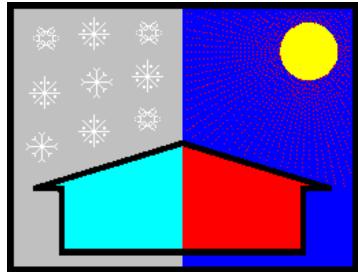
Elite Software RHVAC - New Online Version!

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RHVAC OVERVIEW

The Elite Software RHVAC Program is available in both an online and desktop version. The desktop version has a one time fee and works on all Windows computers. The online version is subscription based and works on all computers, tablets and smartphones with internet connection. The online and desktop versions can import and export project files between them. Both versions calculate peak heating and cooling loads for residential buildings and some light commercial applications in accordance with ACCA Manual J, D, and S. RHVAC includes a complete ACCA Manual D duct sizing capability and a complete Manual S equipment selection. Data can be manually entered or automatically taken from a floor plan drawn with the optional Drawing Board program (available only within desktop RHVAC). The Heat Transfer Multipliers (HTM values) for all the walls, windows, doors, and roofs listed in Manual J are automatically looked up by the software as needed. Additional construction materials are easily added as well. Design weather data for over 2,000 cities is built into the software. In addition, the user can revise the existing weather data and add more data as desired. Drag and drop zoning control is provided through the powerful and graphic Project Explorer feature of RHVAC. Zoning cfm adjustments are automatically handled by the program as needed. Equipment can be selected from the AHRI databases that are included with RHVAC. Comprehensive reports list the general project data, equipment information, a sales proposal, total building load summary, detailed room load calculations, and a room load summary for each zone and system complete with heating and cooling cfm values. Color graphic bar graphs and pie charts can be printed as well. Other outstanding features include glass shading, ventilation air, equipment loads, default room data, complete rotation and flip plan rotation of the entire building, and the ability to share data with Bill of Materials, Energy Audit, Proposal Maker, EnergyPro, Energy Gauge, REM/Rate, and ResCheck.

SYSTEM REQUIREMENTS

RHVAC Desktop will run on any computer with Windows XP or higher, including Windows 10. RHVAC Online works on smartphones, tablets, and computers with internet access.

RHVAC FEATURES

- ACCA Approved Manual J, D, and S Calculations
- Both Desktop and Online Versions Available
- Rhvac Online Works on all Smartphones, Tablets (including iPads), and Computers with internet access
- Low Cost Separate Online Versions for J, D, and S Calcs
- Calculates Peak Heating and Cooling Loads and Duct Sizes
- Provides ACCA Manual S Equipment Selection Report
- Links to AHRI Web Site for AHRI Reference # Certification
- Creates Basic Sales Proposals and Links to **Proposal Maker**
- Calculates from Floor Plans created by Drawing Board
- Links with Graphic Manual D Ductsize and Bill of Materials
- Computes Room by Room, Zone, System, and Building
- Links to EnergyPro, ResCheck, Energy Gauge, & REM/Rate
- Comprehensive User Manual and Tutorial Provided
- No Copy Protection Hassles No Annual Fee for Desktop!

NEW Features in RHVAC Version 9

RHVAC desktop version 9 and the new RHVAC online version include all the above features plus the new features below.

- Manual S Equipment Selection
- Manual D Ductsize window allows you to enter all duct sections and fittings for calculating optimal duct sizes and total system pressure losses
- Zoning Analysis with new hourly room net gain report
- EnergyPro Analysis software link
- ACCA Design Review Form for quality installations
- New Equipment Load Selections Including Pool and Spas
- Sloped Ceiling Area Calculator
- EnergyStar Report

CALCULATION METHOD

Elite Software is an ACCA Technical Partner. The RHVAC program is ACCA (Air Conditioning Contractors of America) approved and follows the procedures described in the ACCA Manual J 8th (MJ8) edition version 2.5 and the most current ACCA Manual D and ACCA Manual S.

PROGRAM INPUT

Both the desktop and online versions of RHVAC allow data to be entered manually using simple "fill in the blank" screens. RHVAC desktop optionally allows data to come from a drawing created with Elite Software's optional **Drawing Board** program. All input data is checked as it is entered. Two types of data are requested: general project data and specific room data. The general project data includes the summer and winter design conditions, the outside air requirements, exterior shading data, the project name, the client name, and the designer name. The room input data includes specific information on the roof, walls, doors, and windows as well as general information on the room name, the number of occupants, and the equipment, lighting, and appliance loads. Help is provided on all inputs.

