



Quick Ship

Versatec 500

Premium efficiency in a cabinet footprint that rivals lower efficiency water source heat pumps



The Quick Ship Program

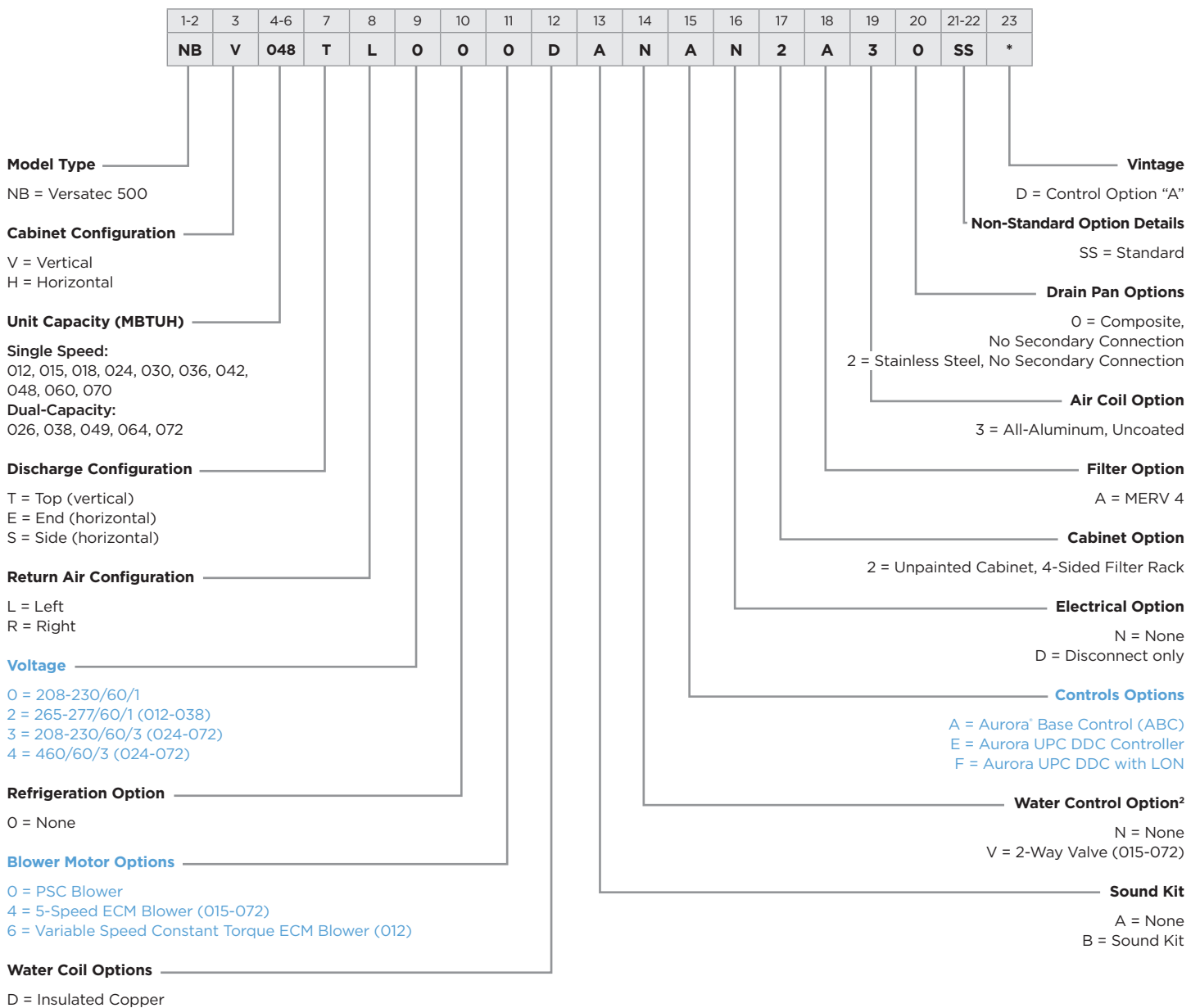
WaterFurnace Commercial Solutions Group is offering a quick shipment on a select range of Versatec 500 units to support a growing demand for replacement water source heat pumps. This program currently allows a maximum of three units of any one size and voltage with a maximum of six total units in one order and is available with the configurations and options listed inside.

