



# Block Load

## What is Block Load?

Carrier's Block Load program is a powerful, fully featured HVAC load estimating program suitable for commercial buildings of any size.

## Who Can Benefit From Block Load?

Block Load is a tool for consulting engineers, design/build contractors, HVAC contractors, facility engineers and other professionals involved in the design, analysis or installation of commercial building HVAC systems.

## How Does It Work?

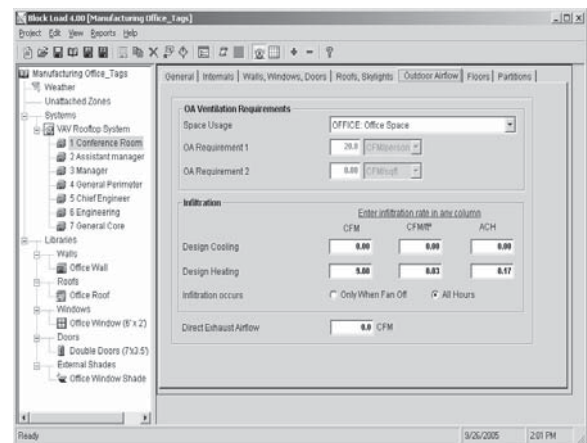
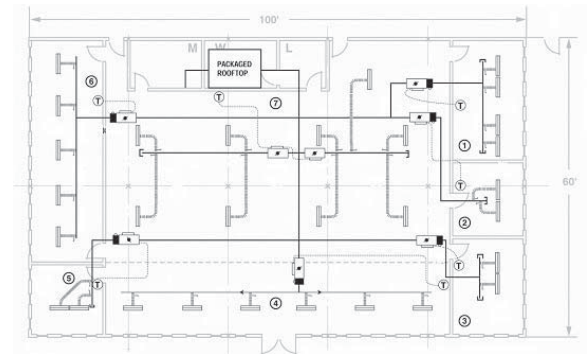
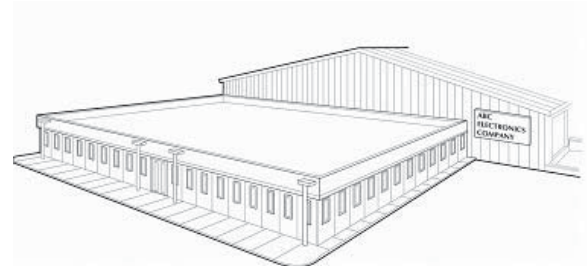
Block Load asks you to supply basic information about your building, and then provides you with all the sizing and load information you need to analyze and design the HVAC system and select all of the air conditioning equipment.

## Load Calculation Features

- Uses ASHRAE procedures for Transfer Function cooling load calculations, design heating load calculations, solar radiation calculations.
- Calculates room and zone loads 24 hours a day for design days in all 12 months.
- Identifies peak room, zone, and coil loads.
- Suitable for sizing systems involving central station air handlers, packaged rooftop units, self-contained units, split systems, DX fan coils, hydronic fan coils and water source heat pumps.
- Sizing data is provided for central cooling and heating coils, preheat coils, fans, terminal reheat coils, CAV and VAV air terminals, fan coils and terminal heat pumps.
- Analysis of ventilation requirements using procedure described in ASHRAE Standard 62-2001.
- Provides a database of design weather data for over 700 cities worldwide.

## Report Features

- Provides many well-formatted reports listing calculation results as well as input data
- Key system sizing report summarizes data needed for equipment selection on 1-2 pages
- Key ventilation report summarizes requirements for each zone in the system
- Additional reports provide zone and system component loads, hourly zone and system load profiles, detailed hourly psychrometric data and a graph of the psychrometric process
- Provides features for copy-and-paste from displayed reports into other documents.
- Provides features for saving reports as files in RTF-, PDF- or HTML- format documents.
- Advanced output reports available to help in the diagnosis of load results and system behavior.



Computer Requirements: Operating System: Windows 98, NT, ME, or 2000 compatible.  
RAM: 64 MB minimum. Video: VGA w/ 800 x 600 resolution and 256 colors.

