variable Speed ECM Plenum Fan |
| Cabinet Configuration | <ul style="list-style-type: none"> • Vertical Topflow • Horizontal | <ul style="list-style-type: none"> • Vertical Topflow • Horizontal | <ul style="list-style-type: none"> • Vertical Topflow • Horizontal | <ul style="list-style-type: none"> • Vertical Topflow • Vertical Bottomflow • Horizontal |
| Filter Size | <ul style="list-style-type: none"> • 1" MERV 4 | <ul style="list-style-type: none"> • 1" MERV 4 | <ul style="list-style-type: none"> • 1" MERV 4 | <ul style="list-style-type: none"> • 1" MERV 4 (2-6 ton) • 2" MERV 13 (10-15 ton) |
| Aurora Control Type | <ul style="list-style-type: none"> • Base • BACnet DDC | <ul style="list-style-type: none"> • Base • Advanced • BACnet DDC • IntelliZone2 | <ul style="list-style-type: none"> • Base • Advanced • Premium • BACnet DDC • IntelliZone2 | <ul style="list-style-type: none"> • Advanced • Premium • BACnet DDC • IntelliZone2 • VAV |
| Hot Water Generator (Coil Only) | NA | 015-072 Vertical Only | NA | 024-072 Vertical Only |
| Available Voltages | 208-230/60/1 265/60/1 208-230/60/3 460/60/3 | 208-230/60/1 265/60/1 208-230/60/3 460/60/3 | 208-230/60/3 460/60/3 575/60/3 with step down transformer | 208-230/60/1 208-230/60/3 460/60/3 575/60/3 with step down transformer |
| Air Coil | All-Aluminum | All-Aluminum | All-Aluminum | All-Aluminum |
| Options | <ul style="list-style-type: none"> • Coated Air Coil • Cupronickel Coax • Disconnect • Flow regulator • Internal 2-way Valve • MERV 13 • Phase Guard • Sound Kit • Stainless Steel Drain Pan • Waterside economizer | <ul style="list-style-type: none"> • Coated Coil • Cupronickel Coax • Disconnect • Flow regulator • Hot Gas Bypass • Hot Gas Reheat • Internal 2-way Valve • MERV 13 • Phase Guard • Sound Kit • Stainless Steel Drain Pan • Waterside economizer | <ul style="list-style-type: none"> • Head Pressure Control • Hot Gas Bypass • Internal 2-way Valve • Modulating Hot Gas Reheat • Waterside economizer | <ul style="list-style-type: none"> • Flow regulator • Head Pressure Control • Hot Gas Bypass • Internal 2-way Valve • Modulating Hot Gas Reheat • Waterside economizer |

|  |  |  |  |
|--|---|---|--|
| Versatec® 300 Consoles | Versatec® 500 Consoles | Versatec® 500 Rooftop | Versatec® 700 Indoor DOAS |
| 0.75-1.5 | 0.75-1.5 | 3-30 | 10-30 ton 2,000-8,000 cfm |
| 12.2 EER 4.3 - 4.4 COP | 12.3 - 13.6 EER 4.3 - 4.9 COP | 12.2 - 19.1 EER 4.2-6.4 COP | NA |
| Rotary (0.75-1.5 ton) | Rotary (0.75-1.5 ton) | Single-Speed Scroll (3-6 ton) Dual Capacity Scroll (3-6 ton) Dual Scroll (8-30 ton) | Variable Capacity Scroll with exhaust air energy recovery wheel (10-30 ton) |
| • 3-Speed ECM | • 3-Speed ECM | • 5-Speed ECM (3-6 ton) • Variable Speed ECM (3-6 ton) • Variable Speed Integrated Backward Curve ECM Plenum Fan | • Variable speed ECM backward inclined |
| • Slope Top • Flat Top • Chassis Only | • Slope Top • Extended Slope Top • Flat Top • Chassis Only | • Rooftop Downflow • Rooftop Sideflow • Optional Economizer | • Vertical Top Flow • Vertical Bottom Flow |
| • 1" MERV 4 | • 1" MERV 4 | • 2" MERV 8 • 2" MERV 13 • 4" MERV 13 | • See Page 28 |
| • Base • BACnet DDC | • Base • BACnet DDC | • Base • Premium • BACnet DDC • IntelliZone2 | • Advanced • Premium |
| NA | NA | NA | NA |
| 208-230/60/1 265/60/1 | 208-230/60/1 265/60/1 | 208-230/60/1 265/60/1 208-230/60/3 460/60/3 | 208-230/60/3 460/60/3 |
| All-Aluminum | All-Aluminum | All-Aluminum | All-Aluminum |
| • Unit or remote thermostat | • Unit or remote thermostat • Electric heat | • Airside Economizer • Enthalpy Sensors • Hot Gas Bypass • Hot Gas Reheat • Internal 2-way Valve | • Additional differential pressure or CO2 sensors • Airside Economizer • High efficiency or low pressure drop energy wheels • Modulating Hot Gas Reheat |

WATER-TO-WATER / WATER-COOLED / CHILLERS

| |  |  |  |  |
|--|---|--|--|--|
| | TruClimate® 100 | TruClimate® 100 | TruClimate® 100 | TruClimate® 100 Domestic Hot Water |
| Style | Water-to-Water Heat Pump | Water-to-Water Heat Pump | Water-to-Water Heat Pump | Water-to-Water Heat Pump |
| Sizes Available (Tons) | 2, 3.5, 4, 5 | 10, 12, 15 | 20, 30, 50 | 2, 10, 15, 20, 30 |
| Efficiency Water Loop Heat Pump | 12.3 - 15.5 EER 4.2 - 4.8 COP | 13.3 - 15.8 EER 3.9 - 4.6 COP | 15.2 - 17.4 EER 4.3 - 5.1 COP | 12.3 - 17.4 EER 4.2 - 5.1 COP |
| Ground Loop Heat Pump | 14.0 - 17.5 EER 2.9 - 3.1 COP | 15.8 - 22.0 EER 2.7 - 3.5 COP | 16.5 - 22.2 EER 3.0 - 3.7 COP | 14.0 - 22.2 EER 2.9 - 3.7 COP |
| Compressor | Single-Stage Scroll (2-5 ton) | Dual Scroll (10-15 ton) | Dual Scroll (20-30 ton) | Single-Stage Scroll (2 ton) Dual Scroll (10-30 ton) |
| Control Type | Aurora® Base | HydroLink2® Controls BACnet compatible | HydroLink2® Controls BACnet compatible | HydroLink2® Controls BACnet compatible |
| Hot Water Generator (Coil Only) | 036 - 060 models only | NA | NA | NA |
| Available Voltages | 208-230/60/1 265/60/1 208-230/60/3 460/60/3 575/60/3 | 208-230/60/1 208-230/60/3 460/60/3 575/60/3 | 208-230/60/3 380/60/3 460/60/3 575/60/3 | 208-230/60/3 380/60/3 460/60/3 575/60/3 |
| Options | <ul style="list-style-type: none"> Cupronickel coaxial heat exchangers | <ul style="list-style-type: none"> Back or Top water connection Front or back control box location | <ul style="list-style-type: none"> Factory-installed pressure transducers Field-installed piping accessories Fused disconnect Phase guard Temperature setpoint control software | <ul style="list-style-type: none"> Factory-installed pressure transducers (excl. 024) Field-installed piping accessories (excl. 024) Fused disconnect (excl. 024) Phase guard (excl. 024) Temperature setpoint control software (excl. 024) |

|  |  |  |  |
|--|--|--|---|
| TruClimate® 300 | TruClimate® 500 | TruClimate® 700 | TruClimate® 900 |
| Water-Cooled Chiller | Water-Cooled Chiller | Water-Cooled Chiller | Air-Cooled Heat Pump Chiller |
| 30, 50 | 20, 30, 40, 50, 60, 70, 80 | 140 | 30 |
| Full load: 0.74 kW/ton IPLV: 0.54 kW/ton | Full Load: 0.71 kw/ton IPLV: 0.54 kw/ton | Full Load: 0.85 kw/ton IPLV: 0.49 kw/ton | NA |
| Dual Scroll (30-50 tons) Optional lead VFD Scroll | Dual Scroll (20-80 tons) Optional lead VFD 30 and 50 ton Scroll | DC Inverted Variable Speed Single Screw (140) | Dual Variable Speed Vapor Injection |
| HydroLink2® Controls BACnet compatible | HydroLink2® Controls BACnet compatible | HydroLink2® Controls BACnet compatible | HydroLink2® Controls BACnet compatible |
| NA | NA | NA | NA |
| 208-230/60/3 460/60/3 575/60/3 | 208-230/60/3 460/60/3 575/60/3 | 460/60/3 | 208-230/60/3 460/60/3 |
| <ul style="list-style-type: none"> • Condenser strainer • Cupronickel condenser • Evaporator strainer • Fused Disconnect • Non-Fused Disconnect • Power Distribution Block | <ul style="list-style-type: none"> • Breaker with through the door disconnect • Fused disconnect • Pipe rack: <ul style="list-style-type: none"> - 4 Pipe Standard - 4 Pipe Reversing - 4 Pipe Dedicated - 6 Pipe Standard - 6 Pipe Dedicated | | <ul style="list-style-type: none"> • Condenser strainer • Evaporator Strainer |

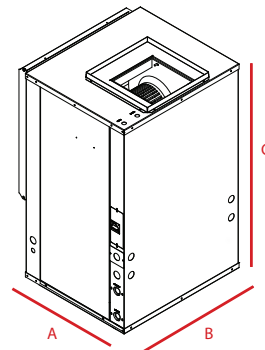
0.5-6 TON WATER-TO-AIR HEAT PUMP

Standard Features:

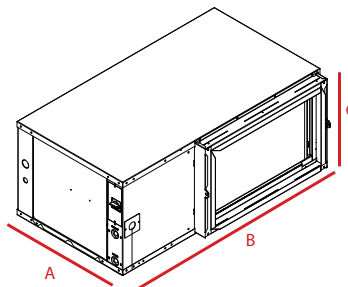
- Capacities: 6,000 through 70,000 Btu/h
- Voltages: 208-230/60/1, 265-277/60/1, 208-230/60/3, and 460/60/3
- Oversized copper coaxial water heat exchanger
- All aluminum air coils (fins & tubes) eliminate formicary corrosion
- Quiet single speed rotary or scroll compressors in all models, double isolation mounted
- ECM, constant torque blower for increased efficiency
- Aurora® Base Controls
- Foil-faced cleanable insulation
- Composite double sloped drain pan
- 1 in. MERV 4 filter

Optional Features:

- Variable Speed ECM fan motors
- Painted Cabinet
- Filter Rack
- Phase guard rotary disconnect
- Stainless steel drain pan with secondary drain connection
- Extended range insulation option
- AlumiSeal® air coil e-coating
- 2 in. MERV 13 filter
- Waterside economizer
- Cupronickel water coil
- Aurora® DDC Compatible



Vertical



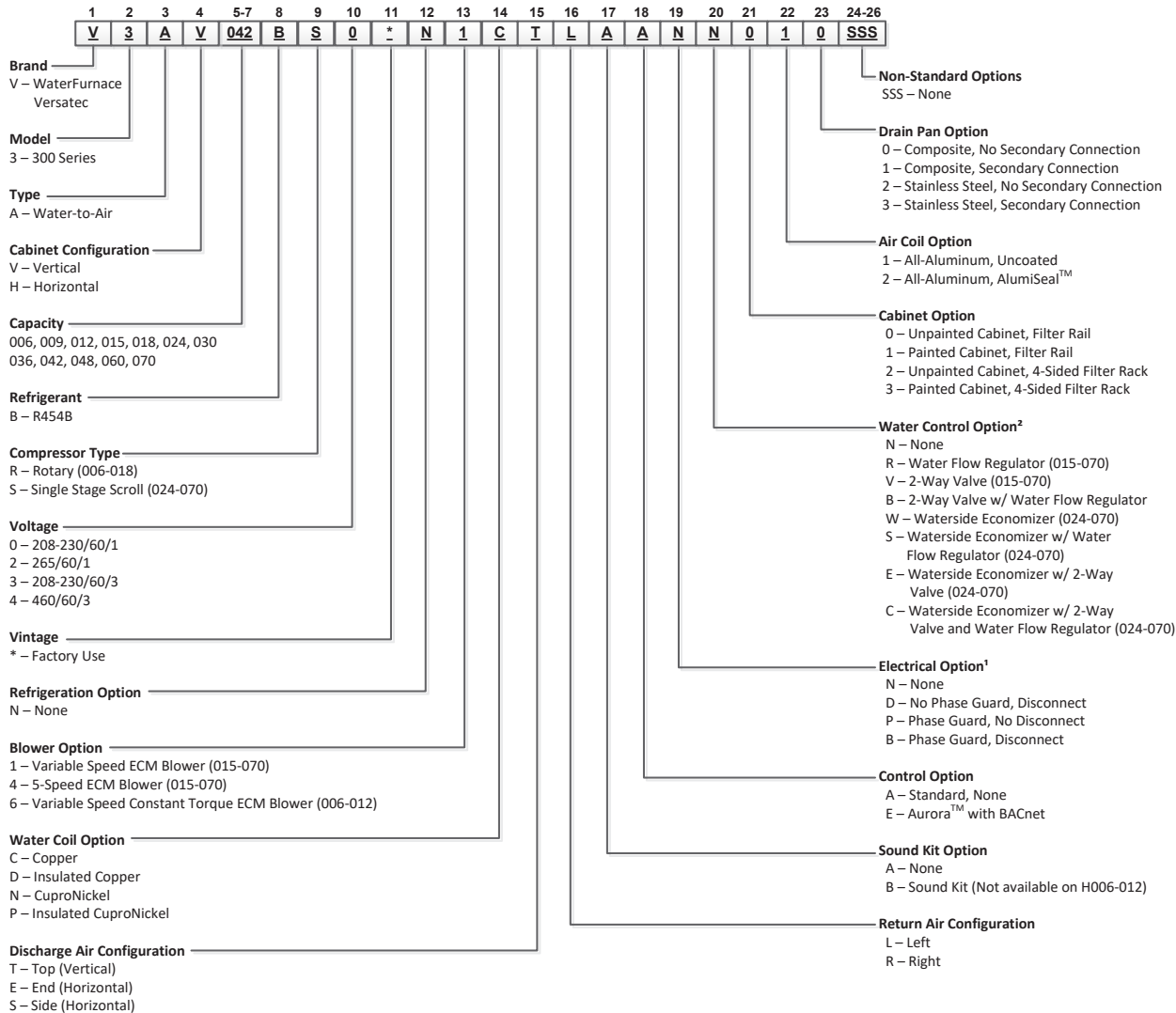
Horizontal

| Vertical Cabinets | Overall Cabinet Dimensions | | |
|-------------------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 006-012 | 19.2 [48.8] | 19.2 [48.8] | 24.2 [61.5] |
| 015-018 | 22.5 [57.2] | 22.2 [56.4] | 30.2 [76.7] |
| 024-030 | 22.5 [57.2] | 22.2 [56.4] | 36.2 [91.9] |
| 036 | 22.5 [57.2] | 26.2 [66.5] | 40.2 [102.1] |
| 042-048 | 22.5 [57.2] | 26.2 [66.5] | 44.2 [112.3] |
| 060 | 25.5 [64.8] | 31.2 [79.2] | 44.2 [112.3] |
| 070 | 25.5 [64.8] | 31.2 [79.2] | 48.2 [122.4] |

| Horizontal Cabinets | Overall Cabinet Dimensions | | |
|---------------------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 006-012 | 19.2 [48.8] | 35.0 [88.9] | 12.9 [32.8] |
| 015-018 | 22.5 [57.2] | 35.0 [88.9] | 17.2 [43.7] |
| 024-030 | 22.5 [57.2] | 42.0 [106.7] | 17.2 [43.7] |
| 036 | 22.5 [57.2] | 42.0 [106.7] | 19.2 [48.8] |
| 042-048 | 22.5 [57.2] | 45.0 [114.3] | 19.2 [48.8] |
| 060 | 25.5 [64.8] | 48.0 [121.9] | 21.2 [53.8] |
| 070 | 25.5 [64.8] | 53.0 [134.6] | 21.2 [53.8] |



V3AV042BS0*N1CTLAANN010SSS



AHRI/ASHRAE/ISO 13256-1

| Model | Flow Rate | | Water Loop Heat Pump | | | | Ground Water Heat Pump | | | | Ground Loop Heat Pump | | | |
|-------|-----------|------|----------------------|---------------|---------------------|-----|------------------------|---------------|---------------------|-----|-----------------------|---------------|---------------------|-----|
| | | | Cooling EWT 86°F | | Heating EWT 68°F | | Cooling EWT 59°F | | Heating EWT 50°F | | Cooling EWT 77°F | | Heating EWT 32°F | |
| | gpm | cfm | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP |
| 006 | 2.0 | 250 | 7,500 | 15.0 | 9,000 | 5.0 | 9,000 | 25.0 | 8,000 | 4.2 | 8,000 | 17.0 | 6,000 | 3.5 |
| 009 | 3.0 | 350 | 9,500 | 14.3 | 12,000 | 4.4 | 11,000 | 23.0 | 10,000 | 4.0 | 10,000 | 16.0 | 8,000 | 3.3 |
| 012 | 3.0 | 400 | 11,500 | 14.0 | 14,500 | 4.5 | 13,100 | 22.8 | 12,100 | 4.0 | 11,800 | 16.5 | 9,300 | 3.5 |
| 015 | 4.0 | 550 | 15,000 | 14.5 | 16,500 | 4.6 | 16,500 | 23.0 | 13,500 | 4.2 | 15,000 | 16.5 | 11,000 | 3.5 |
| 018 | 5.0 | 600 | 18,000 | 14.2 | 20,000 | 4.5 | 20,000 | 22.0 | 18,000 | 4.0 | 18,400 | 16.2 | 14,000 | 3.5 |
| 024 | 6.0 | 800 | 24,000 | 15.0 | 28,000 | 5.2 | 26,000 | 23.0 | 24,000 | 4.5 | 24,800 | 17.8 | 18,500 | 3.7 |
| 030 | 8.0 | 900 | 27,000 | 14.4 | 35,000 | 4.8 | 30,000 | 20.0 | 29,000 | 4.3 | 28,000 | 16.0 | 22,000 | 3.6 |
| 036 | 9.0 | 1150 | 35,000 | 15.7 | 43,000 | 5.0 | 40,000 | 23.5 | 35,000 | 4.4 | 36,000 | 17.5 | 27,000 | 3.7 |
| 042 | 11.0 | 1400 | 40,000 | 15.5 | 50,000 | 5.2 | 45,000 | 23.0 | 41,000 | 4.6 | 42,000 | 17.5 | 32,000 | 3.7 |
| 048 | 12.0 | 1550 | 48,000 | 14.6 | 62,000 | 4.8 | 52,000 | 20.0 | 50,000 | 4.2 | 50,000 | 16.5 | 38,000 | 3.5 |
| 060 | 15.0 | 1900 | 59,000 | 15.0 | 70,500 | 4.8 | 66,500 | 22.0 | 59,000 | 4.3 | 62,000 | 17.0 | 47,000 | 3.6 |
| 070 | 18.0 | 2100 | 65,000 | 14.1 | 77,500 | 4.6 | 73,000 | 19.0 | 64,500 | 4.1 | 67,000 | 15.5 | 51,000 | 3.4 |

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature
 Heating capacities based upon 68°F DB, 59°F WB entering air temperature
 All ratings based upon 208V operation

4/30/24

Performance Data and Unit Ratings can be found on WeDoGeo.com

Contact your WaterFurnace® Sales Representative for assistance.



All Versatec 300 Series models are safety listed and conforms to UL Standards 60335-1 & 60335-2-40 / Certified to CSA STDSC22.2 60335-1 & 60335-2-40 through ETL.
 Performance listed with AHRI in accordance with ASHRAE/ANSI/AHRI/ISO Standard 13256-1.

