

HeatCAD® 2019 is a drawing-based software for the fast and accurate calculation of residential heating and cooling loads. The **Standard Edition** provides ASHRAE heat loss calculations and CSA heating and cooling load calculations (residential). The **MJ8 Edition** also provides ACCA®-Approved Manual J® calculations for residential heating and cooling loads. HeatCAD delivers advanced features including integrated load calculations, automatic detection of unheated surfaces, and 3D CAD views.

Download the free 30-day trial at:

www.HeatCAD.com/Downloads

Professional Edition	<ul style="list-style-type: none"> ▪ Floorplan drawing and importing (PDF, AutoCAD, JPG) ▪ Automated heat loss calculations as you draw ▪ ASHRAE residential heat loss calculations ▪ CSA residential heating / cooling load calculations ▪ Files compatible with LoopCAD® for radiant system designs ▪ 3D drawing views
MJ8 Edition	<ul style="list-style-type: none"> ▪ All features in Professional Edition, <i>plus...</i> ▪ ACCA-Approved Manual J (8th Edition) residential heating and cooling load calculations

General

		Pro	MJ8
1	Perform room-by-room residential heating and cooling* load calculations as you draw	■	■
2	Perform ACCA-Approved Manual J8 residential heating and cooling load calculations		■
3	Easy to learn - previous CAD experience not required	■	■
4	Stand-alone program: AutoCAD ¹ is not required	■	■
5	Enhanced New Project Wizard makes project setup easier than ever	■	■
6	Quickly create new floor plan drawings or import existing drawings (PDF ² , AutoCAD, JPG)	■	■
7	3D Views automatically generated as you draw in 2D	■	■
8	Project Wizard helps you set up new projects quickly	■	■
9	Custom Tables can be added to drawings for display of key design data	■	■
10	Support for both IP (US) units and SI (Metric) units	■	■
11	Drawings and design reports can be printed or exported to PDF files	■	■
12	NEW Report Packages lets you assemble multiple reports into a single PDF	■	■
13	Equipment Report to assist in documenting selected HVAC equipment	■	■
14	Export to Excel features for all key design data and materials lists	■	■
15	Video Tutorial gets you up and running fast	■	■
16	Online Help file and PDF User's Guide	■	■
17	Free program updates and technical support with an active subscription	■	■

* Cooling loads available with CSA or Manual J calculation methods only.

Floorplan Drawing

		Pro	MJ8
18	Importing of AutoCAD, PDF and Scanned Drawing files for use as a drawing template	■	■
19	Enhanced wall tools include Curve Wall and Wall Bump-Out	■	■
20	Easy drawing of rooms with predefined shapes or with Freehand draw tools	■	■
21	Draw in-room objects like stairs and cabinets	■	■
22	Smart dimension labels automatically display dimensions and allow in-place editing	■	■

		Pro	MJ8
23	Snap to outline of existing floorplan drawing ensures proper vertical alignment	■	■
24	Multi-selection of objects for fast setting of common properties	■	■
25	3D view automatically generated, allowing easy verification of sizes for windows, etc.	■	■
26	Multiple floorplan drawings accessible via Excel-style tabs	■	■
27	Advanced PDF Scaling option for drawings that do not display dimensions	■	■
28	Edit positioning of imported drawings	■	■
29	Mirror Drawing function allows flipping of entire floorplan drawing along any axis	■	■
30	Enhanced text objects and labels, including leader arrows	■	■
31	NEW Notes Library lets you save and reuse frequently used notes	■	■

Load Calculations

		Pro	MJ8
32	ASHRAE 2017 residential heat loss calculations performed as you draw	■	■
33	CSA F280-12 (R2017) residential heating and cooling load calculations	■	■
34	ACCA-Approved Manual J calculations for residential heating and cooling loads (8 th Edition Version 2.5)		■
35	Manual J advanced calculations support		■
36	Manual J block and room load calculations		■
37	Manual J AED (Adequate Exposure Diversity) calculations and graphs		■
38	Manual J Peak Load Procedure option		■
39	Manual J October cooling load evaluation automatically performed		■
40	Manual J estimated room CFM		■
41	Manual J calculations for Infiltration for Maximum ACH50 values		■
42	Manual J Review step to assist with project analysis and review		■
43	Manual J approved report formats		■
44	Create custom climate locations and save for reuse on other projects	■	■
45	Ability to specify rooms heated by radiant, baseboard, forced air or other heat	■	■
46	Automatic calculation of required supplemental heat for radiant heated rooms	■	■
47	R-value lists for all major structural components	■	■
48	Custom Construction Library to save your custom construction items for re-use	■	■
49	Input of custom R-values or U-values	■	■
50	Support for cold partitions with editing of cold side temperatures	■	■
51	Optional manual input of heat loads on a room basis	■	■
52	Project Wizard guides you through the setup of construction defaults for your project	■	■
53	Project Templates to save your common project settings for re-use	■	■
54	Air Flow (CFM) calculations in CSA mode	■	■
55	Graphical views of calculated unit heat load data via color shading of rooms	■	■
56	Spreadsheet style view of data provides easy review and analysis	■	■
57	Heat loss summary and detailed report options	■	■