Versatec 500 Configuration Options

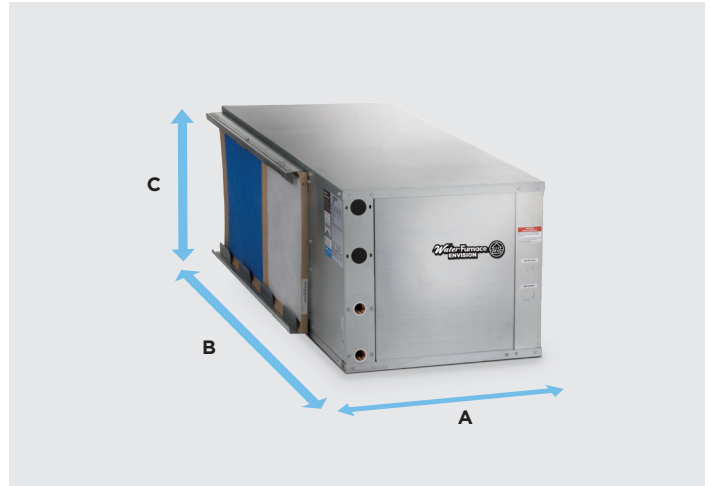
Maximum of 3 units per size and voltage with a total of 6 units per order

- 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: 026, 038, 048, 064, 072
- Voltages: 208-230/60/1, 265-277/60/1, 208-230/60/3, 460/60/3
- Blower motor options: Standard PSC or 5-Speed ECM (015-072)
- All-Aluminum Air Coil
- Optional Insulated Water Coil
- 4-Sided Filter Rack
- Optional Sound Kit
- Optional Electrical Disconnect
- Optional Hot Water Generator
- Optional Stainless Steel Condensate Drain Pan
- Optional 2-way Internal Water Valve (015-072)
- Optional UPC DDC Controller (BACnet or Lon)

Nomenclature



Model Sizing



| Model | A | B | C |
|-----------|------|------|------|
| 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 | A | B | C |
|-----------|------|------|------|
| 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 |

Performance Data

PSC Motors

ARI/ASHRAE/ISO 13256-1
English (IP) Units

| 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 Btu/h | EER Btuh/W | Capacity Btu/h | COP | Capacity Btu/h | EER Btuh/W | Capacity Btu/h | COP | Capacity Btu/h | EER Btuh/W | Capacity Btu/h | COP |
| 012 | Single | 3.5 | 400 | 12,300 | 15.7 | 14,800 | 5.1 | 14,500 | 25.5 | 12,300 | 4.5 | 13,000 | 18.0 | 9,600 | 3.7 |
| 015 | Single | 4.0 | 500 | 14,400 | 15.9 | 18,500 | 5.1 | 16,700 | 26.0 | 15,500 | 4.5 | 15,000 | 18.0 | 12,000 | 3.8 |
| 018 | Single | 5.0 | 600 | 18,000 | 15.6 | 23,000 | 5.1 | 21,000 | 25.5 | 19,000 | 4.4 | 18,500 | 18.0 | 14,700 | 3.8 |
| 024 | Single | 8.0 | 850 | 24,800 | 16.2 | 29,600 | 5.0 | 28,100 | 24.0 | 23,900 | 4.3 | 26,000 | 19.2 | 18,900 | 3.7 |
| 030 | Single | 8.0 | 900 | 27,600 | 18.2 | 30,600 | 5.4 | 30,800 | 27.1 | 24,400 | 4.7 | 29,200 | 21.1 | 19,800 | 3.8 |
| 036 | Single | 9.0 | 1200 | 34,100 | 17.6 | 34,200 | 5.6 | 36,300 | 25.7 | 28,200 | 4.7 | 34,600 | 19.6 | 24,100 | 4.0 |
| 042 | Single | 11.0 | 1300 | 40,100 | 16.6 | 42,800 | 5.1 | 44,600 | 24.5 | 34,900 | 4.3 | 41,600 | 18.6 | 27,500 | 3.7 |
| 048 | Single | 12.0 | 1500 | 46,400 | 15.5 | 53,100 | 4.9 | 51,600 | 22.5 | 43,400 | 4.2 | 48,900 | 17.3 | 35,000 | 3.6 |
| 060 | Single | 15.0 | 1800 | 61,300 | 15.4 | 69,000 | 5.0 | 68,700 | 23.2 | 55,100 | 4.4 | 65,500 | 18.2 | 43,200 | 3.7 |
| 070 | Single | 18.0 | 2000 | 67,000 | 14.5 | 81,800 | 4.6 | 75,900 | 21.6 | 66,100 | 4.0 | 70,600 | 17.0 | 52,000 | 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