VERSATEC® 500 WSHP

0.75-6 TON

WATER-TO-AIR HEAT PUMP

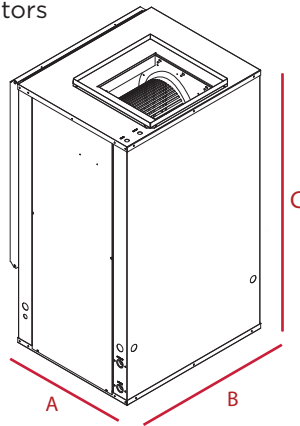
Standard Features:

- Capacities: 9,000 through 72,000 Btu/h
- Voltages: 208-230/60/1, 265-277/60/1, 208-230/60/3, and 460/60/3
- Oversized copper coaxial water heat exchanger
- All aluminum air coils (fins & tubes) eliminate formicary corrosion
- High efficiency rotary, single speed scroll or dual capacity scroll compressors which are double isolation mounted
- ECM, constant torque, blower for increased efficiency
- Aurora® Base Controls
- Foil-faced cleanable insulation
- Composite double sloped drain pan
- 75VA transformer with circuit breaker
- 1 in. MERV 4 filter

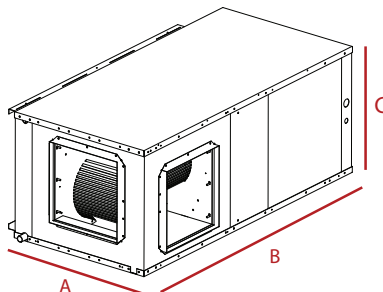


Optional Features:

- 5-speed ECM or Variable Speed ECM fan motors
- Painted Cabinet
- Optional 4 sided filter rack
- Phase guard with optional 'dial' disconnect
- Stainless steel drain pan w/secondary drain connection
- Extended range insulation option
- AlumiSeal® air coil e-coating
- 2 in. MERV 13 filter
- Waterside economizer
- Cupronickel water coil
- Internal motorized 2-way valve
- Water flow regulator
- Sound kit
- Aurora® Advanced Control
- Aurora® UPC2 BACnet (+ N2)
- IntelliZone® Commercial and IntelliZone® BACnet capabilities
- High static fan options
- Hot Gas Bypass
- Hot Gas Reheat
- Hot Water Generation



Vertical



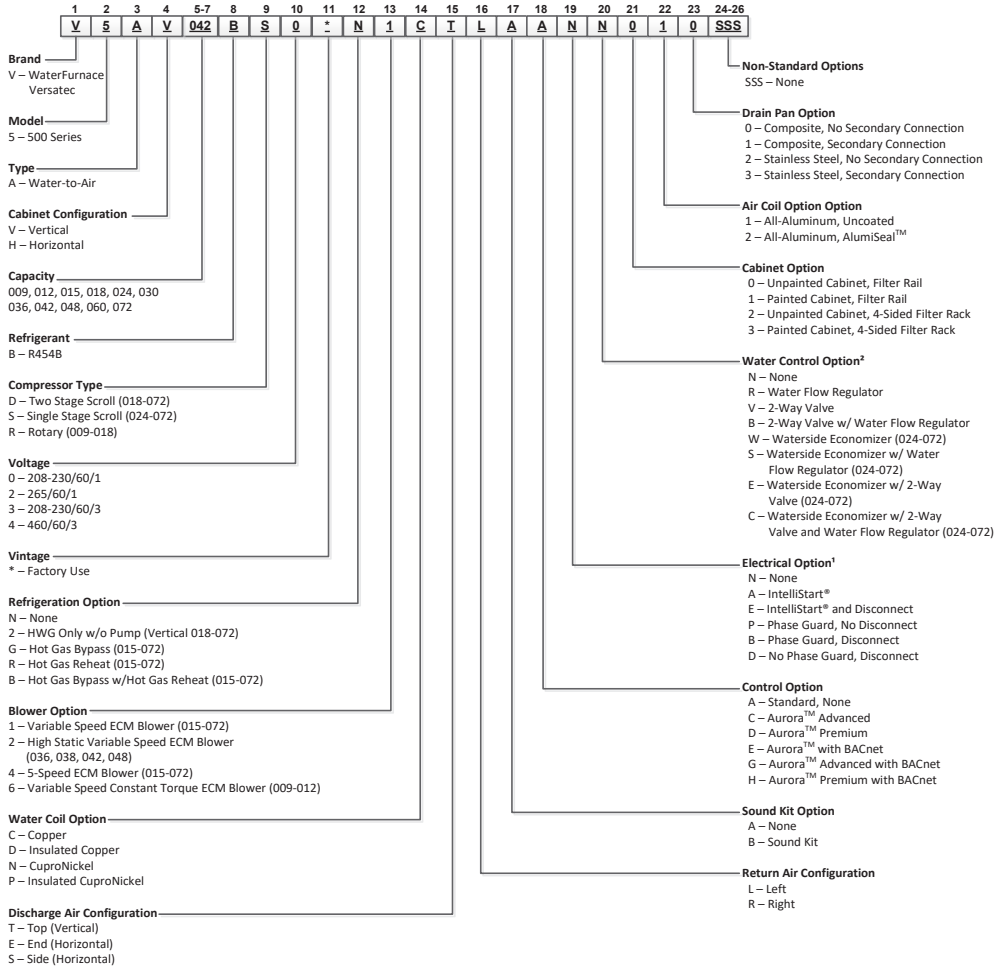
Horizontal

| Vertical Cabinets | Overall Cabinet Dimensions | | |
|-------------------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 009-012 | 22.5 [57.2] | 22.2 [56.4] | 30.2 [76.7] |
| 015-018 | 22.5 [57.2] | 26.2 [66.5] | 40.2 [102.1] |
| 024-030 | 22.5 [57.2] | 26.2 [66.5] | 44.2 [112.3] |
| 036-038 | 25.5 [64.8] | 31.2 [79.2] | 44.2 [112.3] |
| 042-049 | 25.5 [64.8] | 31.2 [79.2] | 48.2 [122.4] |
| 060-072 | 25.5 [64.8] | 31.2 [79.2] | 52.2 [132.6] |

| Horizontal Cabinets | Overall Cabinet Dimensions | | |
|---------------------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 009-012 | 22.5 [57.2] | 35.0 [88.9] | 17.2 [43.7] |
| 015-018 | 22.5 [57.2] | 42.0 [106.7] | 19.2 [48.8] |
| 024-030 | 22.5 [57.2] | 45.0 [114.3] | 19.2 [48.8] |
| 036-038 | 25.5 [64.8] | 48.0 [121.9] | 21.2 [53.8] |
| 042-049 | 25.5 [64.8] | 53.0 [134.6] | 21.2 [53.8] |
| 060-064 | 25.5 [64.8] | 61.0 [154.9] | 21.2 [53.8] |
| 070-072 | 25.5 [64.8] | 68.0 [172.7] | 21.2 [53.8] |



V5AV042BS0*N1CTLAANN010SSS



Note:
 1 – Phase Guard Only Available on 208-230/60/3 and 460/60/3.
 2 – Waterside economizer option must be ordered with stainless steel drain pan.

AHRI/ASHRAE/ISO 13256-1

| Model | Capacity Modulation | Flow Rate | | Water Loop Heat Pump | | | | Ground Water Heat Pump | | | | Ground Loop Heat Pump | | | |
|-------|---------------------|-----------|------|----------------------|------------|------------------|-----|------------------------|------------|------------------|-----|---|------------|---|-----|
| | | | | Cooling EWT 86°F | | Heating EWT 68°F | | Cooling EWT 59°F | | Heating EWT 50°F | | Cooling Brine Full Load 77°F Part Load 68°F | | Heating Brine Full Load 32°F Part Load 41°F | |
| | | gpm | cfm | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP |
| 009 | Single | 3.0 | 350 | 10,000 | 15.5 | 12,000 | 4.6 | 12,000 | 23.1 | 10,000 | 4.1 | 11,000 | 16.5 | 8,500 | 3.4 |
| 012 | Single | 3.5 | 400 | 12,000 | 16.0 | 15,000 | 5.2 | 14,000 | 26.0 | 12,400 | 4.3 | 13,000 | 18.0 | 9,500 | 3.6 |
| 015 | Single | 4.0 | 500 | 15,000 | 16.8 | 19,000 | 5.5 | 17,000 | 28.0 | 16,000 | 4.9 | 15,500 | 19.5 | 12,000 | 4.1 |
| 018 | Single | 5.0 | 600 | 18,000 | 15.5 | 23,000 | 5.3 | 20,600 | 25.0 | 18,500 | 4.6 | 18,500 | 18.3 | 14,500 | 4.0 |
| 024 | Single | 8.0 | 800 | 24,500 | 17.5 | 30,000 | 5.4 | 28,000 | 28.0 | 24,000 | 4.7 | 26,000 | 20.6 | 19,000 | 4.0 |
| 030 | Single | 8.0 | 900 | 30,000 | 17.5 | 36,000 | 5.3 | 33,000 | 28.0 | 30,000 | 4.5 | 30,000 | 21.0 | 23,000 | 3.9 |
| 036 | Single | 9.0 | 1200 | 36,000 | 18.8 | 39,000 | 5.8 | 39,000 | 29.0 | 32,000 | 5.0 | 37,500 | 21.5 | 26,000 | 4.2 |
| 042 | Single | 11.0 | 1300 | 42,000 | 18.4 | 49,000 | 6.0 | 45,000 | 27.0 | 39,000 | 5.2 | 42,000 | 21.2 | 32,000 | 4.2 |
| 048 | Single | 12.0 | 1500 | 49,000 | 16.8 | 58,500 | 5.6 | 53,500 | 26.0 | 48,000 | 4.8 | 51,000 | 19.0 | 38,500 | 4.2 |
| 060 | Single | 15.0 | 1800 | 61,500 | 16.8 | 71,000 | 5.3 | 68,000 | 25.0 | 59,200 | 4.7 | 63,000 | 19.2 | 47,900 | 3.9 |
| 072 | Single | 18.0 | 2000 | 67,000 | 15.3 | 86,000 | 5.1 | 76,000 | 23.0 | 68,000 | 4.4 | 70,000 | 17.8 | 54,000 | 3.7 |
| 018 | Full | 5.0 | 600 | 17,600 | 16.8 | 22,500 | 5.7 | 20,800 | 27.0 | 18,900 | 5.0 | 18,700 | 19.8 | 14,700 | 4.2 |
| | Part | 4.0 | 500 | 13,400 | 16.9 | 17,000 | 6.1 | 15,200 | 29.5 | 14,200 | 5.1 | 14,700 | 24.8 | 12,400 | 4.7 |
| 024 | Full | 8.0 | 950 | 23,800 | 16.1 | 28,000 | 5.7 | 26,400 | 25.2 | 23,300 | 4.9 | 25,000 | 19.2 | 19,400 | 4.1 |
| | Part | 7.0 | 750 | 17,700 | 18.3 | 20,300 | 6.4 | 19,700 | 31.8 | 16,900 | 5.2 | 19,600 | 26.6 | 15,800 | 4.6 |
| 030 | Full | 8.0 | 1000 | 30,800 | 17.3 | 38,600 | 5.6 | 35,200 | 27.5 | 31,100 | 4.8 | 32,300 | 20.3 | 24,600 | 4.0 |
| | Part | 7.0 | 800 | 22,400 | 19.0 | 27,200 | 6.1 | 26,100 | 35.9 | 21,800 | 4.9 | 24,800 | 28.7 | 19,400 | 4.3 |
| 036 | Full | 9.0 | 1300 | 36,400 | 17.9 | 43,300 | 6.1 | 41,800 | 28.4 | 36,000 | 5.3 | 38,500 | 20.8 | 29,600 | 4.5 |
| | Part | 8.0 | 1150 | 27,600 | 20.0 | 31,200 | 6.8 | 31,000 | 35.6 | 25,900 | 5.5 | 30,300 | 30.0 | 23,600 | 5.0 |
| 042 | Full | 11.0 | 1300 | 40,100 | 16.5 | 50,500 | 5.9 | 46,200 | 26.6 | 41,700 | 5.2 | 41,700 | 19.2 | 33,700 | 4.4 |
| | Part | 10.0 | 1200 | 29,300 | 17.5 | 36,500 | 6.8 | 34,400 | 32.7 | 29,700 | 5.5 | 33,100 | 26.9 | 26,600 | 4.9 |
| 048 | Full | 12.0 | 1600 | 46,600 | 16.1 | 59,600 | 5.7 | 53,100 | 24.9 | 49,300 | 5.1 | 50,500 | 18.9 | 40,100 | 4.4 |
| | Part | 11.0 | 1400 | 34,300 | 17.4 | 43,100 | 6.7 | 39,900 | 32.7 | 35,500 | 5.5 | 39,200 | 27.3 | 32,000 | 5.0 |
| 060 | Full | 16.0 | 1800 | 61,600 | 16.5 | 64,600 | 5.2 | 68,400 | 24.2 | 56,100 | 4.7 | 66,000 | 19.3 | 47,600 | 4.1 |
| | Part | 14.0 | 1500 | 42,900 | 17.4 | 45,800 | 5.9 | 49,400 | 31.4 | 38,700 | 4.9 | 49,100 | 26.5 | 35,500 | 4.4 |
| 072 | Full | 18.0 | 2000 | 70,100 | 16.0 | 87,800 | 5.1 | 78,100 | 23.1 | 71,400 | 4.6 | 73,400 | 18.3 | 57,900 | 4.0 |
| | Part | 16.0 | 1500 | 52,800 | 17.2 | 64,800 | 5.4 | 58,900 | 29.7 | 52,600 | 4.6 | 56,300 | 25.1 | 47,600 | 4.2 |

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature. Heating capacities based upon 68°F DB, 59°F WB entering air temperature. All ratings based upon 208V operation 5/7/24

VERSATEC® 500 WSHP 0.75-6 TON

Performance Data and Unit Ratings can be found on WeDoGeo.com

Contact your WaterFurnace® Sales Representative for assistance.



All Versatec 500 Series models are safety listed and conforms to UL STDS 60335-1 & 60335-2-40 / Certified to CSA STDSC22.2 60335-1 & 60335-2-40 through ETL. Performance listed with AHRI in accordance with ASHRAE/ANSI/AHRI/ISO Standard 13256-1.

VERSATEC® 500 WSHP

7-30 TON

WATER-TO-AIR HEAT PUMP

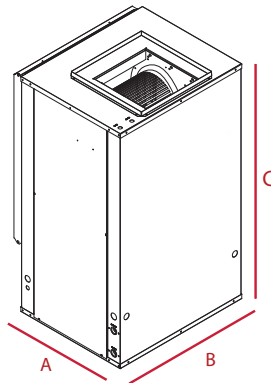
Standard Features:

- Capacities: 84,000 through 360,000 Btu/h
- Voltages: 208-230/60/3, 460/60/3, and 575/60/3
- Oversized copper coaxial water heat exchanger
- All aluminum air coils (fins & tubes) eliminate formicary corrosion
- High efficiency two stage scroll or single-phase, two circuit scroll compressors which are double isolation mounted
- High Efficiency variable speed, backward inclined plenum fan with 2" w.g. ESP capability
- Aurora® Base Controls
- Foil-faced cleanable insulation
- Composite double sloped drain pan
- 75VA transformer with circuit breaker
- Take-apart cabinets (20-30 ton)
- 1 in. MERV 4 filter



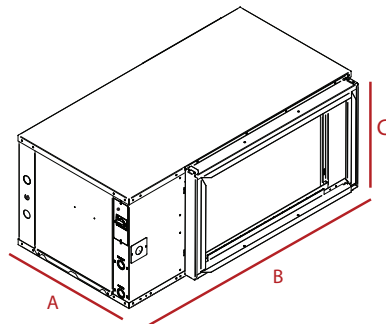
Optional Features:

- Painted Cabinet
- Filter Rack
- Electronic expansion device with stepper motor, in-line valve design operated by direct drive motor technology (Advanced EEV)
- Waterside Economizer
- Head pressure control capabilities
- Sound kit
- Aurora® Advanced Control
- Aurora® UPC2 BACnet (+ N2)
- Modulating hot gas reheat
- IntelliZone® Commercial and IntelliZone® BACnet capabilities



Vertical

| Vertical Cabinets | Overall Cabinet Dimensions | | |
|-------------------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 084-120 | 34.0 [86.4] | 36.3 [92.2] | 72.5 [184.2] |
| 150-180 | 34.0 [86.4] | 46.3 [117.5] | 72.5 [184.2] |
| 240-360 | 34.0 [86.4] | 88.0 [34.6] | 80.0 [31.5] |

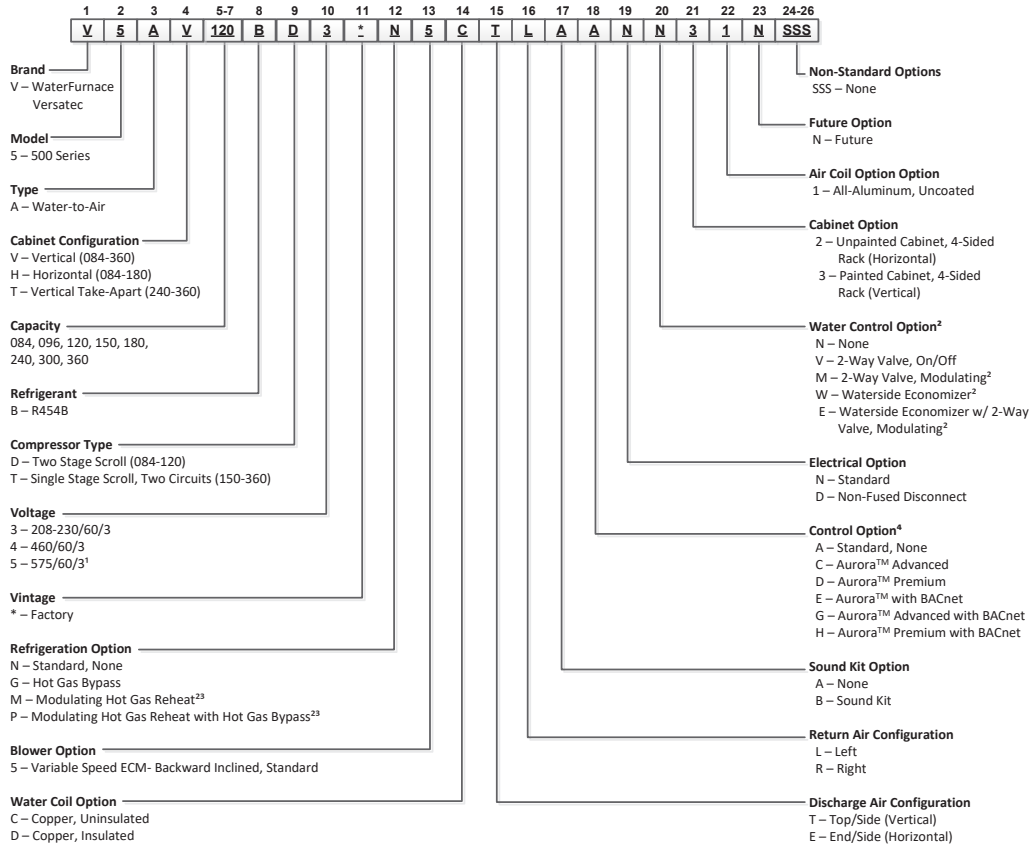


Horizontal

| Horizontal Cabinets | Overall Cabinet Dimensions | | |
|---------------------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 084-120 | 34.0 [86.4] | 89.0 [226.1] | 29.9 [75.9] |
| 150-180 | 34.0 [86.4] | 110.0 [279.4] | 29.9 [75.9] |



V5AV120BD3*N5CTLAANN31NSSS



Note:
 1- 575V option includes a factory installed stepdown transformer.
 2- Available with Advanced and Premium Controls only.
 3- Not available on H180
 4- Dual compressor models 150-360 require BACnet.
 * Head Pressure Control can be ordered by selecting Premium Controls, Modulating Hot Gas Reheat and Modulating Water Valve.
 ** Flow meter externally mounted.
 *** Premium Controls Option includes electronic expansion valve (EEV).