DEMONSTRATION VERSION

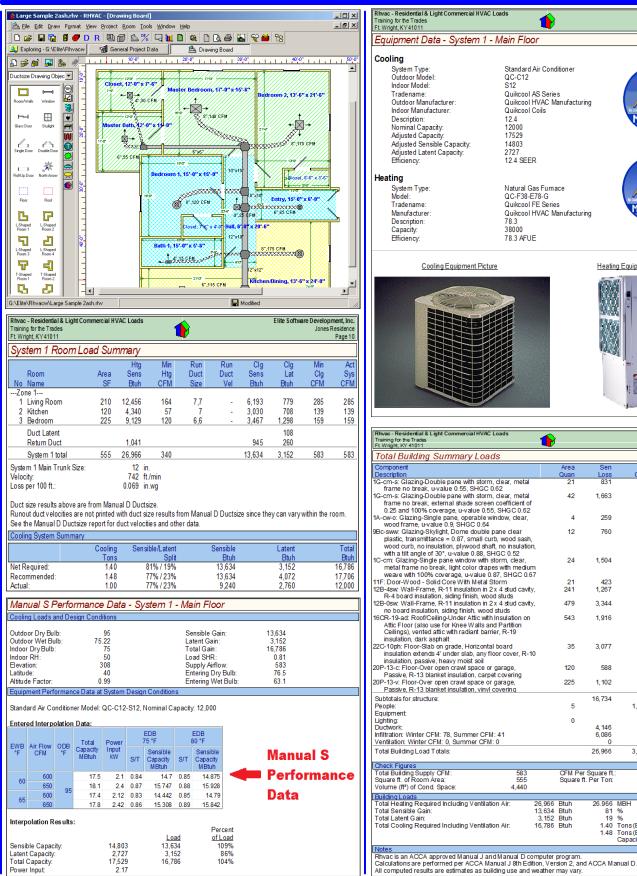
To evaluate RHVAC desktop you can *download free of charge* a functional demo. You can also sign up for a trial account for RHVAC Online at **www.elitesoft.com**

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Rhvac - Residential & Light Commercial HVAC Loads Elite Software Developmen					
Training for the Trades Ft Wright, KY 41011		Jones Reside Pag			
Total Building Summary Loads					
Component	Area	Sen	Lat	Sen	Tot
Description	Quan	Loss	Gain	Gain	Ga
1G-cm-s: Glazing-Double pane with storm, clear, metal	21	831	0	483	48
frame no break, u-value 0.55, SHGC 0.62 1G-cm-s: Glazing-Double pane with storm, clear, metal	42	1.663	0	1.171	1.17
frame no break, external shade screen coefficient of	42	1,003	0	1, 17 1	1, 11
0.25 and 100% coverage, u-value 0.55, SHGC 0.62					
1A-cw-o: Glazing-Single pane, operable window, clear,	4	259	0	177	17
wood frame, u-value 0.9, SHGC 0.64					
9Bc-sww. Glazing-Skylight, Dome double pane clear	12	760	0	1,707	1,70
plastic, transmittance = 0.87, small curb, wood sash,					
wood curb, no insulation, plywood shaft, no insulation, with a tilt angle of 30°, u-value 0.88, SHGC 0.52					
1C-cm: Glazing-Single pane window with storm, clear,	24	1.504	0	644	64
metal frame no break, light color drapes with medium		1,001	•		
weave with 100% coverage, u-value 0.87, SHGC 0.67					
11F: Door-Wood - Solid Core With Metal Storm	21	423	0	182	18
12B-4sw. Wall-Frame, R-11 insulation in 2 x 4 stud cavity,	241	1,267	0	431	4
R-4 board insulation, siding finish, wood studs 12B-0sw: Wall-Frame, R-11 insulation in 2 x 4 stud cavity,	479	3.344	0	1.352	1.35
no board insulation, siding finish, wood studs	4/3	3,344	0	1,302	1,0
16CR-19-ad: Roof/Ceiling-Under Attic with Insulation on	543	1.916	0	1, 198	1.19
Attic Floor (also use for Knee Walls and Partition					
Ceilings), vented attic with radiant barrier, R-19					
insulation, dark asphalt					
22C-10ph: Floor-Slab on grade, Horizontal board insulation extends 4' under slab, any floor cover, R-10	35	3,077	0	0	
insulation, passive, heavy moist soil					
20P-13-c: Floor-Over open crawl space or garage,	120	588	0	122	12
Passive, R-13 blanket insulation, carpet covering					
20P-13-v: Floor-Over open crawl space or garage,	225	1,102	0	230	23
Passive, R-13 blanket insulation, vinyl covering					
Subtotals for structure:	_	16,734	0	7,697	7,69
People:	5		1,000 800	1, 150 1, 500	2,1
Equipment: Lighting:	0		800	1,500	2,31
Ductwork:	•	4.146	367	2.401	2.76
Infiltration: Winter CFM: 78, Summer CFM: 41		6,086	985	886	1,87
Ventilation: Winter CFM: 0, Summer CFM: 0		0	0	0	
Total Building Load Totals:		26,966	3,152	13,634	16,7
Check Figures					
Total Building Supply CFM: 583		er Square ft.			1.051
Square ft. of Room Area: 555 Volume (ft ³) of Cond. Space: 4.440	Square	ft. Per Ton:			376
Building Loads Total Heating Required Including Ventilation Air: 2	26.966 Btuh	26.966	MDU		
	20,900 Blun 13.634 Btuh	20.900			
Total Latent Gain:	3.152 Btuh	19			
	16,786 Btuh	1.40	Tons (Based		
•		1.48	Tons (Based	On 77% Sen	sible