Output Details and Examples

EnergyPlus Outputs, Example Inputs and Data Set Files

<Snip>

### Component Sizing Information

Component sizing is applicable to all manners of autosized components and equipments (coils, boilers, chillers, towers, humidifiers, namely – whatever can be autosized)

**! <Component Sizing Information>, Component Type, Component Name, Input Field Description, Value**

Component Sizing Information, AirTerminal:SingleDuct:VAV:Reheat, SPACE1-1 VAV REHEAT, Maximum Air Flow Rate [m3/s], 0.22672

Component Sizing Information, AirTerminal:SingleDuct:VAV:Reheat, SPACE1-1 VAV REHEAT, Maximum Reheat Water Flow Rate [m3/s], 5.87104E-005

Component Sizing Information, Coil:Heating:Water, SPACE1-1 ZONE COIL, Maximum Water Flow Rate [m3/s], 5.87104E-005

Component Sizing Information, Coil:Heating:Water, SPACE1-1 ZONE COIL, Design Coil Load [W], 2699.50304

Component Sizing Information, Coil:Heating:Water, SPACE1-1 ZONE COIL, U-Factor Times Area Value [W/K], 66.15122

Component Sizing Information, AirTerminal:SingleDuct:VAV:Reheat, SPACE2-1 VAV REHEAT, Maximum Air Flow Rate [m3/s], 0.17666

Component Sizing Information, AirTerminal:SingleDuct:VAV:Reheat, SPACE2-1 VAV REHEAT, Maximum Reheat Water Flow Rate [m3/s], 4.57480E-005

Component Sizing Information, Coil:Heating:Water, SPACE2-1 ZONE COIL, Maximum Water Flow Rate [m3/s], 4.57480E-005

Component Sizing Information, Coil:Heating:Water, SPACE2-1 ZONE COIL, Design Coil Load [W], 2103.49527

Component Sizing Information, Coil:Heating:Water, SPACE2-1 ZONE COIL, U-Factor Times Area Value [W/K], 51.54607

Component Sizing Information, AirTerminal:SingleDuct:VAV:Reheat, SPACE3-1 VAV REHEAT, Maximum Air Flow Rate [m3/s], 0.20944

Component Sizing Information, AirTerminal:SingleDuct:VAV:Reheat, SPACE3-1 VAV REHEAT, Maximum Reheat Water Flow Rate [m3/s], 5.42362E-005

Component Sizing Information, Coil:Heating:Water, SPACE3-1 ZONE COIL, Maximum Water Flow Rate [m3/s], 5.42362E-005

Component Sizing Information, Coil:Heating:Water, SPACE3-1 ZONE COIL, Design Coil Load [W], 2493.78307

Component Sizing Information, Coil:Heating:Water, SPACE3-1 ZONE COIL, U-Factor Times Area Value [W/K], 61.11006

Component Sizing Information, AirTerminal:SingleDuct:VAV:Reheat, SPACE4-1 VAV REHEAT, Maximum Air Flow Rate [m3/s], 0.22257

Component Sizing Information, AirTerminal:SingleDuct:VAV:Reheat, SPACE4-1 VAV REHEAT, Maximum Reheat Water Flow Rate [m3/s], 5.76351E-005

Component Sizing Information, Coil:Heating:Water, SPACE4-1 ZONE COIL, Maximum Water Flow Rate [m3/s], 5.76351E-005

Component Sizing Information, Coil:Heating:Water, SPACE4-1 ZONE COIL, Design Coil Load [W], 2650.06093

Component Sizing Information, Coil:Heating:Water, SPACE4-1 ZONE COIL, U-Factor Times Area Value [W/K], 64.93964

Component Sizing Information, AirTerminal:SingleDuct:VAV:Reheat, SPACE5-1 VAV REHEAT, Maximum Air Flow Rate [m3/s], 0.22187

Component Sizing Information, AirTerminal:SingleDuct:VAV:Reheat, SPACE5-1 VAV REHEAT, Maximum Reheat Water Flow Rate [m3/s], 5.74541E-005

Component Sizing Information, Coil:Heating:Water, SPACE5-1 ZONE COIL, Maximum Water Flow Rate [m3/s], 5.74541E-005

Component Sizing Information, Coil:Heating:Water, SPACE5-1 ZONE COIL, Design Coil Load [W], 2641.74210

Component Sizing Information, Coil:Heating:Water, SPACE5-1 ZONE COIL, U-Factor Times Area Value [W/K], 64.73579

Component Sizing Information, Branch, VAV SYS 1 MAIN BRANCH, Maximum Flow Rate [m3/s], 1.05725

Component Sizing Information, AirLoopHVAC, VAV SYS 1, Design Supply Air Flow Rate [m3/s], 1.05725

Component Sizing Information, Controller:OutdoorAir, OA CONTROLLER 1, Maximum Outdoor Air Flow Rate [m3/s], 1.05725

Component Sizing Information, Controller:OutdoorAir, OA CONTROLLER 1, Minimum Outdoor Air Flow Rate [m3/s], 0.26412