AHRI/ASHRAE/ISO 13256-1

| Model | Capacity Modulation | Flow Rate | | Water Loop Heat Pump | | | | Ground Water Heat Pump | | | | Ground Loop Heat Pump | | | |
|-------------------|---------------------|-----------|------|----------------------|------------|------------------|-----|------------------------|------------|------------------|-----|---|------------|---|-----|
| | | | | Cooling EWT 86°F | | Heating EWT 68°F | | Cooling EWT 59°F | | Heating EWT 50°F | | Cooling Brine Full Load 77°F Part Load 68°F | | Heating Brine Full Load 52°F Part Load 41°F | |
| | | gpm | cfm | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP |
| VERTICAL | | | | | | | | | | | | | | | |
| 084 | Full Part | 21 | 2500 | 86,000 | 15.0 | 105,000 | 5.0 | 97,000 | 21.0 | 86,000 | 4.4 | 90,000 | 17.0 | 69,000 | 3.8 |
| | | 14 | 1750 | 58,000 | 16.0 | 68,000 | 5.2 | 67,000 | 28.0 | 56,000 | 4.5 | 64,000 | 23.5 | 49,500 | 4.0 |
| 096 | Full Part | 24 | 2800 | 95,000 | 15.0 | 120,000 | 5.0 | 105,000 | 20.0 | 97,000 | 4.4 | 98,000 | 16.5 | 76,000 | 3.6 |
| | | 16 | 1900 | 63,000 | 15.7 | 76,000 | 5.2 | 73,000 | 26.0 | 62,000 | 4.5 | 69,000 | 21.5 | 54,000 | 3.8 |
| 120 | Full Part | 30 | 3600 | 120,000 | 15.0 | 139,500 | 5.0 | 135,000 | 21.0 | 111,000 | 4.0 | 123,500 | 16.5 | 89,000 | 3.5 |
| | | 20 | 2400 | 78,000 | 16.0 | 88,000 | 5.1 | 92,000 | 26.5 | 71,000 | 4.1 | 87,000 | 22.5 | 62,000 | 3.6 |
| 150 | Full Part | 36 | 4500 | 145,000 | 15.0 | 140,000 | 4.3 | 156,000 | 20.0 | 120,000 | 4.1 | 150,000 | 16.6 | 90,000 | 3.2 |
| | | 18 | 2300 | 70,000 | 16.0 | 67,000 | 4.6 | 80,000 | 21.0 | 55,000 | 4.2 | 75,000 | 19.0 | 50,000 | 3.3 |
| 180 | Full Part | 45 | 5200 | 175,000 | 13.5 | 185,000 | 4.3 | 190,000 | 19.0 | 152,000 | 3.8 | 180,000 | 15.5 | 122,000 | 3.2 |
| | | 28 | 2800 | 87,000 | 14.5 | 90,000 | 4.4 | 95,000 | 22.0 | 71,000 | 4.0 | 92,000 | 19.0 | 66,000 | 3.3 |
| 240 | Full Part | 60 | 7500 | 245,000 | 17.0 | 255,000 | 4.8 | 270,000 | 25.0 | 212,000 | 4.2 | 245,000 | 19.0 | 150,000 | 3.3 |
| | | 35 | 5400 | 132,000 | 18.0 | 118,000 | 5.7 | 150,000 | 30.0 | 91,000 | 4.7 | 146,000 | 24.0 | 84,000 | 4.5 |
| 300 | Full Part | 75 | 9000 | 300,000 | 14.5 | 340,000 | 4.2 | 350,000 | 21.0 | 255,000 | 3.5 | 317,000 | 16.7 | 196,000 | 3.7 |
| | | 40 | 5500 | 140,000 | 16.0 | 140,000 | 4.3 | 155,000 | 22.0 | 110,000 | 3.6 | 153,000 | 17.5 | 97,000 | 3.8 |
| 360 | Full Part | 90 | 9900 | 350,000 | 12.0 | 385,000 | 3.4 | 398,000 | 17.0 | 325,000 | 3.2 | 375,000 | 14.0 | 260,000 | 2.8 |
| | | 45 | 5500 | 152,000 | 12.1 | 165,000 | 3.6 | 180,000 | 18.0 | 135,000 | 3.3 | 172,000 | 15.0 | 118,000 | 3.0 |
| HORIZONTAL | | | | | | | | | | | | | | | |
| H084 | Full Part | 21 | 2500 | 81,000 | 14.3 | 99,700 | 4.8 | 92,100 | 20.0 | 81,700 | 4.2 | 85,500 | 16.2 | 65,500 | 3.6 |
| | | 14 | 1750 | 55,100 | 15.2 | 64,600 | 4.9 | 63,600 | 26.6 | 53,200 | 4.3 | 60,800 | 22.3 | 47,000 | 3.8 |
| H096 | Full Part | 24 | 2800 | 90,250 | 14.3 | 114,000 | 4.8 | 99,700 | 19.0 | 92,100 | 4.2 | 93,100 | 15.7 | 72,200 | 3.4 |
| | | 16 | 1900 | 59,800 | 14.9 | 72,200 | 4.9 | 69,300 | 24.7 | 58,900 | 4.3 | 65,500 | 20.4 | 51,300 | 3.6 |
| H120 | Full Part | 30 | 3600 | 114,000 | 14.3 | 132,500 | 4.8 | 128,200 | 20.0 | 105,400 | 3.8 | 117,300 | 15.7 | 84,500 | 3.3 |
| | | 20 | 2400 | 74,100 | 15.2 | 83,600 | 4.8 | 87,400 | 25.2 | 67,400 | 3.9 | 82,600 | 21.4 | 58,900 | 3.4 |
| H150 | Full Part | 36 | 4500 | 142,100 | 14.7 | 137,200 | 4.2 | 152,880 | 19.6 | 117,600 | 4.0 | 147,000 | 16.3 | 88,200 | 3.1 |
| | | 18 | 2300 | 68,600 | 15.7 | 65,660 | 4.5 | 78,400 | 20.6 | 53,900 | 4.1 | 73,500 | 18.6 | 49,000 | 3.2 |
| H180 | Full Part | 45 | 5200 | 171,500 | 13.2 | 181,300 | 4.2 | 186,200 | 18.6 | 148,960 | 3.7 | 176,400 | 15.2 | 119,560 | 3.1 |
| | | 28 | 2800 | 85,260 | 14.2 | 88,200 | 4.3 | 93,100 | 21.6 | 69,580 | 3.9 | 90,160 | 18.6 | 64,680 | 3.2 |

5/7/24

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature. Heating capacities based upon 68°F DB, 59°F WB entering air temperature. All ratings based upon 208V operation. Models 084-120 are rated and certified in accordance with ISO/AHRI/ASHRAE 13256-1. Models 150-360 are rated in accordance with ISO/AHRI/ASHRAE 13256-1 but are not certified since their capacity exceeds the scope of the AHRI program.

Performance Data and Unit Ratings can be found on **WeDoGeo.com**
 Contact your WaterFurnace® Sales Representative for assistance.



All Versatec 500 Series models are safety listed and conforms to UL STDS 60335-1 & 60335-2-40 / Certified to CSA STDSC22.2 60335-1 & 60335-2-40 through ETL. Performance listed with AHRI in accordance with ASHRAE/ANSI/AHRI/ISO Standard 13256-1 (Models: 084, 096, 120) Performance verified in accordance with ASHRAE/ANSI/AHRI/ISO Standard 13256-1 (Models: 150, 180, 240, 300, 360)

VERSATEC® 700 WSHP

2-6 TON

WATER-TO-AIR HEAT PUMP

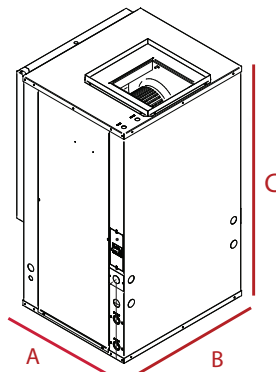
Standard Features:

- Capacities: 24,000 through 72,000 Btu/h
- Voltages: 208-230/60/1, 208-230/60/3, and 460/60/3
- Oversized copper coaxial water heat exchanger
- All aluminum air coils (fins & tubes) eliminate formicary corrosion
- High efficiency permanent magnet variable speed scroll compressors which are double isolation mounted
- High Efficiency variable speed ECM fan motors
- Aurora® Advanced Controls
- Foil-faced cleanable insulation
- Composite double sloped drain pan
- 75VA transformer with circuit breaker
- EEV
- 1 in. MERV 4 filter

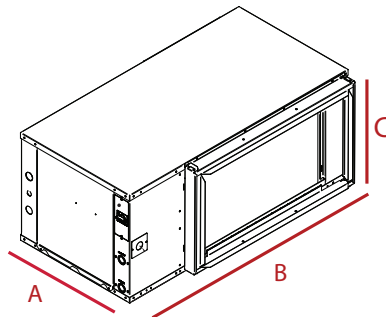


Optional Features:

- Painted Cabinet
- Filter Rack
- Stainless steel drain pan with secondary drain connection
- Extended range insulation option
- AlumiSeal® air coil e-coating
- 2 in. MERV 13 filter
- Water-side economizer
- Cupronickel water coil
- Water flow regulator
- Sound kit
- Aurora® UPC2 BACnet (+ N2)
- Hot Gas Bypass
- Modulating Hot Gas Reheat
- Hot Water Generation



Vertical



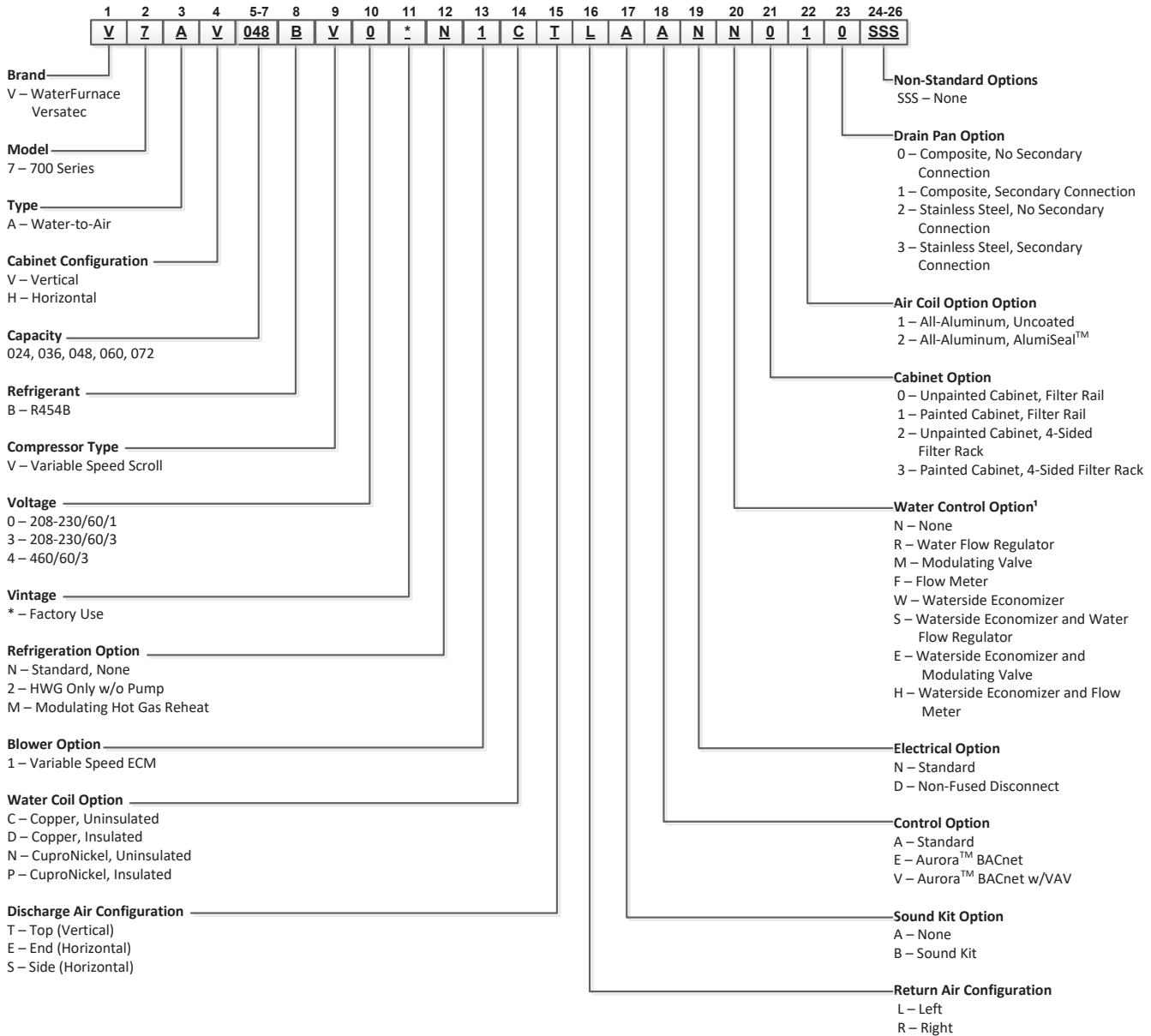
Horizontal

| Vertical Cabinets | Overall Cabinet Dimensions | | |
|-------------------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 024-036 | 25.5 [64.8] | 31.2 [79.2] | 44.2 [112.3] |
| 048 | 25.5 [64.8] | 31.2 [79.2] | 48.2 [122.4] |
| 060-072 | 25.5 [64.8] | 31.2 [79.2] | 52.2 [132.6] |

| Horizontal Cabinets | Overall Cabinet Dimensions | | |
|---------------------|----------------------------|----------------------|-----------------------|
| | A (WIDTH) in [cm] | B (DEPTH) in [cm] | C (HEIGHT) in [cm] |
| 024-036 | 25.5 [64.8] | 57.0 [144.8] | 21.2 [53.8] |
| 048 | 25.5 [64.8] | 63.0 [160.0] | 21.2 [53.8] |
| 060 | 25.5 [64.8] | 70.0 [177.8] | 21.2 [53.8] |
| 072 | 25.5 [64.8] | 75.0 [190.5] | 21.2 [53.8] |



V7AV048BV0*N1CTLAANN010SSS



Note:
1 - Waterside economizer option must be ordered with stainless steel drain pan.

Performance Data and Unit Ratings can be found on **WeDoGeo.com**
Contact your WaterFurnace® Sales Representative for assistance.



All Versatec 700 Series models are safety listed and conforms to UL STDS 60335-1 & 60335-2-40 / Certified to CSA STDSC22.2 60335-1 & 60335-2-40 through ETL. Performance listed with AHRI in accordance with ASHRAE/ANSI/AHRI/ISO Standard 13256-1.

VERSATEC® 700 WSHP

10-60 TON

WATER-TO-AIR HEAT PUMP

Standard Features

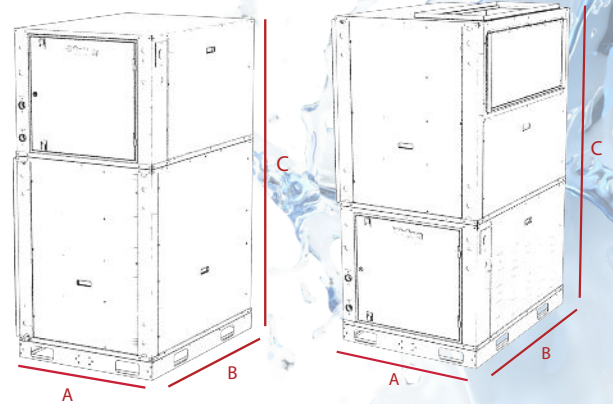
- Capacities: 120,000 through 180,000 Btu/h
- Voltages: 208-230/60/3, 460/60/3 and 575/60/3 upon request
- Oversized copper coaxial water heat exchanger
- All aluminum air coils (fins & tubes) eliminate formicary corrosion
- High efficiency permanent magnet variable speed scroll compressors which are double isolation mounted
- High efficiency integrated variable speed ECM backward curved plenum fans
- Aurora® Advanced Controls
- Foil-faced cleanable insulation
- Composite double sloped drain pan
- 75VA transformer with circuit breaker
- EEV
- Sizes up to 60 tons when 10-15 ton units are twinned together
- 1 in. MERV 4 filter

Optional Features

- Painted Cabinet
- Filter Rack
- Stainless steel drain pan with secondary drain connection
- Extended range insulation
- AlumiSeal® air coil e-coating
- 2 in. MERV 13 filter
- Integrated Water-side economizer
- Internal motorized 2-way valve
- Water flow regulator
- Sound kit
- Aurora UPC2 BACnet (+ N2)
- Modulating Hot Gas Reheat
- Multi-zone and single-zone VAV
- IntelliZone® Commercial and IntelliZone® BACnet capabilities

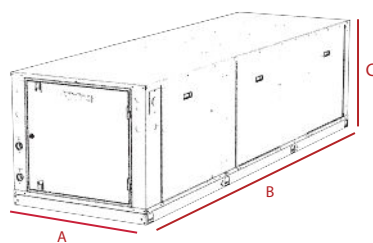


Twinned Unit Shown

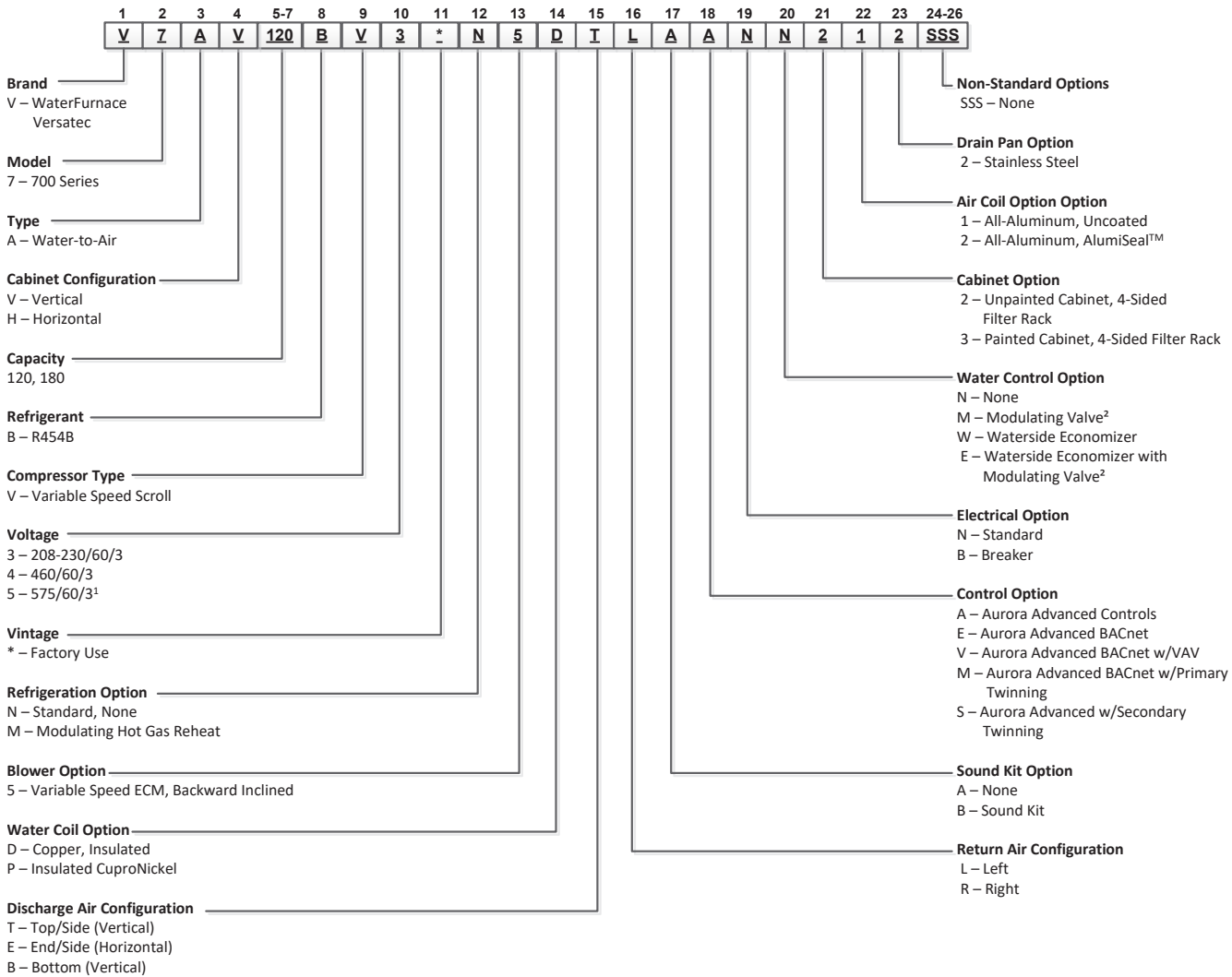


| Vertical Cabinets (Topflow & bottomflow) | Overall Cabinet Dimensions | | |
|--|----------------------------|-------------------|--------------------|
| | A (WIDTH) in [cm] | B (DEPTH) in [cm] | C (HEIGHT) in [cm] |
| 120 | 34.0 [86.4] | 36.3 [92.2] | 72.5 [184.2] |
| 180 | 34.0 [86.4] | 46.3 [117.5] | 72.5 [184.2] |

| Horizontal Cabinets | Overall Cabinet Dimensions | | |
|---------------------|----------------------------|-------------------|--------------------|
| | A (WIDTH) in [cm] | B (DEPTH) in [cm] | C (HEIGHT) in [cm] |
| 120 | 34.0 [86.4] | 89.0 [226.1] | 29.9 [75.9] |
| 180 | 34.0 [86.4] | 110.0 [279.4] | 29.9 [75.9] |



V7AV120BV3*N5DTLAANN212SSS



Notes:
1 – 575V includes factory installed step down transformer on plenum fan.
2 – Not available on size 180 with 208-230/60/3.

Performance Data and Unit Ratings can be found on **WeDoGeo.com**

Contact your WaterFurnace® Sales Representative for assistance.



