

CLIMA + : DESCRIPTION AND INSTALLATION INSTRUCTIONS

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SDL LAB

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Installation instruction for CLIMAPLUS-V01

1. Copy CLIMAPLUS-V1 folder in "c:\\" directory
2. Copy EnergyPlusV8-1-0 in "c:\\" directory

Run CLIMA +

Open "c:\CLIMAPLUS-V1" folder

Run the '.bat' file "runClimateAnalyzerV1-0.bat"

Sample epw files are included in the sub-folder "WeatherData"

Folders in CLIMA + Package

Total size: 1.94 GB

Thermal models: 162 MB: Six residential single zones and Six office single zones

Anaconda 2 to run python, matplotlib and TK-inter: 1.64 GB

EnergyPlusV8-1-0: 143 MB

Thermal Model Output Parameters

The following outputs shall be included in the ArchSim (EnergyPlus) simulation thermal model.

After running your simulation, you can load the results '.csv' file in C L I M A + by navigating to the simulation folder.

Site Outdoor Air Drybulb Temperature

Environment:Site Outdoor Air Drybulb Temperature [C] (Hourly)

Site Outdoor Air Relative Humidity

Environment:Site Outdoor Air Relative Humidity [%] (Hourly)

Site Wind Speed

Environment:Site Wind Speed [m/s] (Hourly)

Zone Operative Temperature

UNZ_0:Zone Operative Temperature [C] (Hourly)

Zone Air Relative Humidity

UNZ_0:Zone Air Relative Humidity [%] (Hourly)

Zone Thermal Comfort ASHRAE 55 Adaptive Model Running Average Outdoor Air Temperature

PEOPLE UNZ_0:Zone Thermal Comfort ASHRAE 55 Adaptive Model Running Average Outdoor Air Temperature [C] (Hourly)