Component Sizing Information, Coil:Heating:Water, OA HEATING COIL 1, Maximum Water Flow Rate [m3/s], 1.48158E-004

Component Sizing Information, Coil:Heating:Water, OA HEATING COIL 1, Design Coil Load [W], 6812.28921

Component Sizing Information, Coil:Heating:Water, OA HEATING COIL 1, U-Factor Times Area Value [W/K], 84.72044

Component Sizing Information, Coil:Cooling:Water, OA COOLING COIL 1, Design Water Flow Rate [m3/s], 1.14523E-003

Component Sizing Information, Coil:Cooling:Water, OA COOLING COIL 1, Design Air Flow Rate [m3/s], 0.26412

Component Sizing Information, Coil:Cooling:Water, OA COOLING COIL 1, Design Inlet Air Temperature [C], 30.01375

Component Sizing Information, Coil:Cooling:Water, OA COOLING COIL 1, Design Outlet Air Humidity Ratio, 8.00000E-003

Component Sizing Information, Coil:Cooling:Water, MAIN COOLING COIL 1, Design Inlet Air Humidity Ratio, 9.33031E-003

Component Sizing Information, Coil:Cooling:Water, MAIN COOLING COIL 1, Design Outlet Air Humidity Ratio, 8.00000E-003

Component Sizing Information, Coil:Heating:Water, MAIN HEATING COIL 1, Maximum Water Flow Rate [m3/s], 7.51969E-005

Component Sizing Information, Coil:Heating:Water, MAIN HEATING COIL 1, Design Coil Load [W], 3457.55329

Component Sizing Information, Coil:Heating:Water, MAIN HEATING COIL 1, U-Factor Times Area Value [W/K], 55.78870

Component Sizing Information, Fan:VariableVolume, SUPPLY FAN 1, Maximum Flow Rate [m3/s], 1.05725

Component Sizing Information, Fan:VariableVolume, SUPPLY FAN 1, Minimum Flow Rate [m3/s], 0.35326

Component Sizing Information, Controller:WaterCoil, OA CC CONTROLLER 1, Maximum Actuated Flow [m3/s], 1.14523E-003

Component Sizing Information, Controller:WaterCoil, OA HC CONTROLLER 1, Maximum Actuated Flow [m3/s], 1.48158E-004

Component Sizing Information, Controller:WaterCoil, CENTRAL COOLING COIL CONTROLLER 1, Maximum Actuated Flow [m3/s], 9.16309E-004

Component Sizing Information, Controller:WaterCoil, CENTRAL HEATING COIL CONTROLLER 1, Maximum Actuated Flow [m3/s], 7.51969E-005

Component Sizing Information, PlantLoop, HOT WATER LOOP, Maximum Loop Flow Rate [m3/s], 4.97138E-004

Component Sizing Information, PlantLoop, HOT WATER LOOP, Plant Loop Volume [m3], 0.55928

Component Sizing Information, PlantLoop, CHILLED WATER LOOP, Maximum Loop Flow Rate [m3/s], 2.06154E-003

Component Sizing Information, PlantLoop, CHILLED WATER LOOP, Plant Loop Volume [m3], 2.31923

Component Sizing Information, Chiller:Electric, CENTRAL CHILLER, Nominal Capacity [W], 34468.93699

Component Sizing Information, Chiller:Electric, CENTRAL CHILLER, Design Chilled Water Flow Rate [m3/s], 2.06154E-003

Component Sizing Information, Boiler:HotWater, CENTRAL BOILER, Nominal Capacity [W], 22858.42690

Component Sizing Information, Boiler:HotWater, CENTRAL BOILER, Design Water Flow Rate [m3/s], 4.97138E-004

Component Sizing Information, Pump:VariableSpeed, HW CIRC PUMP, Rated Flow Rate [m3/s], 4.97138E-004

Component Sizing Information, Pump:VariableSpeed, HW CIRC PUMP, Rated Power Consumption [W], 127.01247

Component Sizing Information, Pump:VariableSpeed, CW CIRC PUMP, Rated Flow Rate [m3/s], 2.06154E-003

Component Sizing Information, Pump:VariableSpeed, CW CIRC PUMP, Rated Power Consumption [W], 526.69672

Component Sizing Information, Humidifier:Steam:Electric, HUMIDIFIER 1, Rated Power [W], 9826.56303

Component Sizing Information, Humidifier:Steam:Gas, MAIN GAS HUMIDIFIER, Design Size Nominal Capacity Volume [m3/s], 1.05405E-002

Component Sizing Information, Humidifier:Steam:Gas, MAIN GAS HUMIDIFIER, Design Size Rated Power [W], 103710.42776

#### Field: <Component Sizing Information>

This field simply contains the words “Component Sizing”.

#### Field: Component Type

This field shows the component type (e.g. Pump:Variable Speed, Plant Loop, Fan:Simple:VariableVolume) being sized.

#### Field: Component Name

This field shows the name of the component.

#### Field: Input Field Description

This field shows the field description/variable with units.

#### Field: Value

This field shows the value of the sized component.

### Heating/Cooling Coil Capacity Information

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