All Versatec 700 Series models are safety listed and conforms to UL STDS 60335-1 & 60335-2-40 / Certified to CSA STDSC22.2 60335-1 & 60335-2-40 through ETL.
Performance listed with AHRI in accordance with ASHRAE/ANSI/AHRI/ISO Standard 13256-1 (Model: 120)
Performance verified in accordance with ASHRAE/ANSI/AHRI/ISO Standard 13256-1 (Model: 180)

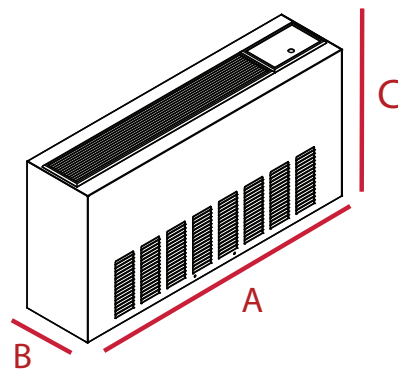
VERSATEC® 300 CONSOLES

0.75-1.5 TON

WATER-TO-AIR HEAT PUMP

Standard Features

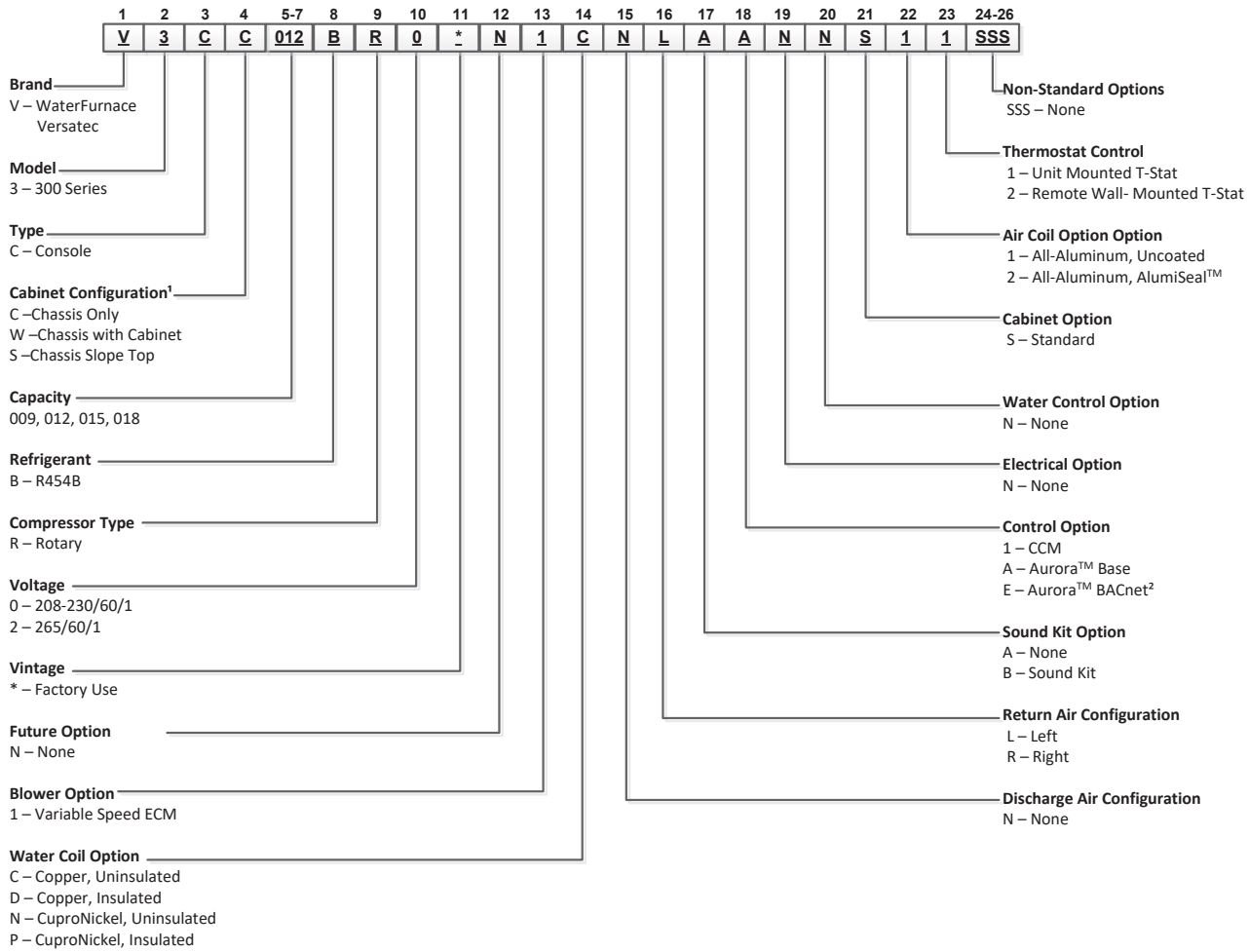
- Capacities: 9,000 through 18,000 Btu/h
- Voltages: 208-230/60/1, 265/60/1
- All aluminum air coils (fins & tubes) eliminate formicary corrosion
- Quiet rotary compressors which are double isolation mounted
- Aurora® Base Controls
- Low sill front return console cabinet fits under standard window
- Flat or sloped top cabinet
- Extended cabinet options
- Foot print matches legacy products for easy retrofit
- 2-dimension refrigerant piping vibration loops to isolate the compressor
- ECM constant torque blower motor
- Internally trapped condensate drain
- Removable compressor access panel
- High and low pressure refrigerant service ports
- Internal slide out blowers
- 1 in. MERV 4 filter



| Model | Overall Cabinet Dimensions | | |
|----------------|----------------------------|--------------------------|---------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 009-012 | 45.1 [114.6] | 10.8 [27.4] | 22.5 [57.2] |
| 015-018 | 50.0 [127.0] | 12.8 [32.4] | 22.5 [57.2] |



V3CC012BR0*N1CNLAANNS11SSS



NOTES:
1 - Chassis only available with left piping option.
2 - BACnet option is only available with remote wall-mounted thermostat control.

AHRI/ASHRAE/ISO 13256-1

| Model | Flow Rate | | Water Loop Heat Pump | | | | Ground Water Heat Pump | | | | Ground Loop Heat Pump | | | |
|-------|-----------|-----|----------------------|---------------|---------------------|------|------------------------|---------------|---------------------|------|-----------------------|---------------|---------------------|------|
| | | | Cooling EWT 86°F | | Heating EWT 68°F | | Cooling EWT 59°F | | Heating EWT 50°F | | Cooling EWT 77°F | | Heating EWT 32°F | |
| | gpm | cfm | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP |
| 009 | 2.5 | 300 | 9,000 | 13.50 | 12,000 | 4.60 | 11,000 | 23.00 | 10,000 | 4.00 | 10,000 | 16.20 | 7,500 | 3.30 |
| 012 | 3.5 | 350 | 11,000 | 13.40 | 15,000 | 4.50 | 12,800 | 22.00 | 12,000 | 4.00 | 11,500 | 15.50 | 9,500 | 3.50 |
| 015 | 4.5 | 450 | 13,500 | 13.60 | 15,000 | 4.50 | 15,500 | 22.00 | 14,000 | 4.10 | 14,200 | 16.00 | 10,500 | 3.30 |
| 018 | 5.5 | 500 | 16,200 | 13.00 | 19,000 | 4.30 | 18,500 | 20.00 | 16,500 | 3.70 | 16,600 | 15.10 | 13,300 | 3.20 |

5/17/24

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature
 Heating capacities based upon 70°F DB, 59°C WB entering air temperature
 All ratings based upon 208V operation

Performance Data and Unit Ratings can be found on **WeDoGeo.com**

Contact your WaterFurnace® Sales Representative for assistance.



All Versatec 300 Series consoles are safety listed and conforms to UL STDS 60335-1 & 60335-2-40 / Certified to CSA STDSC22.2 60335-1 & 60335-2-40 through ETL.
 Performance listed with AHRI in accordance with ASHRAE/ANSI/AHRI/ISO Standard 13256-1.

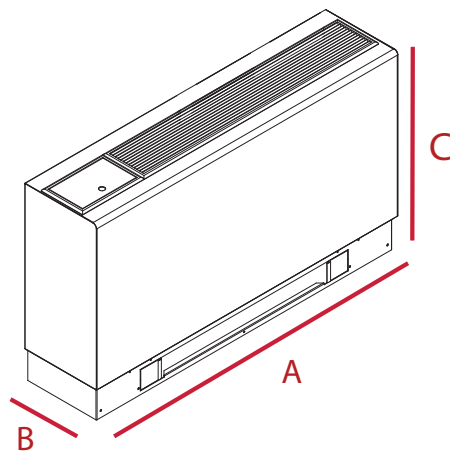
VERSATEC® 500 CONSOLES

0.75-1.5 TON

WATER-TO-AIR HEAT PUMP

Standard Features

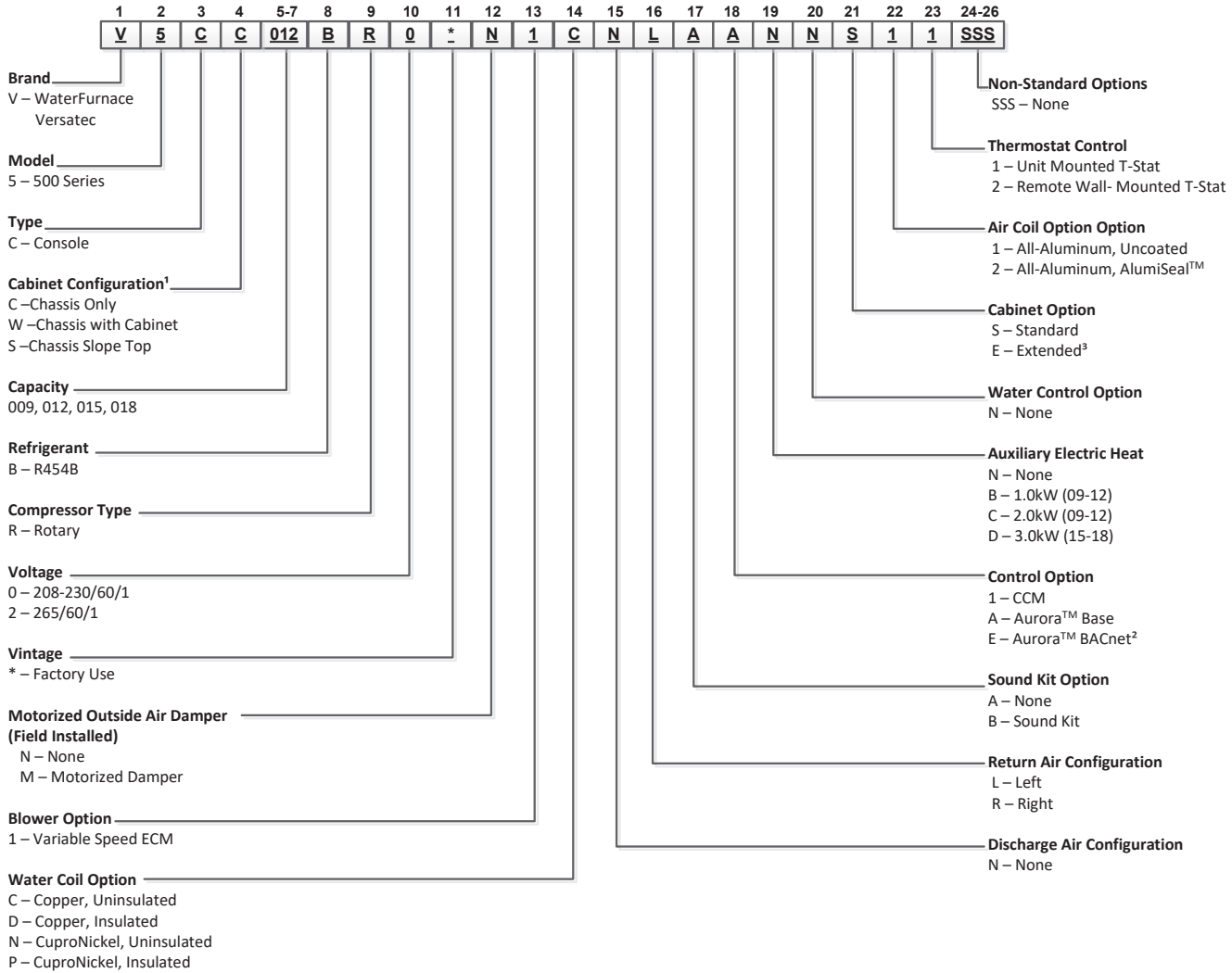
- Capacities: 9,000 through 18,000 Btu/h
- Voltages: 208-230/60/1, 265/60/1
- All aluminum air coils (fins & tubes) eliminate formicary corrosion
- Quiet rotary compressors which are double isolation mounted
- Aurora® Base Controls
- Low sill front return console cabinet fits under standard window
- Flat or sloped top cabinet
- Extended cabinet options
- Foot print matches legacy products for easy retrofit
- 2-dimension refrigerant piping vibration loops to isolate the compressor.
- ECM constant torque blower motor
- Internally trapped condensate drain
- Two removable compressor access panels
- High and low pressure refrigerant service ports
- Internal slide out blowers
- 1 in. MERV 4 filter



| Model | Overall Cabinet Dimensions | | |
|---------|----------------------------|--------------|---------------|
| | A (WIDTH) | B (DEPTH) | C (HEIGHT) |
| 009-012 | 45.0 [114.3] | 10.8 [27.3] | 25.7 [65.2] |
| 015-018 | 50.0 [127.0] | 12.3 [31.1] | 25.7 [65.2] |



V5CC012BR0*N1CNLAANNS11SSS



NOTES:

- 1 - Chassis only available with left piping option.
- 2 - BACnet option is only available with remote wall-mounted thermostat control.
- 3 - Extended option only available in a chassis slope top cabinet configuration.

AHRI/ASHRAE/ISO 13256-1

| Model | Flow Rate | | Water Loop Heat Pump | | | | Ground Water Heat Pump | | | | Ground Loop Heat Pump | | | |
|------------|-----------|-----|----------------------|---------------|---------------------|------|------------------------|---------------|---------------------|------|-----------------------|---------------|---------------------|------|
| | | | Cooling EWT 86°F | | Heating EWT 68°F | | Cooling EWT 59°F | | Heating EWT 50°F | | Cooling EWT 77°F | | Heating EWT 32°F | |
| | gpm | cfm | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP |
| 009 | 2.5 | 300 | 9,000 | 13.50 | 12,000 | 4.60 | 11,000 | 23.00 | 10,000 | 4.00 | 10,000 | 16.20 | 7,500 | 3.30 |
| 012 | 3.5 | 350 | 11,000 | 13.40 | 15,000 | 4.50 | 12,800 | 22.00 | 12,000 | 4.00 | 11,500 | 15.50 | 9,500 | 3.50 |
| 015 | 4.5 | 450 | 13,500 | 13.60 | 15,000 | 4.50 | 15,500 | 22.00 | 14,000 | 4.10 | 14,200 | 16.00 | 10,500 | 3.30 |
| 018 | 5.5 | 500 | 16,200 | 13.00 | 19,000 | 4.30 | 18,500 | 20.00 | 16,500 | 3.70 | 16,600 | 15.10 | 13,300 | 3.20 |

5/17/24

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature
 Heating capacities based upon 70°F DB, 59°C WB entering air temperature
 All ratings based upon 208V operation

Performance Data and Unit Ratings can be found on **WeDoGeo.com**

Contact your WaterFurnace® Sales Representative for assistance.



All Versatec 500 Series consoles are safety listed and conforms to UL STDS 60335-1 & 60335-2-40 / Certified to CSA STDSC22.2 60335-1 & 60335-2-40 through ETL. Performance listed with AHRI in accordance with ASHRAE/ANSI/AHRI/ISO Standard 13256-1.

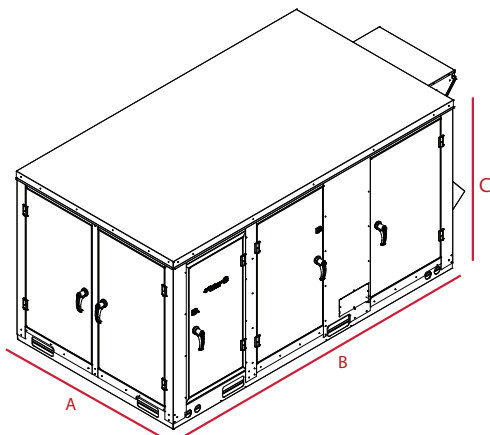
VERSATEC® 500 ROOFTOP WSHP

3-30 TON

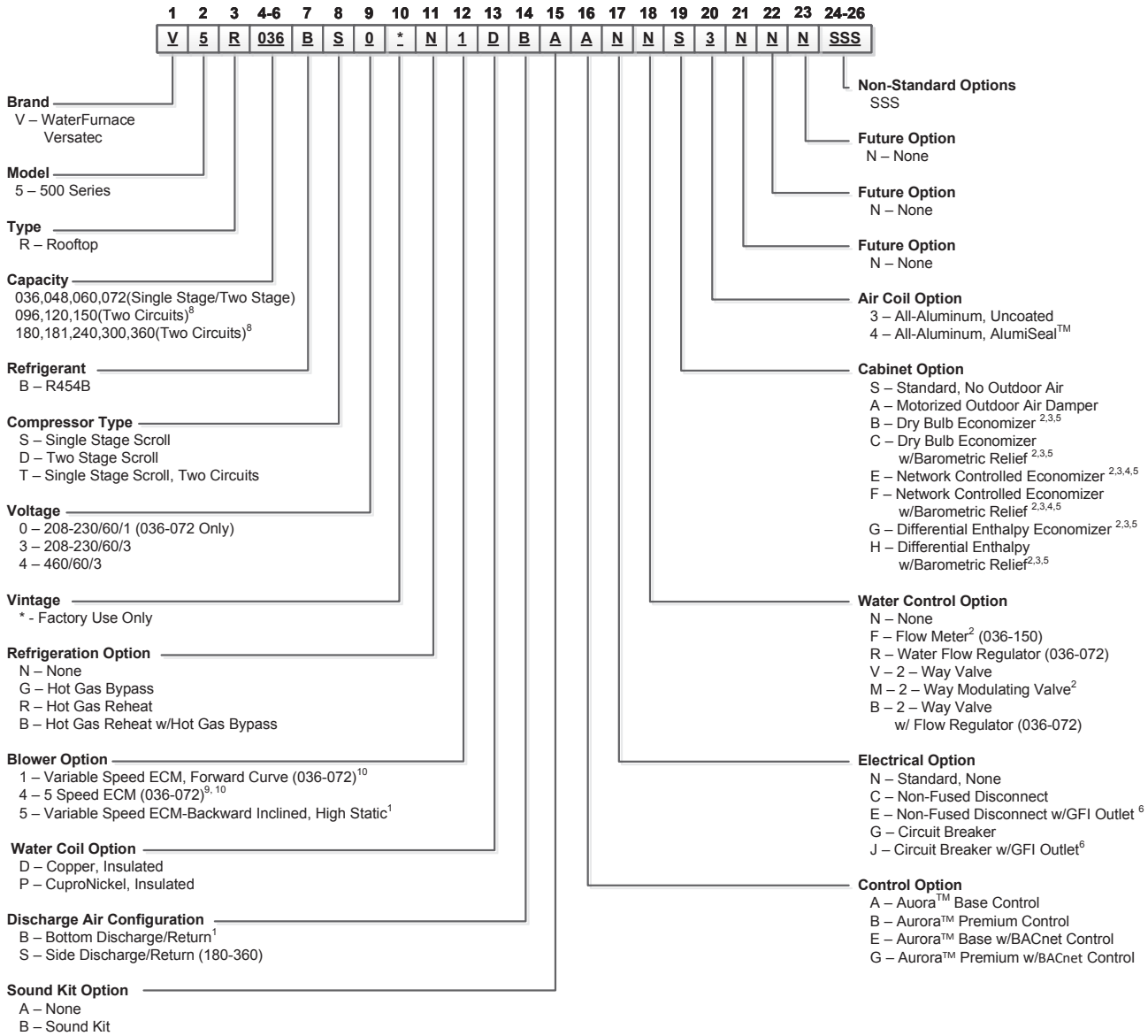
WATER-TO-AIR HEAT PUMP

Standard Features

- Capacities: 36,000 through 360,000 Btu/h
- Voltages: 208-230/60/1, 208-230/60/3 and 460/60/3
- Oversized copper coaxial water heat exchanger
- All aluminum air coils (fins & tubes) eliminate formicary corrosion
- Interlaced air coil (096-360)
- Dual capacity scroll compressor (036-072) and dual circuit scrolls (096-360) which are double isolation mounted
- Variable Speed ECM backward curved plenum fan
- Aurora® Advanced Controls
- Foil-faced cleanable insulation
- Dual sloped stainless steel drain pan with front or back connection
- Heavy gauge G60 sheet metal with super durable polyester powder coat paint and 1" foil faced insulation
- Double walled removable access doors with positive compression seal and composite door handles
- 1/2" Exact-O mat bottom panel insulation
- 14" or 24" Knock-down curbs (custom curbs available)
- Integrated air-side economizer with 4 different control methods
- Super quiet sound kit with multi-density compressor blanket
- Internally mounted water flow regulator and/or water solenoid valve for variable speed pumping systems



| Model | Overall Cabinet Dimensions | | |
|---------|----------------------------|----------------------|-----------------------|
| | A (WIDTH) in [cm] | B (DEPTH) in [cm] | C (HEIGHT) in [cm] |
| 036-072 | 40.0 [103.0] | 79.0 [201.0] | 45.0 [115.0] |
| 096-144 | 52.0 [133.0] | 93.0 [236.0] | 48.0 [123.0] |
| 180-360 | 82.0 [208.0] | 105.0 [267.0] | 57.0 [145.0] |



Notes:

- 1 – Field convertible from bottom to side discharge & return (036-150)
- 2 – Only available when used with Aurora Advanced control option
- 3 – Only available when used with BACnet control option
- 4 – Must be used with at least one differential enthalpy economizer
- 5 – Only available when used with bottom return configuration.
- 6 – GFI outlet is field wired
- 7 – 208-230/60/1 Only
- 8 – Compressor Lead/Lag only available with BACnet
- 9 – Not available with economizer
- 10 – Bottom flow discharge configuration only

Performance Data and Unit Ratings can be found on **WeDoGeo.com**

Contact your WaterFurnace® Sales Representative for assistance.