3/16/12

Variable Speed ECM and 5-Speed ECM Motors

AHRI/ASHRAE/ISO 13256-1
English (IP) Units

| 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 Btu/h | EER Btuh/W | Capacity Btu/h | COP | Capacity Btu/h | EER Btuh/W | Capacity Btu/h | COP | Capacity Btu/h | EER Btuh/W | Capacity Btu/h | COP |
| 012 | Single | 3.5 | 400 | 11,400 | 14.4 | 14,900 | 5.2 | 13,400 | 23.5 | 12,200 | 4.3 | 12,200 | 17.1 | 9,500 | 3.6 |
| 015 | Single | 4.0 | 500 | 14,400 | 16.5 | 18,500 | 5.3 | 16,700 | 27.0 | 15,500 | 4.7 | 15,000 | 18.8 | 12,000 | 4.0 |
| 018 | Single | 5.0 | 600 | 18,000 | 16.5 | 23,000 | 5.3 | 21,000 | 26.8 | 19,000 | 4.7 | 18,500 | 19.0 | 14,700 | 4.1 |
| 024 | Single | 8.0 | 800 | 24,800 | 17.0 | 29,600 | 5.3 | 28,100 | 27.5 | 23,900 | 4.6 | 26,000 | 19.6 | 18,900 | 3.8 |
| 030 | Single | 8.0 | 900 | 27,800 | 19.2 | 30,600 | 5.7 | 31,200 | 29.5 | 24,400 | 4.8 | 29,400 | 21.9 | 20,000 | 4.0 |
| 036 | Single | 9.0 | 1200 | 34,900 | 21.6 | 34,200 | 6.0 | 38,000 | 30.1 | 28,200 | 5.1 | 35,400 | 22.4 | 24,100 | 4.4 |
| 042 | Single | 11.0 | 1300 | 40,800 | 20.0 | 42,800 | 5.7 | 46,200 | 29.5 | 35,000 | 4.9 | 42,000 | 21.8 | 27,500 | 4.2 |
| 048 | Single | 12.0 | 1500 | 47,300 | 18.5 | 53,100 | 5.4 | 53,000 | 26.1 | 43,400 | 4.7 | 49,300 | 20.1 | 35,000 | 3.9 |
| 060 | Single | 15.0 | 1800 | 61,300 | 16.6 | 69,000 | 5.3 | 69,000 | 24.7 | 57,000 | 4.7 | 65,500 | 19.2 | 45,000 | 4.0 |
| 070 | Single | 18.0 | 2000 | 67,000 | 15.4 | 81,800 | 5.0 | 77,400 | 23.8 | 67,000 | 4.4 | 70,600 | 18.0 | 52,500 | 3.7 |
| 026 | Full | 8.0 | 950 | 26,000 | 17.3 | 30,300 | 5.5 | 29,000 | 24.0 | 25,100 | 5.0 | 27,700 | 20.4 | 19,500 | 4.3 |
| | Part | 7.0 | 750 | 20,000 | 19.5 | 22,300 | 6.4 | 22,600 | 32.7 | 18,300 | 5.3 | 22,000 | 27.9 | 16,300 | 4.8 |
| 038 | Full | 9.0 | 1300 | 39,000 | 18.0 | 40,300 | 5.4 | 39,400 | 24.1 | 33,600 | 4.8 | 40,200 | 21.0 | 26,700 | 4.1 |
| | Part | 8.0 | 1150 | 28,500 | 20.3 | 29,100 | 6.3 | 31,500 | 35.4 | 24,000 | 5.1 | 30,100 | 30.0 | 22,000 | 4.8 |
| 049 | Full | 12.0 | 1600 | 50,300 | 17.1 | 56,100 | 5.2 | 56,200 | 24.5 | 46,300 | 4.6 | 52,000 | 20.0 | 37,400 | 4.0 |
| | Part | 11.0 | 1400 | 37,200 | 19.2 | 39,800 | 5.8 | 41,500 | 33.0 | 32,300 | 4.7 | 40,600 | 28.5 | 30,000 | 4.6 |
| 064 | Full | 16.0 | 1800 | 62,000 | 16.3 | 70,600 | 5.2 | 70,100 | 23.9 | 58,000 | 4.7 | 65,100 | 18.7 | 47,100 | 4.0 |
| | Part | 14.0 | 1500 | 45,000 | 18.0 | 50,100 | 5.8 | 51,500 | 29.9 | 41,300 | 5.0 | 50,000 | 25.9 | 37,000 | 4.4 |
| 072 | Full | 18.0 | 2000 | 69,000 | 15.0 | 81,900 | 4.8 | 78,500 | 22.0 | 67,500 | 4.3 | 71,600 | 17.0 | 54,200 | 3.7 |
| | Part | 16.0 | 1500 | 52,800 | 16.0 | 61,400 | 5.2 | 61,000 | 27.0 | 49,400 | 4.4 | 59,000 | 23.4 | 45,000 | 4.1 |

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

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