All Versatec 500 Series (Rooftop) models are safety listed and conforms to UL STDS 60335-1 & 60335-2-40 / Certified to CSA STDSC22.2 60335-1 & 60335-2-40 through ETL. Performance listed with AHRI in accordance with ASHRAE/ANSI/AHRI/ISO Standard 13256-1 (Models: 036, 048, 060, 072, 096, 120). Performance verified in accordance with ASHRAE/ANSI/AHRI/ISO Standard 13256-1 (Models: 150, 180, 181, 240, 300, 360)

VERSATEC® 700 INDOOR DOAS WSHP

10-30 TON

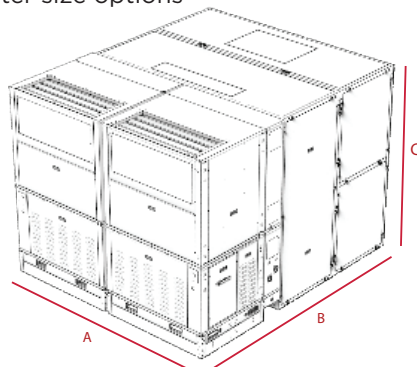
WATER-TO-AIR DOAS HEAT PUMP

Standard Features

- 2,000-8,000 CFM
- Voltages: 208-230/60/3, 460/60/3
- On-board CFM control and measurement built-in
 - CFM setpoint control over the BAS
 - No field installed air measuring station required
- Maximum dehumidification per ft²
- Communicating controls platform for simple over the network diagnostics
 - BACnet MS/TP
 - BACnet IP
 - Stand-alone configurations
- Load matching capability with variable speed fans, VS compressor, high efficiency wheel
- Flexible configurations for multi-zone VAV, single-zone VAV, and CAV applications
 - Supply air reset
 - Stand-alone or BAS operation
 - Modulating hot gas reheat with head pressure control
 - Demand controlled ventilation
- Exhaust fan control
 - Building pressure relief
 - CFM setpoint control
- Spring assist backdraft dampers prevent airflow back pressure when system is operating in reduce compressor load matching
- AHRI 1060 certified Energy Recovery wheel in double wall rigid polyurethane foam injected cabinet
 - Segmented transfer media for easy removal and cleaning with minimal downtime
 - Channel matrix wheels for maximum performance and optimal efficiency
 - Patented polymer energy transfer media will never corrode
 - Rigid wheel assembly slides out for easy access
- Modular sections come apart and fit through standard doorway or freight elevator
- Refer to Filter Size Chart for filter size options



| FILTER SIZES | | | | | | |
|-------------------|---------|-----|-------------|---------|--------------------|------|
| MODEL | TYPE | QTY | PART NUMBER | SIZE | ACTUAL MEASUREMENT | |
| ERW52XX-4" | Merv 8 | 4 | 59P503-35 | 28x32x4 | 27.5 | 31.5 |
| | Merv 13 | 4 | 59P511-35 | 28x32x4 | 27.5 | 31.5 |
| ERW52XX-2" | Merv 8 | 4 | 59P503-35 | 28x32x2 | 27.5 | 31.5 |
| | Merv 13 | 4 | 59P511-33 | 28x32x2 | 27.5 | 31.5 |
| ERW68XX-4" | Merv 8 | 3 | 59P503-39 | 30x32x4 | 29.5 | 31.5 |
| | | 3 | 59P503-37 | 24x32x4 | 23.5 | 31.5 |
| | Merv 13 | 3 | 59P511-47 | 30x32x4 | 29.5 | 31.5 |
| | | 3 | 59P511-46 | 24x32x4 | 23.5 | 31.5 |
| ERW68XX-2" | Merv 8 | 3 | 59P503-38 | 30x32x2 | 29.5 | 31.5 |
| | | 3 | 59P503-36 | 24x32x2 | 23.5 | 31.5 |
| | Merv 13 | 3 | 59P511-48 | 30x32x2 | 29.5 | 31.5 |
| | | 3 | 59P511-45 | 24x32x2 | 23.5 | 31.5 |

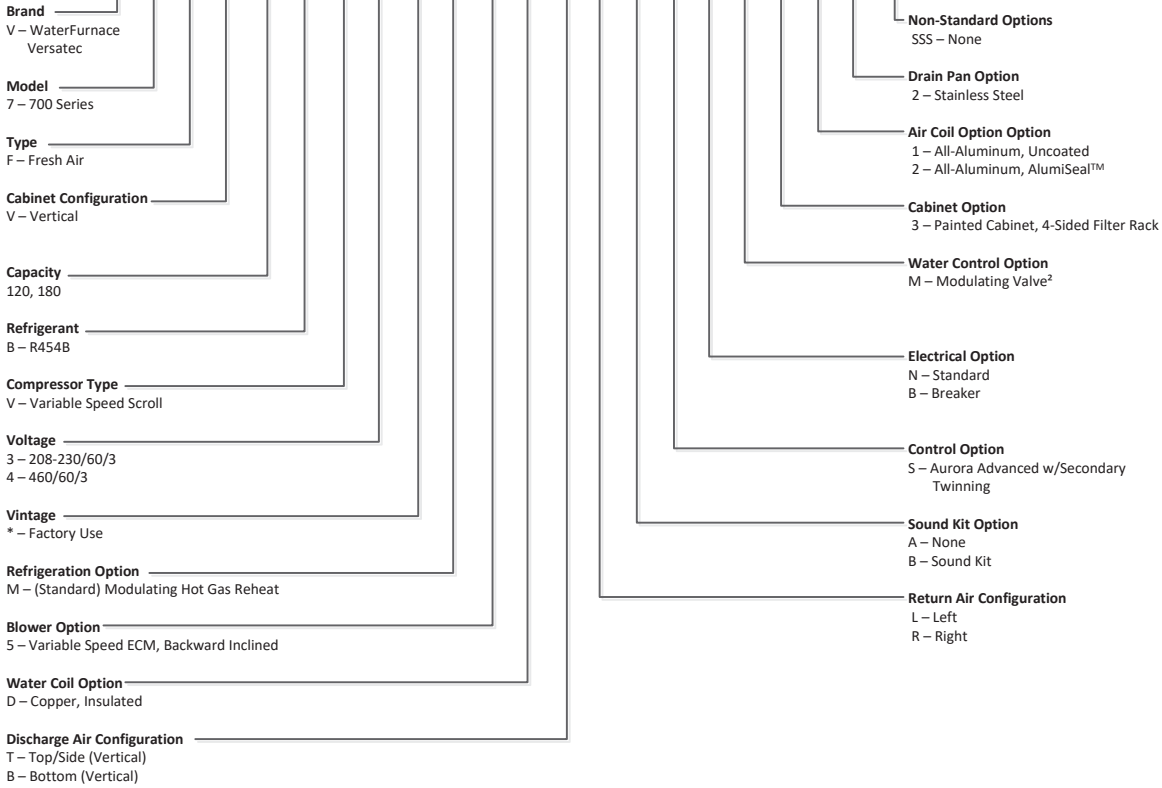


| Model | Overall Cabinet Dimensions | | |
|------------------|----------------------------|-------------------|--------------------|
| | A (WIDTH) in [cm] | B (DEPTH) in [cm] | C (HEIGHT) in [cm] |
| V7FV120BV | 109.6 [2783] | 59.6 [1513] | 77.7 [1973] |
| V7FV180BV | 109.6 [2783] | 59.6 [1513] | 77.7 [1973] |
| V7FV240BV | 109.6 [2783] | 92.6 [2352] | 77.7 [1973] |
| V7FV360BV | 109.6 [2783] | 92.6 [2352] | 77.7 [1973] |



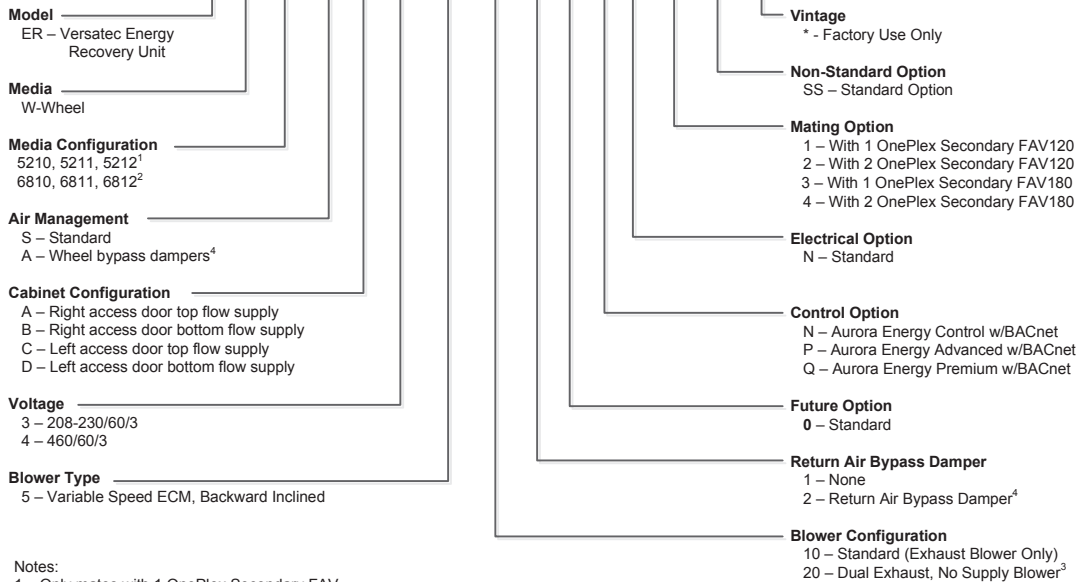
V7FV120BV3AM5DTLASNM312SSS

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|-----|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
| 1 | 2 | 3 | 4 | 5-7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24-26 |
| V | 7 | F | V | 120 | B | V | 3 | * | M | 5 | D | T | L | A | S | N | M | 3 | 1 | 2 | SSS |



Notes:
1 – 575V includes factory installed step down transformer on plenum fan.
2 – Not available on size 180 with 208-230/60/3.

| | | | | | | | | | | | | | | |
|-----|---|------|---|----|----|----|-------|----|----|----|----|----|-------|----|
| 1-2 | 3 | 4-8 | 9 | 10 | 11 | 12 | 13-14 | 15 | 16 | 17 | 18 | 19 | 20-21 | 22 |
| ER | W | 5210 | S | A | 3 | 5 | 10 | 1 | 0 | P | N | 1 | SS | * |



Notes:
1 – Only mates with 1 OnePlex Secondary FAV
2 – Only mates with 2 OnePlex Secondary FAV
3 – Only available with 6810, 6811, 6812 media configuration
4 – Only Available with control option P and Q

Performance Data and Unit Ratings can be found on WeDoGeo.com

Contact your WaterFurnace® Sales Representative for assistance.



The ERW cabinet is listed under UL 1812 through UL.

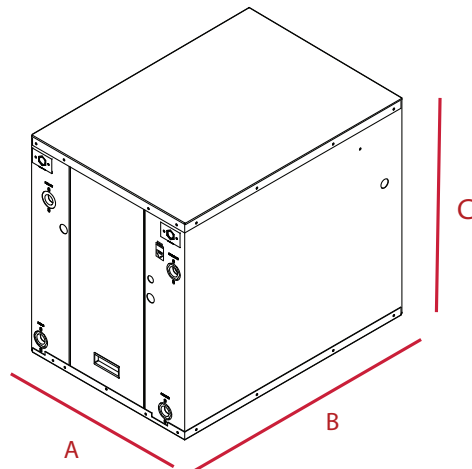
TRUCLIMATE® 100 WATER-TO-WATER HEAT PUMP

2-5 TON

WATER-TO-WATER HEAT PUMP

Standard Features:

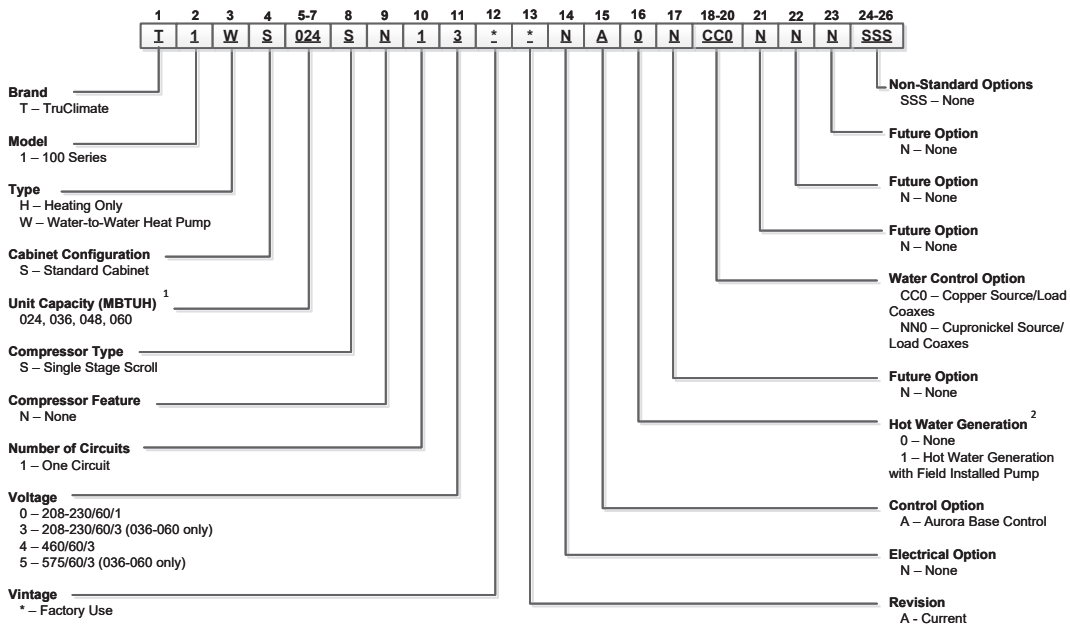
- Voltages: 208-230/60/1, 208-230/60/3 (036-060), 460/60/3, 575/60/3 (036-060)
- High efficiency copper coaxial heat exchanger
- Field switchable control box (end to end) for application flexibility
- Insulated and corrosion resistant cabinet to reduce noise
- Aurora® Base Controls
- Dual isolation compressor mounts to reduce noise and vibration
- Captive FPT water connections eliminate 'egg-shaping' backup wrench
- Discharge Muffler helps quiet compressor gas pulsations
- Zero ODP and low GWP refrigerant
- Optional Hot Water Generator available on 036-060
- High efficiency copper or cupronickel coaxial heat exchangers
- Full refrigerant suction tube, heat exchanger, and waterline insulation to prevent condensation at low loop temperatures
- High efficiency scroll compressors for improved reliability
- Compressor sound blankets for reduced noise
- Standard waterlines out the front (field switchable to back via control box)



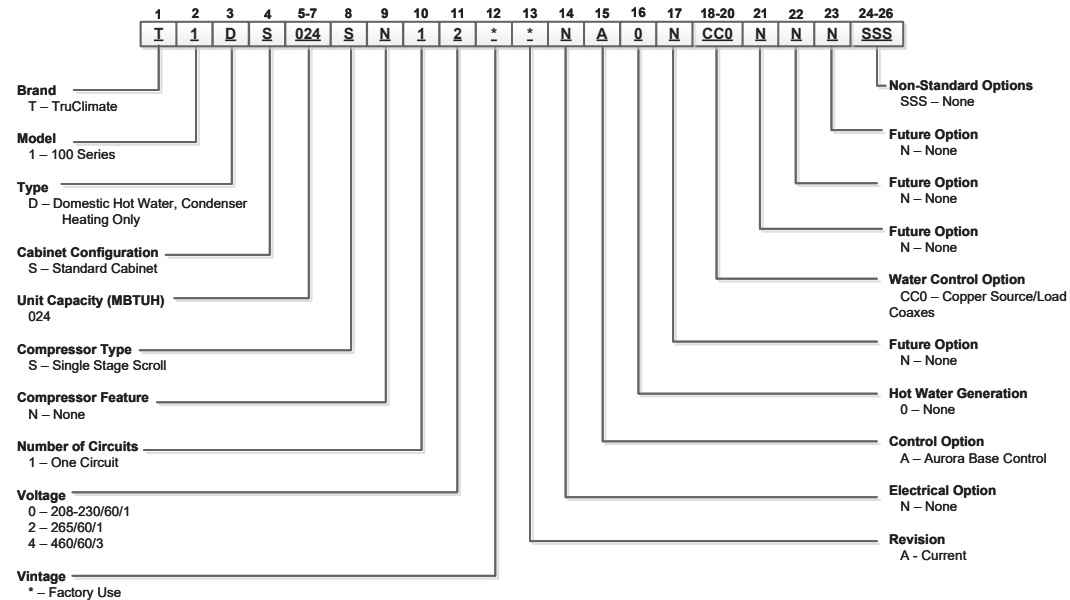
| Model | Overall Cabinet Dimensions | | |
|-------|----------------------------|--------------------------|---------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 024 | 19.5 [49.5] | 23.5 [59.7] | 26.1 [66.3] |
| 036 | 22.0 [55.9] | 31.0 [78.7] | 26.2 [66.5] |
| 048 | 22.0 [55.9] | 31.0 [78.7] | 26.2 [66.5] |
| 060 | 22.0 [55.9] | 31.0 [78.7] | 26.2 [66.5] |



T1WS024SN13NA0NCC0NNSSS**



T1DS024SN12NA0NCC0NNSSS**



| Model | Capacity Modulation | Flow Rate | | Water Loop Heat Pump | | | | Ground Water Heat Pump | | | | Ground Loop Heat Pump | | | |
|------------|---------------------|-----------|------------|---------------------------------------|------------|--------------------------------------|-----|---------------------------------------|------------|--------------------------------------|-----|---------------------------------------|------------|--------------------------------------|-----|
| | | | | Cooling 86°F Source 53.6°F Load | | Heating 68°F Source 104°F Load | | Cooling 59°F Source 53.6°F Load | | Heating 50°F Source 104°F Load | | Cooling 77°F Source 53.6°F Load | | Heating 32°F Source 104°F Load | |
| | | Load Gpm | Source Gpm | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP |
| 024 | Full | 7 | 7 | 24,400 | 14.6 | 30,700 | 4.3 | 26,000 | 22.2 | 27,000 | 3.8 | 24,700 | 16.1 | 22,000 | 3.1 |
| 036 | Full | 10 | 10 | 34,700 | 14.6 | 44,400 | 4.5 | 37,800 | 22.2 | 37,800 | 3.8 | 36,600 | 16.2 | 30,500 | 3.1 |
| 048 | Full | 15 | 15 | 48,100 | 14.0 | 63,000 | 4.4 | 51,100 | 20.9 | 52,600 | 3.6 | 49,700 | 16.1 | 42,700 | 3.1 |
| 060 | Full | 18 | 18 | 55,300 | 13.7 | 76,500 | 4.5 | 62,800 | 20.4 | 63,400 | 3.8 | 58,800 | 16.1 | 50,200 | 3.1 |

All ratings based upon 208V operation

10/20/25

Performance Data and Unit Ratings can be found on **WeDoGeo.com**

Contact your WaterFurnace® Sales Representative for assistance.



All TruClimate 100 Series models are safety listed and conforms to UL STDS 60335-1 & 60335-2-40 / Certified to CSA STDSC22.2 60335-1 & 60335-2-40 through ETL. Performance verified in accordance with ASHRAE/ANSI/AHRI/ISO Standard 13256-2

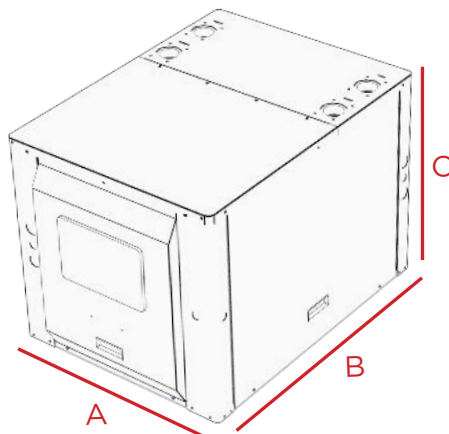
TRUCLIMATE[®] 100 WATER-TO-WATER HEAT PUMP

10-15 TON

WATER-TO-WATER HEAT PUMP

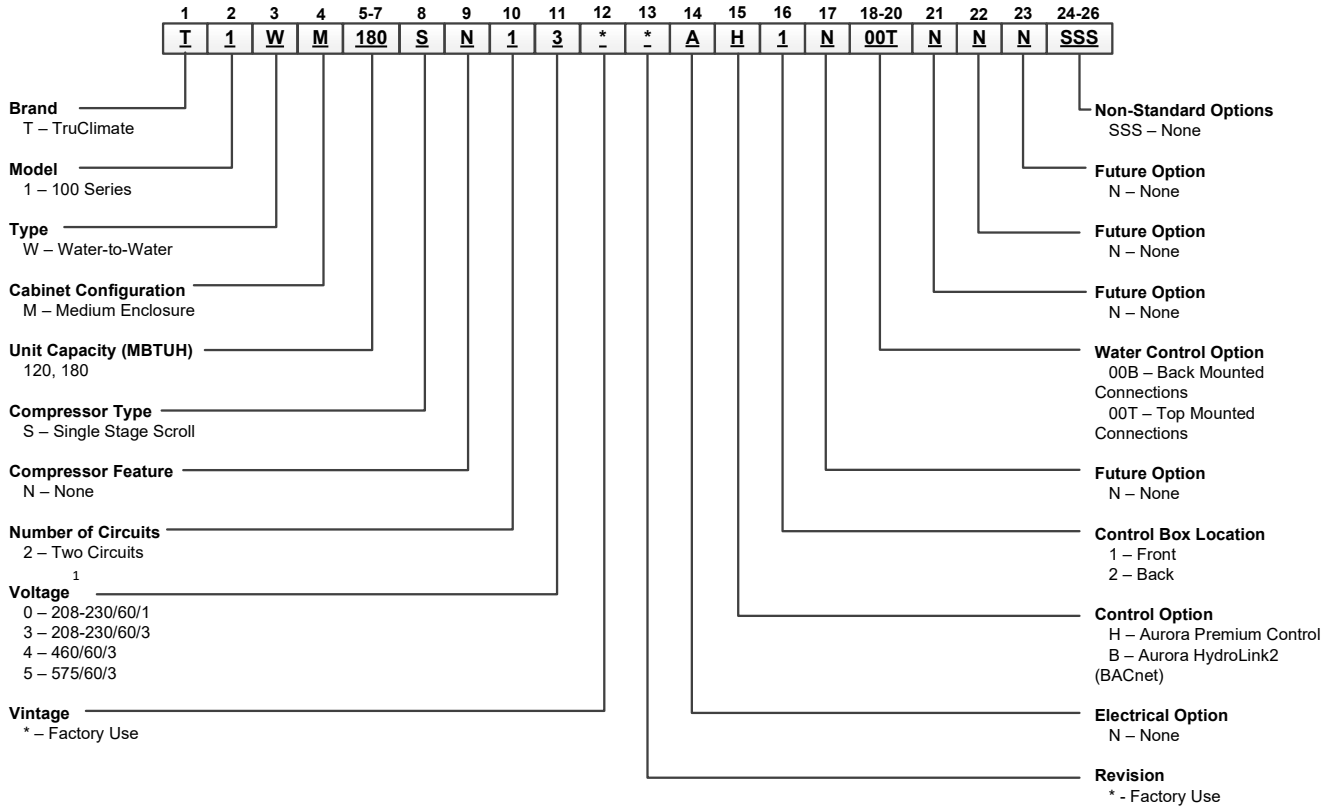
Standard Features

- Voltages: 230/60/1, 208-230/60/3, 460/60/3, 575/60/3
- Heavy gauge cabinet
- Quiet scroll compressors in all models
- Two-dimension refrigerant piping vibration loops to isolate the compressor
- All interior cabinet surfaces are insulated with 1/2 in. [12.7 mm] thick 1-1/2 lb [681 g] density, surface coated, acoustic type glass fiber insulation.
- Field switchable control box
- Aurora HydroLink[®] Controls
- Ultra-compact cabinet
- Optional top or back mounted water lines
- Multi-density laminate lined compressor blanket designed to suppress low frequency noise
- Removable compressor access panels
- Quick attach wiring harnesses are used throughout for fast servicing
- High and low pressure refrigerant service ports
- 10" industrial touch screen HMI for easy diagnostics and commissioning
- All refrigerant brazing is performed in a nitrogen purge environment
- Computer controlled deep vacuum and refrigerant charging system
- All joints are leak detected for maximum leak rate of less than 1/4 oz. per year
- Computer bar code equipped assembly line ensures all components are correct
- All units are computer run-tested with water to verify both function and performance



| Model | Overall Cabinet Dimensions | | |
|---------|----------------------------|--------------------------|---------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 120-180 | 25.58 [64.97] | 33.6 [85.3] | 24.01 [60.99] |





Notes:
1 – Voltage Option 0 requires dual power feed.

| Model | Capacity Modulation | Flow Rate | | Water Loop Heat Pump | | | | Ground Water Heat Pump | | | | Ground Loop Heat Pump | | | |
|-------|---------------------|-----------|------|-----------------------------------|------------|----------------------------------|------|-----------------------------------|------------|----------------------------------|------|---|------------|--|------|
| | | | | Cooling EST 86°F ELT 53.6°F | | Heating EST 68°F ELT 104°F | | Cooling EST 59°F ELT 53.6°F | | Heating EST 50°F ELT 104°F | | Cooling Full EST 77°F Part EST 68°F ELT 53.6°F | | Heating Full EST 32°F Part ELT 41°F ELT 104°F | |
| | | Sgpm | Lgpm | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP |
| 120 | Full | 28 | 28 | 109,200 | 13.10 | 147,400 | 4.20 | 115,600 | 19.90 | 122,900 | 3.60 | 113,600 | 15.40 | 93,400 | 2.90 |
| | Part | 28 | 28 | 60,700 | 14.20 | 75,300 | 4.30 | 62,000 | 20.50 | 62,400 | 3.70 | 62,600 | 18.10 | 56,700 | 3.30 |
| 180 | Full | 36 | 36 | 150,400 | 12.30 | 209,300 | 3.90 | 165,700 | 18.10 | 172,200 | 3.20 | 156,700 | 14.20 | 131,100 | 2.70 |
| | Part | 36 | 36 | 78,600 | 12.60 | 106,100 | 4.20 | 87,200 | 17.90 | 87,500 | 3.60 | 84,400 | 16.00 | 79,900 | 3.20 |

All ratings based upon 208V operation

10/14/24

Performance Data and Unit Ratings can be found on **WeDoGeo.com**

Contact your WaterFurnace® Sales Representative for assistance.



All TruClimate 100 Series models are safety listed and conforms to UL STDS 60335-1 & 60335-2-40 / Certified to CSA STDSC22.2 60335-1 & 60335-2-40 through ETL. Performance verified in accordance with ASHRAE/ANSI/AHRI/ISO Standard 13256-2

TRUCLIMATE® 100 WATER-TO-WATER HEAT PUMP

20-50 TON

WATER-TO-WATER HEAT PUMP

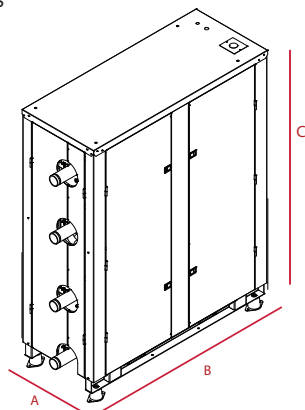
Standard Features

- Capacities: 120-600 MBtu/h
- Voltages: 208-230/60/3, 460/60/3, 575/60/3
- Oversized brazed plate heat exchangers offer high efficiency with industry low waterside pressure drop
- True-dual brazed plate heat exchangers provide better part load efficiencies compared to two single-circuit evaporators
- Compressor suction/discharge tubes come with braided stainless steel vibration absorbers to dampen compressor vibration on system piping
- Fork pockets and lifting points in the frame enable maneuverability for installation and shipment
- Factory installed pressure/temperature port externally accessible for improved serviceability
- Finger-touch safe power fuses provide circuit protection
- Rugged plug assembly wiring harness provides a solid yet serviceable connection for control wiring to the control panel
- Factory installed high accuracy sensors measure system pressures and temperatures
- Superheat/subcooling, compressor run time, and entering/leaving water temperatures are displayed through the 3D high definition images of the color touch HMI
- Set point control via factory installed leaving/entering water temperatures or remote temperature option
- Phase guard monitor provides phase reversal, phase imbalance, and loss of phase protection



Factory Installed Options:

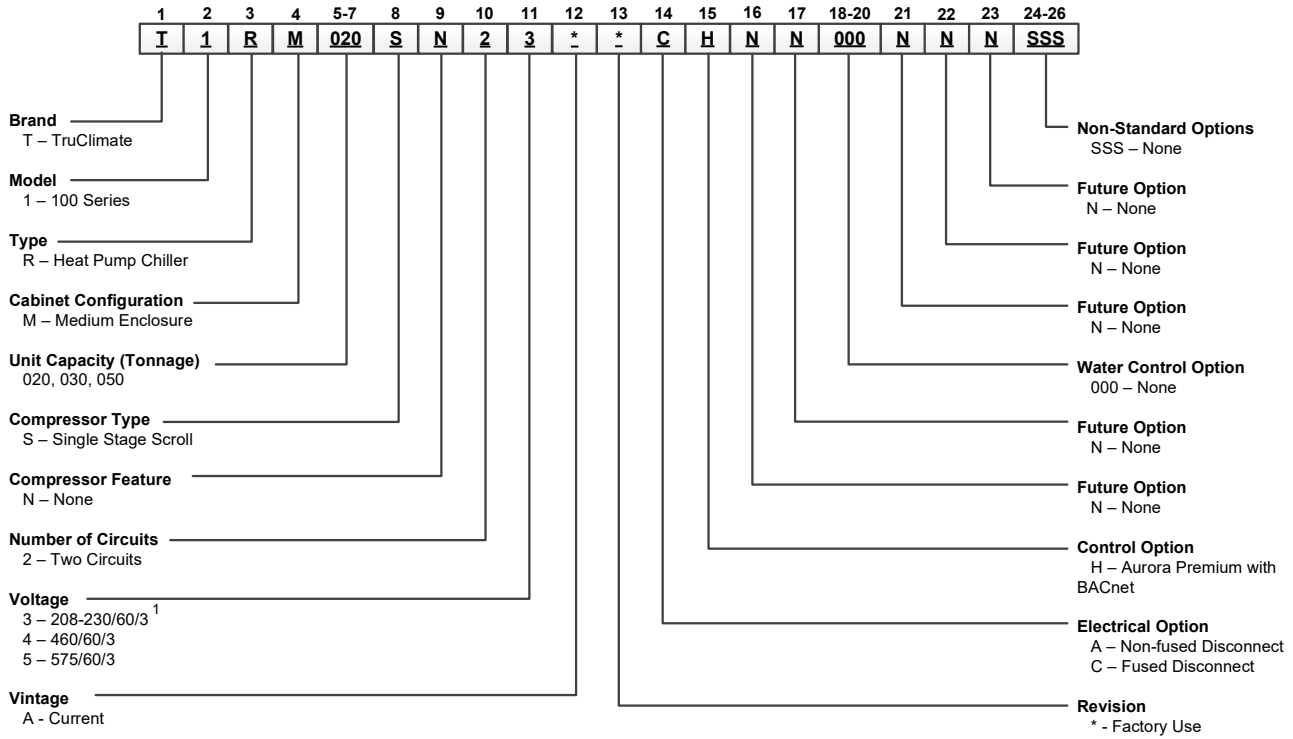
- Factory mounted, internally wired, rotary-style, non-fused disconnect
- HydroLink Aurora® controls with BACnet, or non-communicating options
- HydroLink® Supervisory Controller



| Vertical Cabinets | Overall Cabinet Dimensions | | |
|-------------------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 240-360 | 24.1 [61.2] | 50.5 [128.3] | 64.2 [163.1] |
| 600 | 24.1 [61.2] | 58.5 [148.6] | 71.1 [180.6] |



T1RM020SN23**CHNN000NNSSS



Notes:
1 – 050 is not available in 208-230/60/3 option.

TRUCLIMATE® 100 WATER-TO-WATER HEAT PUMP 20-50 TON

Performance Data and Unit Ratings can be found on  **WeDoGeo.com**

Contact your WaterFurnace® Sales Representative for assistance.



All TruClimate 100 Series models are safety listed and conforms to UL STDS 60335-1 & 60335-2-40 / Certified to CSA STDSC22.2 60335-1 & 60335-2-40 through ETL. Performance verified in accordance with ASHRAE/ANSI/AHRI/ISO Standard 13256-2

TRUCLIMATE® 100 DOMESTIC HOT WATER

2 TON, 10-30 TON WATER-TO-WATER HEAT PUMP

T1DS024

Standard Features:

- Voltages: 208-230/60/1, 265/60/1, 460/60/3
- High efficiency, vented, double walled, copper coaxial heat exchanger
- Zero ODP and low GWP refrigerant
- High efficiency scroll compressors for improved reliability
- Compressor sound blankets for reduced noise
- HydroStat communicating controls platform

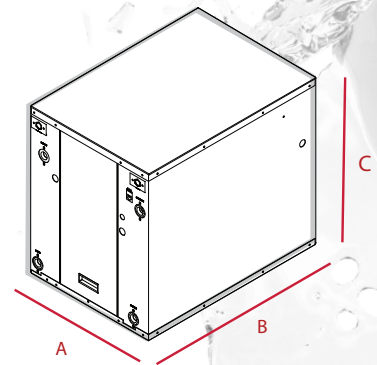
T1DM120-360

Standard Features:

- Voltages: 208-230/60/3, 265/60/3, 460/60/3
- Dedicated heat recovery operation
- High efficiency scroll compressors with low GWP refrigerant
- Flexible application for water source, ground loop, and chiller plant operations
- Stainless steel, double walled, vented, high efficiency brazed plate heat exchangers
- Electronic expansion valve for superior heat and sub-cooling control
- Aurora® with HydroLink2 controls platform with large color touchscreen display
- Domestic hot water storage tanks available in 80 and 120 gallon sizes
- Domestic hot water Condenser - Heating Only is certified to NSF/ANSI/CAN 61 drinking water standard



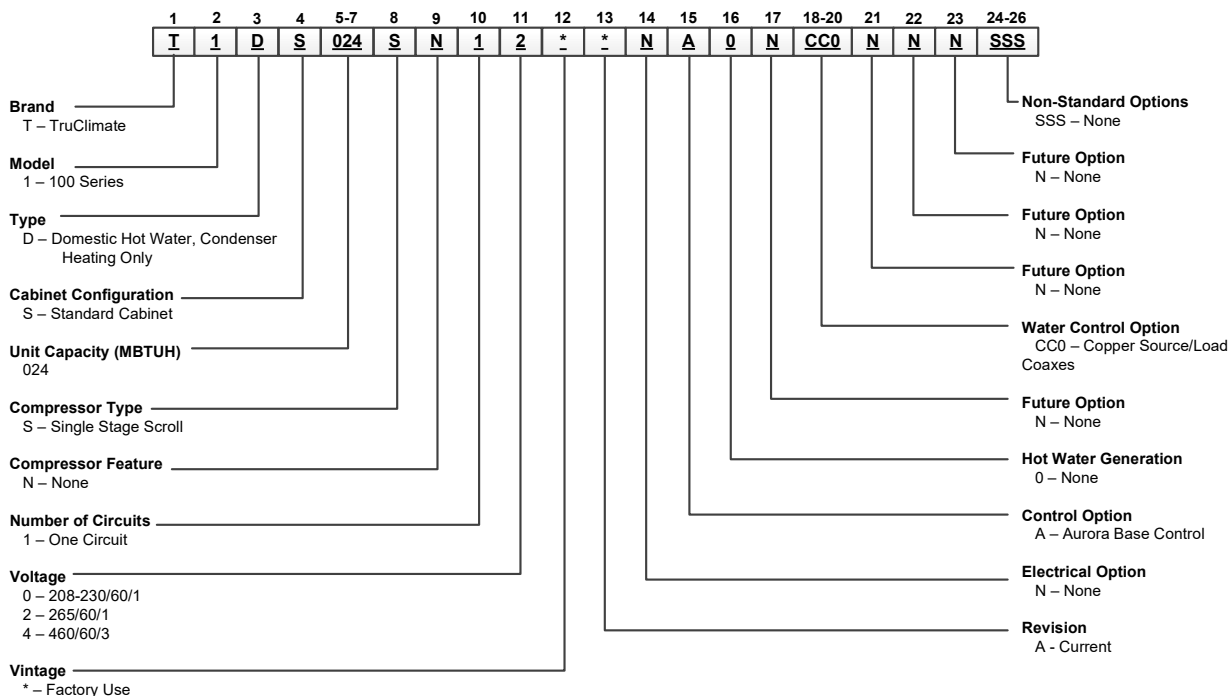
| Model | T1DS024 Cabinet Dimensions | | |
|-------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 024 | 19.5 [49.5] | 23.5 [59.7] | 26.1 [66.3] |



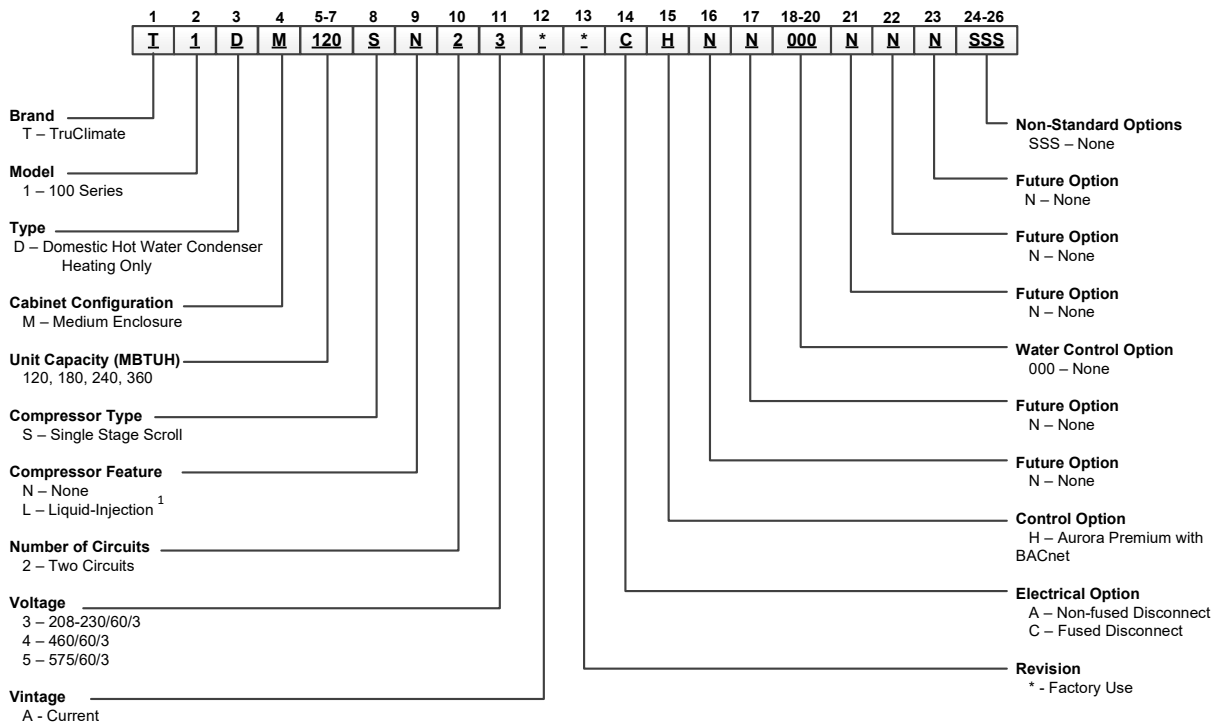
| Vertical Cabinets | T1DM120-360 Cabinet Dimensions | | |
|-------------------|--------------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 120-180 | 24.1 [61.2] | 42.5 [108.0] | 57.3 [145.6] |
| 240-360 | 24.1 [61.2] | 50.5 [128.3] | 64.2 [163.1] |



T1DS024SN12**NA0NCC0NNNSSS



T1DM120SN23**CHNN000NNNSSS



Notes:
1 – Liquid-Injection only available for 360 MBTUH model.

Performance Data and Unit Ratings can be found on **WeDoGeo.com**

Contact your WaterFurnace® Sales Representative for assistance.



TruClimate 100
NSF/ANSI/CAN 61
MH65913



All TruClimate 100 Series models are safety listed and conforms to UL STDS 60335-1 & 60335-2-40 / Certified to CSA STDSC22.2 60335-1 & 60335-2-40 through ETL. Performance verified in accordance with ASHRAE/ANSI/AHRI/ISO Standard 13256-2

TRUCLIMATE® 300 WATER-COOLED CHILLER

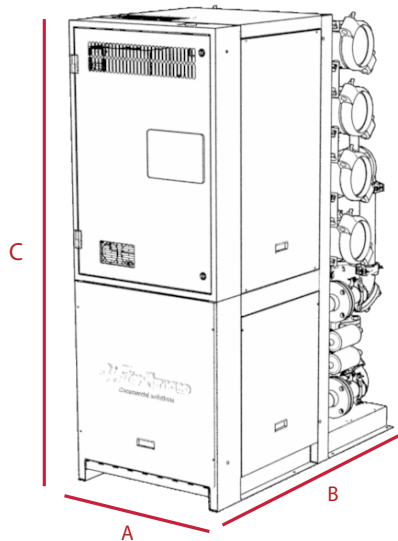
30-50 TON WATER-COOLED CHILLER

Standard Features

- Voltages: 208-230/60/3, 460/60/3
- Robust coaxial heat exchanger on the condenser side reduces fouling and clogging
- True dual/independent circuit configuration
- Standard Aurora® HydroLink 2 microprocessor controls (robust compressor envelop protection control, head pressure control, max evaporator pressure control, “Delta-T” control, advanced refrigeration monitoring)
- Color touch-screen interface on lead primary unit with advanced trending and diagnostics, and standard provisions for remote access
- Multiple units can be staged together using the HybrEx Supervisory controller located in the primary unit with a complete plug and play solution for ease of installation and single point of communication to the BAS
- Variable Speed Lead Compressor or optional Dual Variable Speed compressor solutions for increase in load tracking capabilities and part load efficiencies
- Phase guard monitor provides phase reversal, phase imbalance, and loss of phase protection

Factory Installed Options

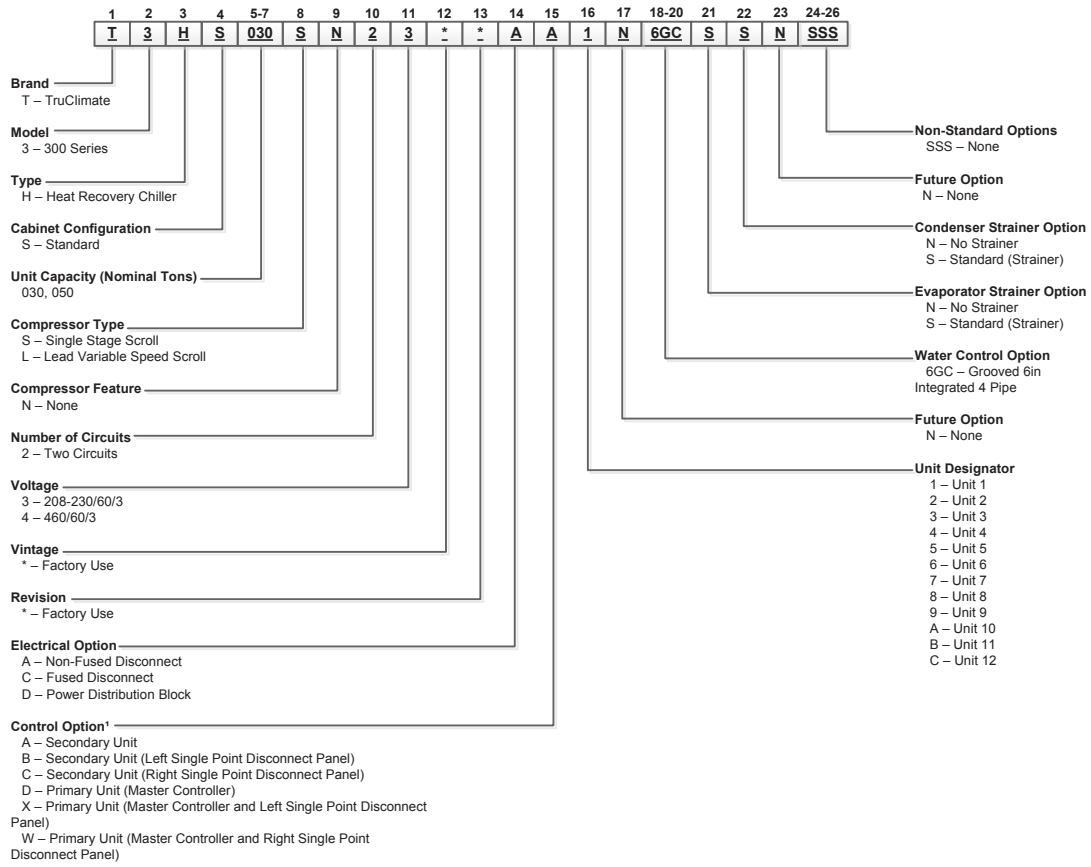
- Factory tuned electronic expansion valve
- Single point disconnect breaker panel with included cut-to-length wire runs for powering each unit
- Optional high accuracy flow meter on each loop providing the ability to monitor flow and adding additional freeze detection level



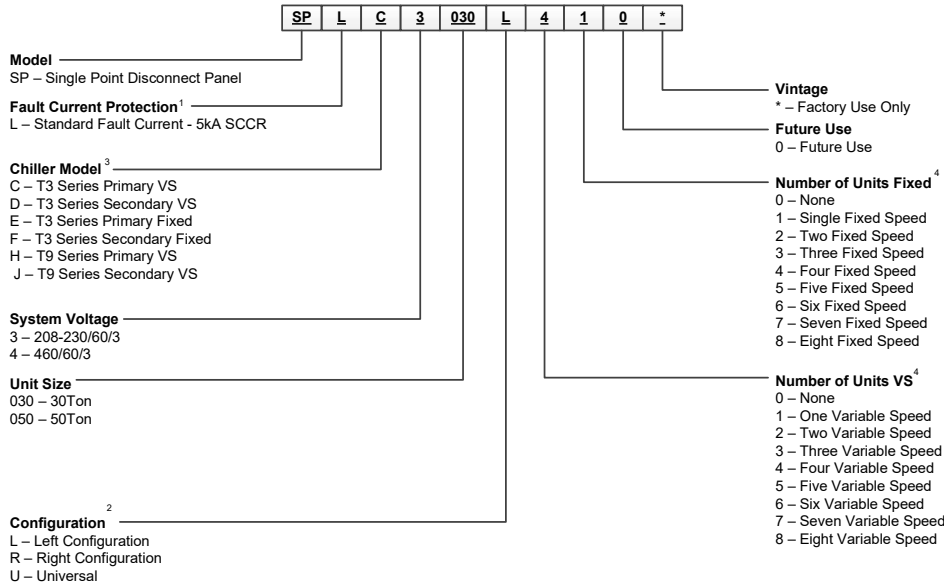
| No Header Rack | Overall Cabinet Dimensions | | |
|----------------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 030 | 28.0 [71.12] | 54.62 [138.73] | 72.0 [182.88] |
| 050 | 33.0 [83.82] | 64.0 [162.56] | 72.07 [183.05] |



T3HS030SN23**AA1N6GCSSNSSS



Notes:
1. Primary unit selection is required for multiple unit staging control. Left and Right Configurations refers to placement of the single point breaker panel.



Notes:
1. Standard Fault Current 5kA SCCR option includes no feeder protection and individual breakers for each chiller.
2. For T9 products, Left or Right Configuration designates the location of the single point disconnect panel with respect to the bank of units. For all other products, Universal shall apply.
3. Single Point panel is selected in conjunction with "Secondary Unit" only when a second panel is required for the bank of units.
4. For applications requiring more than 8 modules, and/or for applications requiring banks of mixed modules (fixed speed and variable speed), a Special Order must be requested.

TRUCLIMATE® 300 WATER-COOLED CHILLER 30-50 TON

Performance Data and Unit Ratings can be found on  WeDoGeo.com

Contact your WaterFurnace® Sales Representative for assistance.



TruClimate 300 Series models are safety listed and conforms to UL STDS 60335-1 & 60335-2-40
Certified to CSA STDSC22.2 60335-1 & 60335-2-40 through ETL



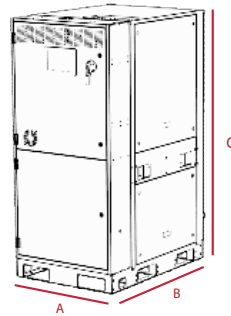
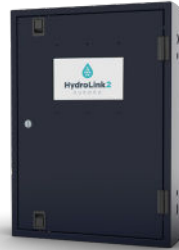
TruClimate 300 & 500 products are performance certified by AHRI Standard 550/590 for Water-Cooled Water Chilling and Heat Pump Water-Heating Packages.

TRUCLIMATE® 500 WATER-COOLED CHILLER

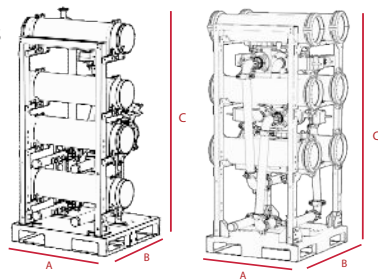
20-80 TON WATER-COOLED CHILLER

Standard Features

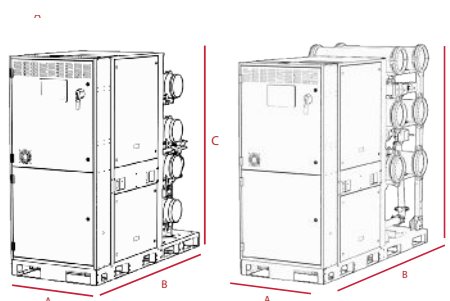
- Voltages: 208-230/60/3, 460/60/3, 575/60/3
- Oversized brazed plate heat exchangers offer high efficiency with industry low waterside pressure drop
- True-dual circuit brazed plate heat exchangers provide better part load efficiencies compared to two single circuit evaporators
- Heavy gauge, galvanized steel enclosure with quick-turn latched access panels that can easily be removed for ease of service
- Fork pockets and lifting points in the frame enable maneuverability for installation and shipment
- Circuit breakers provide circuit protection and minimal downtime
- Removable 4 or 6 pipe rack in a wide variety of configurations to suit any building's needs
- Standard Aurora HydroLink® microprocessor controls include set-point control, advanced refrigeration monitoring, a standard color touch-screen interface, advanced trending and diagnostics, and standard provisions for remote access using BACnet, or standalone options
- Multiple units can be staged together using the Remote HydroLink® Supervisory Controller for automatic and optimal staging of all units in a system. Supervisory controller can also accommodate additional controls including flow meters, pump control, power analyzers, and additional sensors
- Refrigeration modules & header rack can ship separately, eliminating downtime & lowering first installed cost
- Phase guard monitor provides phase reversal, phase imbalance, and loss of phase protection



| No Header Rack | Overall Cabinet Dimensions | | |
|----------------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 020-080 | 33.5 [85.09] | 46.3 [117.60] | 73.5 [186.69] |



| Header Rack | Overall Cabinet Dimensions | | |
|----------------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 020-080 | 34.0 [86.36] | 38.0 [96.52] | 73.29 [186.15] |

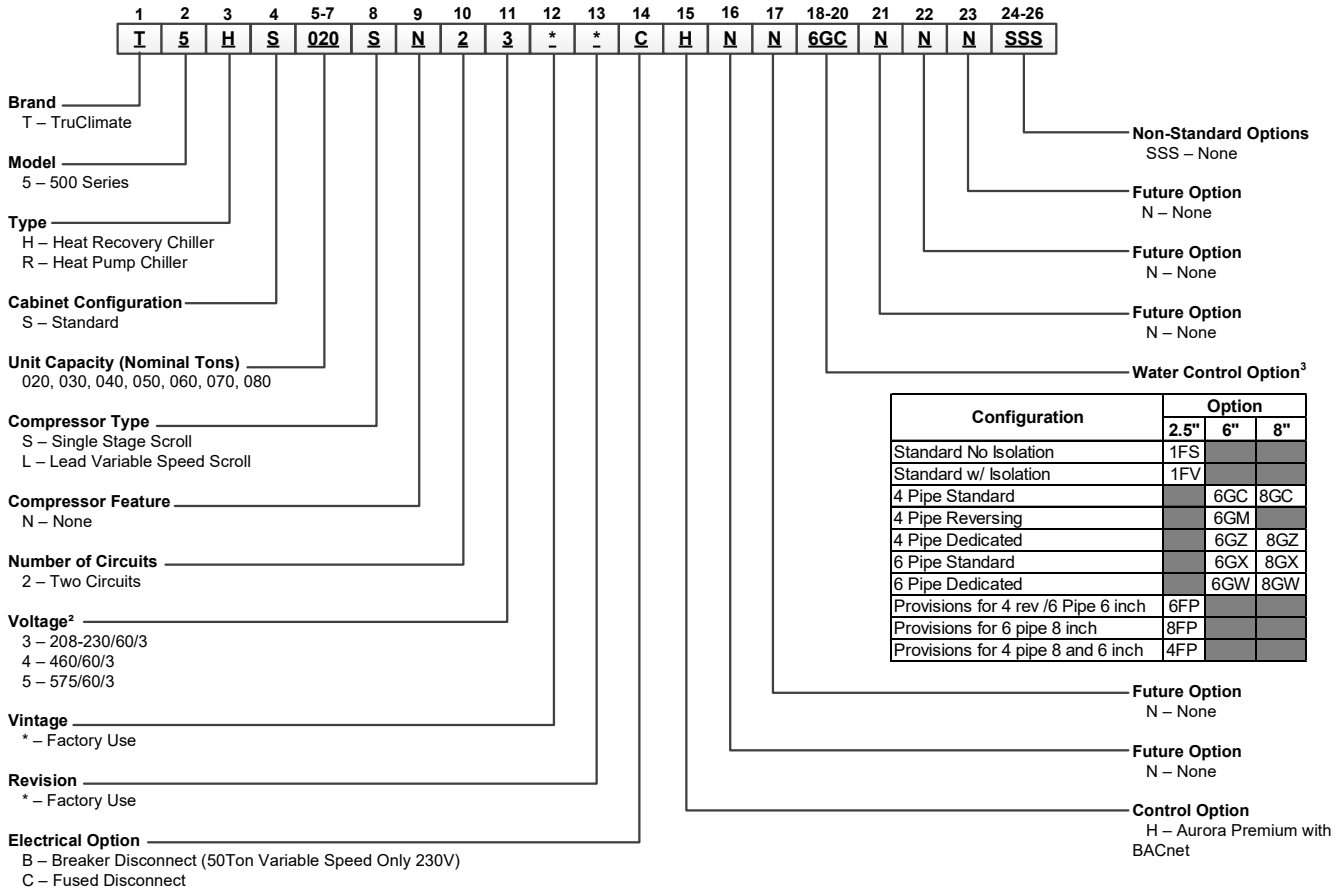


| With Header Rack | Overall Cabinet Dimensions | | |
|------------------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 020-080 | 34.0 [86.36] | 74.11 [188.23] | 73.29 [186.15] |



T5HS020SN23**CHNN6GCNNSSS

TRUCLIMATE® 500 WATER-COOLED CHILLER 20-80 TON



- Notes:
- 1 – "T5H" and "T5R" models available from 20-80 ton.
 - 2 – See electrical availability table for detailed offering by voltage.
 - 3 – Standard no isolation and standard w/ isolation supplied with 2-1/2" flange connection.
All 4 pipe and 6 pipe options with grooved connection standard, flange conversion available.
All "Provisions" water control options allow the module to be field connected to the specific header rack and with this option the header rack must be purchased separately from the unit. See standalone header rack nomenclature.
"4 Pipe Dedicated" can only be used in conjunction with "6 Pipe Dedicated".
 4. Standard control option includes BACnet and standalone control.
 5. Lead Variable Speed Scroll Option available only in 20, 30 and 50Ton Heat Recovery Option and in 30Ton and 50T Heat Pump option.

Voltage Availability

| Voltage | Dual Scroll Models | | | | | | | Lead VS Compressor | |
|--------------|--------------------|-----|-----|-----|-----|-----|-----|--------------------|-----|
| | 020 | 030 | 040 | 050 | 060 | 070 | 080 | 030 | 050 |
| 208-230/60/3 | •• | •• | •• | •• | | | | • | • |
| 460/60/3 | •• | •• | •• | •• | •• | •• | •• | • | • |
| 575/60/3 | •• | •• | •• | •• | •• | •• | •• | • | • |

Performance Data and Unit Ratings can be found on **WeDoGeo.com**

Contact your WaterFurnace® Sales Representative for assistance.



TruClimate 500 Series models are safety listed and conforms to UL STDS 60335-1 & 60335-2-40 Certified to CSA STDSC22.2 60335-1 & 60335-2-40 through ETL.



TruClimate 300 & 500 products are performance certified by AHRI Standard 550/590 for Water-Cooled Water Chilling and Heat Pump Water-Heating Packages.

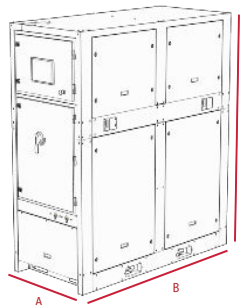
TRUCLIMATE® 700 WATER-COOLED CHILLER

140 TON

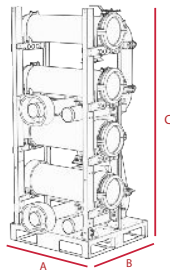
WATER-COOLED CHILLER

Standard Features

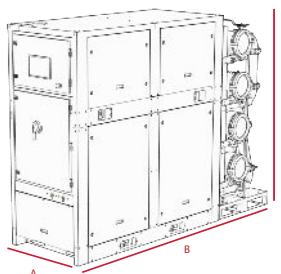
- Voltage: 460/60/3
- Oversized brazed plate heat exchangers offer high efficiency with industry low waterside pressure drop
- Heavy gauge, galvanized steel enclosure with quick-turn latched access panels that can easily be removed for ease of service
- Fork pockets and lifting points in the frame enable maneuverability for installation and shipment
- Standard Aurora HydroLink® microprocessor controls include set-point control, advanced refrigeration monitoring, a standard color touch-screen interface, advanced trending and diagnostics, and standard provisions for remote access using BACnet or standalone options
- Multiple units can be staged together using the Remote HydroLink® Supervisory Controller for automatic and optimal staging of all units in a system. Supervisory controller can also accommodate additional controls including flow meters, pump control, power analyzers, and additional sensors
- Refrigeration modules & header rack can ship separately, eliminating downtime & lowering first installed cost
- DC inverted variable speed, single-screw compressor
- Chiller is capable of producing 40°F water while simultaneously producing 145°F water
- The chiller is capable of turning down to 25% capacity
- Advanced controls enable the end-user to bank and control up to ten 140 ton chillers
- Phase guard monitor provides phase reversal, phase imbalance, and loss of phase protection



| No Header Rack | Overall Cabinet Dimensions | | |
|----------------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 140 | 34.0 [86.36] | 74.0 [187.96] | 78.0 [198.12] |



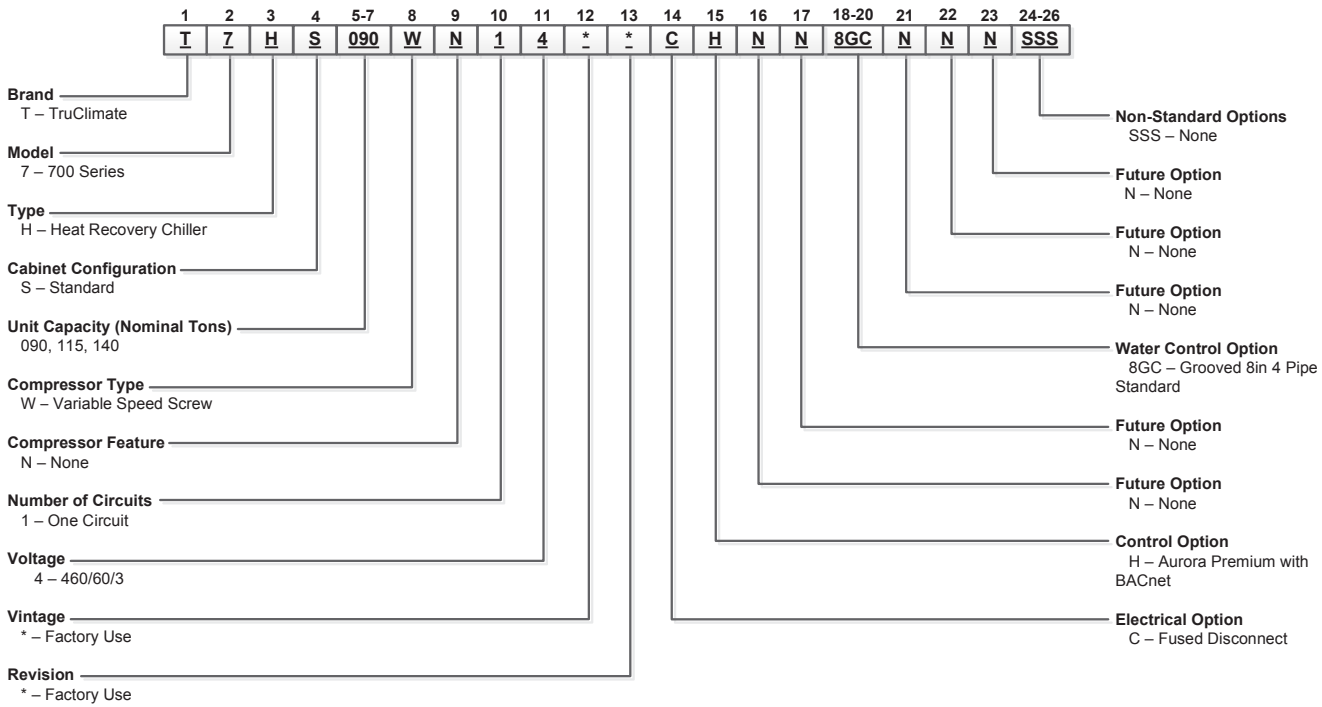
| Header Rack | Overall Cabinet Dimensions | | |
|-------------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 140 | 34.0 [86.36] | 31.0 [78.74] | 74.0 [187.96] |



| With Header Rack | Overall Cabinet Dimensions | | |
|------------------|----------------------------|-----------------------|------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 140 | 34.0 [86.36] | 105.0 [266.70] | 78.0 [198.12] |



T7HS090WN14CHNN8GCNNNSSS**



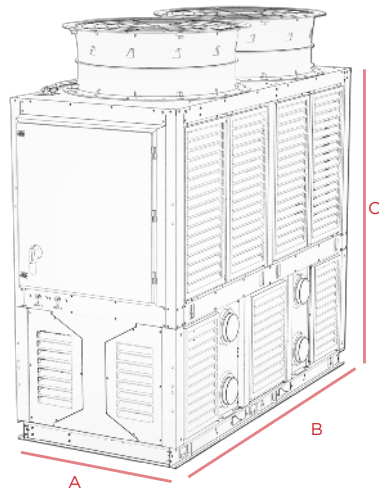
Performance Data and Unit Ratings can be found on WeDoGeo.com
 Contact your WaterFurnace® Sales Representative for assistance.

30 TON

AIR-COOLED HEAT PUMP CHILLER

Standard Features

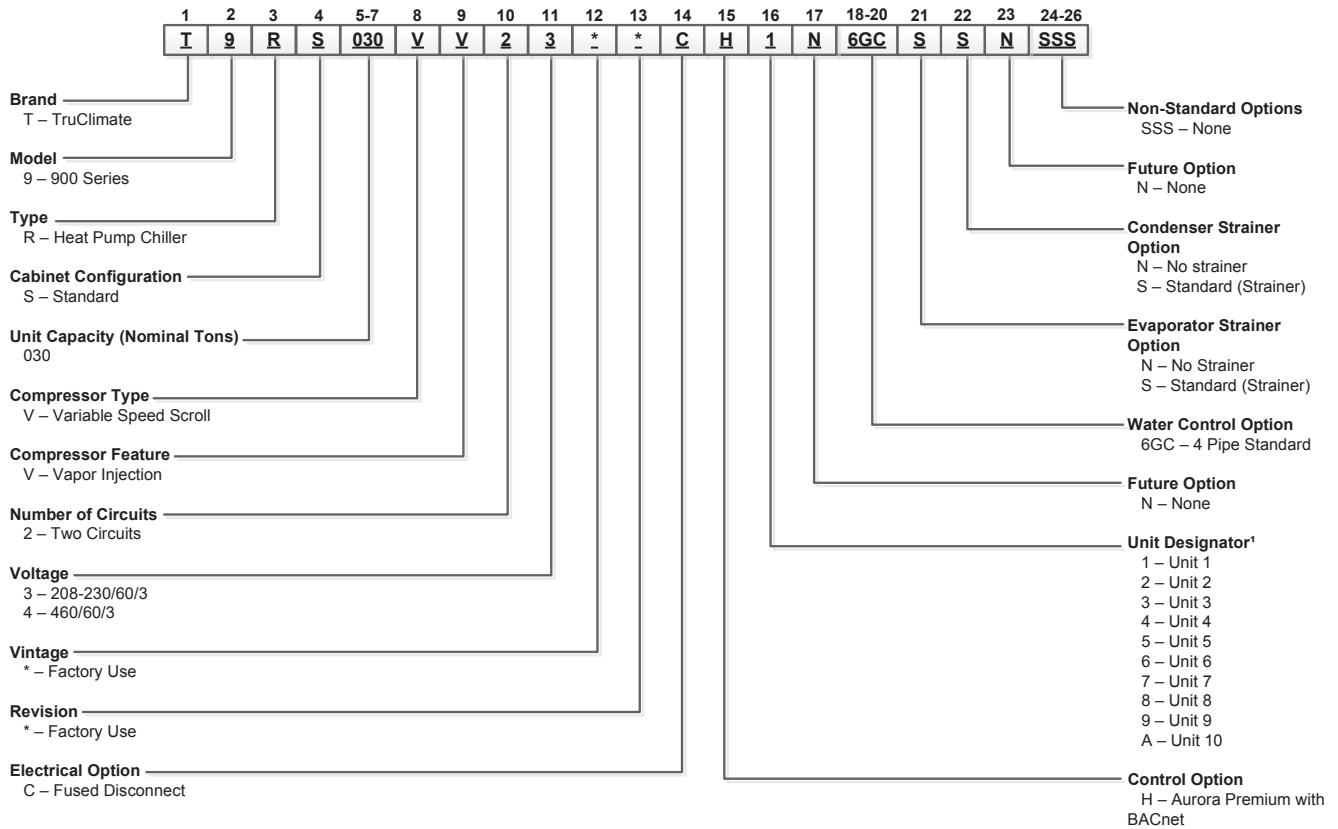
- Voltage: 460/60/3, 208-230/60/3
- Oversized brazed plate heat exchangers offer high efficiency with industry low waterside pressure drop
- Heavy gauge, galvanized steel enclosure with quick turn latched access panels that can easily be removed for ease of service 3000 Hour Salt Spray-rated powder coat finish
- Fork pockets and lifting points in the frame enable maneuverability for installation and shipment
- Standard Aurora Hydrolink® microprocessor controls include set-point control, advanced refrigeration monitoring, a standard color touch-screen interface, advanced trending and diagnostics, and standard provisions for remote access using BACnet or standalone options
- Multiple units can be staged together using the Remote HydroLink® Supervisory Controller for automatic and optimal staging of all units in a system. Supervisory controller can also accommodate additional controls including flow meters, pump control, power analyzers, and additional sensors
- DC inverted variable speed scroll compressor with OptiHeat technology
- Chiller is capable of producing 44°F delivered cold water while simultaneously producing 120°F delivered hot water
- The chiller is capable of turning down to 12.5% capacity
- Advanced controls enable the end-user to bank and control up to ten, 30-ton chillers
- Single point ready capabilities



| Model | Overall Cabinet Dimensions | | |
|------------|----------------------------|--------------------------|---------------------------|
| | A (WIDTH) in. [cm] | B (DEPTH) in. [cm] | C (HEIGHT) in. [cm] |
| 030 | 42.18 [107.13] | 94 [238.76] | 95.11 [241.57] |



T9RS030VV23**CH1N6GCSSNSSS



Notes:

1. Unit Designator references units per bank. Single Point Power Disconnect will accommodate up to 8 units maximum.

Performance Data and Unit Ratings can be found on WeDoGeo.com

Contact your WaterFurnace® Sales Representative for assistance.

Aurora® Controls Platform

Aurora® Control Network (ACN)

The Aurora Control Network (ACN) is a sophisticated, communicating control platform designed with a modular approach to deliver powerful features that are fit for use on a wide range of applications such as standard fixed-speed, water-source heat pumps, variable speed compressor technology up to dedicated outdoor air system (DOAS) units with exhaust air energy recovery. What makes ACN so powerful is modularity, ability to communicate, and firmware that is developed for each application. ACN is a complete commercial comfort control system that brings all aspects of the HVAC system into one cohesive module network. Each Aurora module will contain logic to control all features connected to it.

The Aurora Control functions on 4-wire communication done through the ModBus protocol that is an open source protocol that has become more popular with equipment manufacturers for use in HVAC equipment. The Aurora has one slave 'bus' for the microprocessor boards and accessory devices on which it communicates.

Here are the main devices of that make up the Aurora Control Network:



Aurora® Base Control (ABC)

Aurora Base Control (ABC) is the main board that controls the basic functions of compressor, fan motor, RV, thermostat and other basic component control.



Aurora® Interface Diagnostic (AID) Tool

Aurora Interface Diagnostic (AID) Tool is a hand held device that can be plugged into any ABC board for quick setup, configuration, diagnostic and troubleshooting capability.



Aurora® Expansion Board (AXB)

Aurora Expansion Board (AXB) is added to an ABC to include features like compressor current monitoring, loop pump slaving, intelligent hot water assist control, VS pump control, and also allows optional energy, refrigeration and performance monitoring add-on sensor kits.

Aurora® Controls Platform



Universal Protocol Converter (UPC2)

Universal Protocol Converter (UPC2) is designed to be added-on to an Aurora Control system so it can be integrated into the Building Automation System (BAS) with ease. The UPC2 converts Modbus communication from the Aurora Control System to BACnet.



Thermostats

Communicating thermostat models are available for connection to the Aurora System with varying features such as faults in plain English and color touch screen option



IntelliZone2® (IZ2)

IntelliZone2 (IZ2) is added to the system but requires the AXB for a dedicated communication port specifically designed for the IZ2. IZ2 allows for up to 6 zones with variable speed compressors. This option cannot be used when the unit is equipped with UPC2 option.



IntelliZone2® BACnet

IntelliZone2 (IZ2) BACnet provides the same features and benefits of the IZ2 but adds the ability to communicate over BACnet to the building automation system. IZ2 BACnet requires the heat pump to be built with the UPC2 option.

Other Communicating Components:

- Variable speed compressor drive (VS Drive) drive communicates with the ABC for commands and returns status, sensor values, and faults.
- Electronic Expansion Valve (EEV) board is a small board connected to the AXB which controls the EEV via pressure and temperature sensors and a stepper motor. This board is only used on larger tonnage equipment. Smaller tonnage EEVs are controlled directly by the AXB.
- Expansion for other communicating components such as ECM Fan Motor and other devices for fit for use application.
- UPC2 sensors communicate on the RNet to the UPC2 which offers the advantage of troubleshooting for any UPC2 thermostat or sensor. For more information see the literature guide table for additional documentation

Optional Accessories - Thermostats

A wide array of thermostats are available for the standalone operation of the system. These include both 24VAC traditional thermostats as well as 4 wire communicating versions.



TP32U04



TPCC32U03WWAT



TP32S01-02



TA32V06C



ZS Zone Sensors
Aurora UPC2

| | Heat/Cool Stages | Color/BW | Programmable | Touch-screen | Text Based | Fault Flash | ComfortTalk | Dual Fuel | Humidity | 4 Wire | Ext Sensor | Communicating | BACnet |
|---------------|------------------|----------|--------------|--------------|------------|-------------|-------------|-----------|----------|--------|------------|---------------|--------|
| TP32U04 | 3/2 | BW | • | • | • | • | • | • | • | • | • | • | • |
| TPCC32U03WWAT | 3/2 | Color | • | • | • | • | • | • | • | • | • | • | • |
| TPCM32U04A | 3/2 | BW | • | • | • | • | • | • | • | • | • | • | • |
| TP32S01 | 3/2 | BW | • | • | • | • | • | • | • | • | • | • | • |
| TP32S02 | 3/2 | BW | • | • | • | • | • | • | • | • | • | • | • |
| TA32V06C | 3/2 | BW | • | • | • | • | • | • | • | • | • | • | • |
| ZS Sensors | 3/2 | BW | • | • | • | • | • | Opt | • | • | • | • | • |

NOTE: All thermostats include auto changeover function.

Aurora UPC2 Zone Sensors



ZS



ZS Plus



ZS Pro



ZS Pro-F

| | Temp, CO2, humidity/VOC Options | Aurora Touch/Android Tablet Access Port | Occupancy Status LED | Occupancy Override Button | Setpoint Adjust | Large LCD Display | Alarm/Audit Indicator | °F or °C Button |
|-------------|---------------------------------|---|----------------------|---------------------------|-----------------|-------------------|-----------------------|-----------------|
| ZS Standard | • | • | • | • | • | • | • | • |
| ZS Plus | • | • | • | • | • | • | • | • |
| ZS Pro | • | • | • | • | • | • | • | • |
| ZS Pro-F | • | • | • | • | • | • | • | • |

IntelliZone2® Commercial and BACnet Comfort Zoning Systems

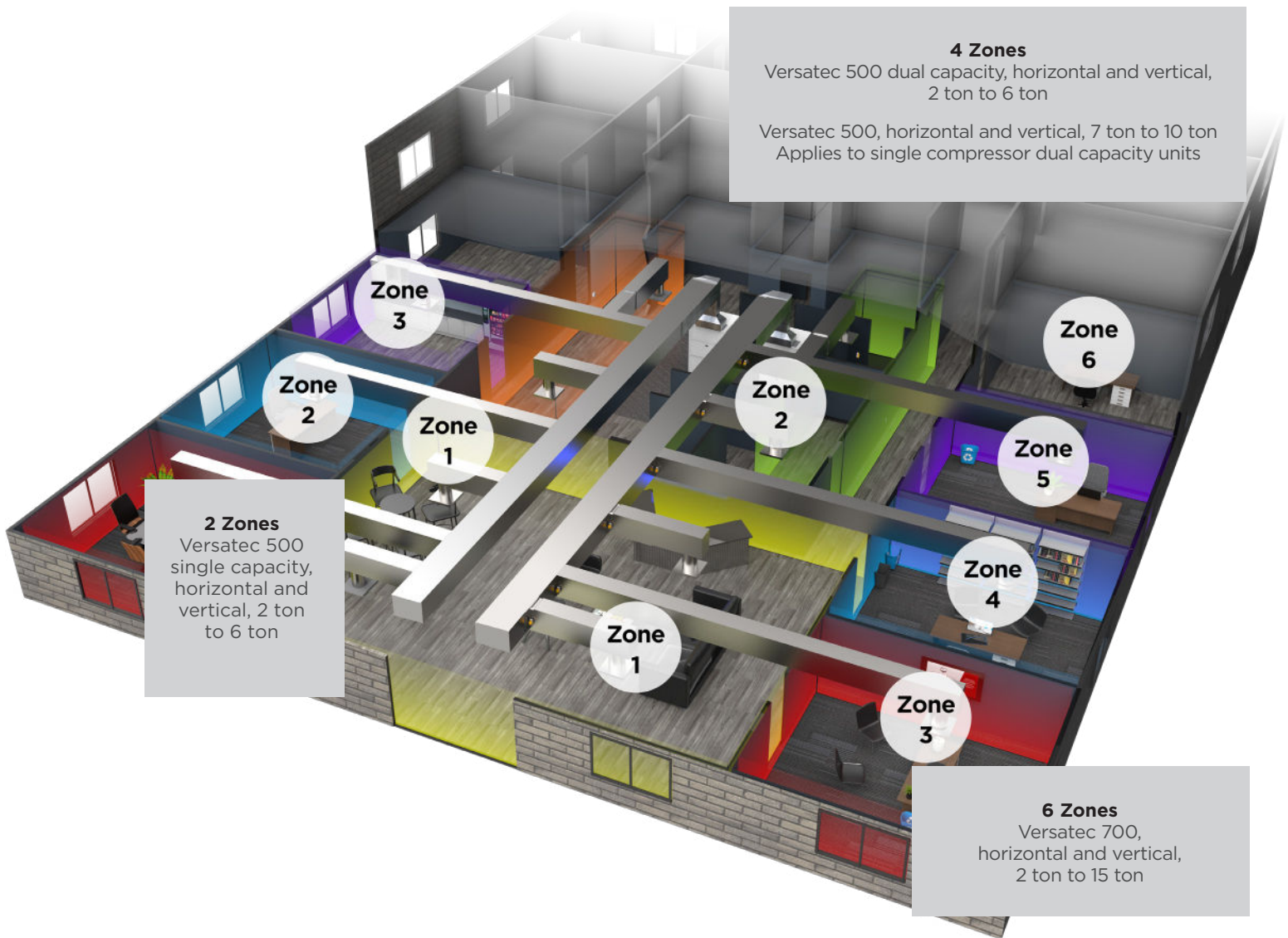
Commercial properties come with complex heating and cooling challenges—especially in multi-use buildings with a variety of spaces, purposes, and zones. To maximize a property's potential, WaterFurnace's IntelliZone2 Comfort Zoning System makes it easy to control and regulate temperatures in multiple zones.

With the IntelliZone2 system, a single water source heat pump can be used to support up to six zones, which utilizes less equipment for a lower total cost. With fewer units needed, more space is available in the mechanical room and can be used for other purposes.

Additionally, a BACnet version is available for the IntelliZone2 system. It offers seamless integration into building automation systems for multi-zone control in more complex commercial properties.

Best of all, unlike zoning control equipment made by other manufacturers, the IntelliZone2 Comfort Zoning System was engineered and designed by and for WaterFurnace—providing peace of mind and reliable performance with WaterFurnace water source heat pumps.

The IntelliZone2 System is compatible with a wide range of water source heat pumps, including:



IntelliZone2® Components



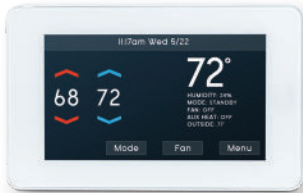
IntelliZone2® Relay Board (Firmware Version 2.01 or Later)

The IntelliZone2 relay board provides basic relay logic for the damper operation and serves as a common connection point for all IntelliZone2 thermostats and the heat pump.



IntelliZone2® Outdoor Sensor

The IntelliZone2 Outdoor Sensor measures the outdoor temperature and communicates to the IntelliZone2 system. This temperature is displayed on the MainStat, and also used to balance response as well as auxiliary electric heat use. The Outdoor Sensor is included in every IntelliZone2 kit.



IntelliZone2® MainStat

The IntelliZone2 MainStat is the master control for the system and has all of the programming for operation. It is a 4.3 in. communicating color touch screen device that also functions as a zone thermostat for Zone 1. Optional remote sensor capability is also available.



TPCC32U03WWAT

The TPCC32U03WWAT is a 4.3 in communicating color touch screen device that can be used as a zone thermostat for zones 2 through 6. It has full set back capability and communicates to the IntelliZone2 System.



IntelliZone2® ZoneStat (Optional)

The IntelliZone2 ZoneStat is a zone thermostat option for any of Zones 2 through 6. It has full setback capability and communicates to the IntelliZone2 system.



SensorStat-Remote-Kit (Optional)

The SensorStat-Remote-Kit is an option for an invisible thermostat installation and communicates with the IntelliZone2 relay panel. The kit will include the SensorStat Remote, TSU03 (mud in sensor) and wire nuts. This kit will monitor the zone temperature in zones 2 through 6. All set point adjustments are made at the MainStat.



IntelliZone2® SensorStat (Optional)

The IntelliZone2 SensorStat is a zone thermostat option for any of Zones 2 through 6. It has full setback capability (through the MainStat interface only) and communicates to the IntelliZone2 system.

IntelliZone2® BACnet Components



IntelliZone2® BACnet Zoning Board

The IntelliZone2 BACnet zoning board is the master control for the system, has much of the programming for operation, provides basic relay logic for the damper operation and serves as a common connection point for the IntelliZone2 UPC2 Control and the heat pump.



IntelliZone2® BACnet UPC2 Control

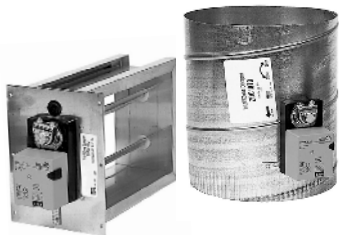
The IntelliZone2 BACnet UPC2 Control provides the BACnet interface for the system to the BAS. It is a communicating device that connects to all zone sensors.



IntelliZone2® BACnet Zone Sensors

The IntelliZone2 BACnet Zone Sensors are used for all zones. Sensors are available with humidity, CO2 and VOC options as well as with and without temperature display and setpoint adjustment controls.

Note: Only one zone sensor with a CO2 or VOC option may be used per system.



IntelliZone2® Damper System

The IntelliZone2 BACnet Damper Systems come in round or rectangular construction with 2 or 3-wire actuators.



Commercial Warranty Coverage

| Product | Warranty Option |
|---------------------------------------|---|
| All Commercial WSHP | 12 months part only max 18 month parts only |
| All TruClimate Products | 12 months parts only |
| Commercial WSHP & TruClimate Products | 3 year compressor only |
| | 3 year compressor & refrigerant circuit only |
| | 3 year all component parts |
| | 5 year compressor only |
| | 5 year compressor & refrigerant circuit only |
| | 5 year all component parts |

Warranty is active from date of shipment. Unit registration must be completed to adjust warranty start date to the date of unit startup.

Additional Warranties

Replacement Parts:

- For the remainder of the warranty period of the unit.
- One year (from ship date) parts only if unit is out of warranty or they are installed on non-WaterFurnace equipment.

Accessories:

- One year (from ship date) part only if not installed with the unit or installed on a non-WaterFurnace unit.
- External intermediate heat exchangers have a 1 year part only warranty from the date of shipment.

Warranty Buy-Up

Buy ups on warranty may be allowed up to 12 months from the original ship date, as long as no warranty claims have been processed within one year from the ship date. If the unit has any warranty claims, the terms of the warranty cannot be changed. The warranty buy up is subject to cancellation if a claim is submitted within 30 days of the buy up. No exceptions will be made beyond 12 months. To submit your warranty buy up request, please click on "Warranty Portal" under the warranty tile on the WeDo homepage, then click on the Warranty Buy Up tile.



Manufactured by
WaterFurnace International, Inc.
9000 Conservation Way
Fort Wayne, IN 46809
www.waterfurnace.com



PC1550EW **12/25**



Product: **Commercial Products Specification Catalog**