

LEARNING MANUAL J 8TH EDITION USING ELITE SOFTWARE

Manual j 8th edition heat load calculation is the only accurate method of determining the correct heating and cooling capacities for residential and light commercial buildings. Manual J is the first of 4 hvac design modules performed, followed by Manual D duct design, Manual T room air device selection procedure, and manual S equipment selection procedure. Elite Software combines all of the hvac design manuals into one simple to use Cad program – it computes the complicated mathematics that make up the Manual J and Manual D design Modules. This software program uses CAD smart objects for each part of the building envelope and each part of the duct system, accounting for every item that makes up a complete heat load for the most precise results, it can be customized for your particular look and your particular building material make up. I have used Elite Software for over 20 years, producing about 40 thousand hvac designs for buildings throughout Florida – there are other software programs available – but I have not seen one easier to use with perfect results.

So if you are already familiar with the hvac design manual procedures, you realize that these modules can no longer be performed the old way, by hand – so you will need some computer skills, great software, and be willing to learn this specialized HVAC CAD software. Using the software frequently will improve your skill level quickly allowing you to perform up to 10 hvac system designs in a single day. Your designs will be 4D within the software program – the building geometry uses 3 dimensions (length, width, height) and the 4th dimension (as I call it) relates to the time sequence that the smart figures are created within the CAD drawing board. The trick is to create these smart objects in an order of time that does not require layer modifications, this will save much time.

My best advice to a new user learning Elite Software – GET SOME HELP! Recently I spoke with a legend named John Walsh, he has been performing Manual J since the 1950's – this means he is familiar with 6th, 7th, and 8th edition. His vast knowledge of manual J makes him a perfect person to train anyone willing to learn heat load calculation software. John Walsh and Jobie DeVinney-Walsh have been helping the hvac industry by producing training guides that are easy to read and understand, I recently reviewed “Now That’s a Plan”, “Hit the Load J”, “Basic Duct Principles”, and “CHVAC 101”. Each of the tools reviewed had some information that was even new to me, I have been designing hvac for over 25 years and learned a few more time saving tricks in Johns training guide. A lot of the info in the training guides took me many hours to learn on my own – I wish I had these manuals by my side when I was learning manual J! I do recommend these manuals to anyone looking to learn the Elite Software and use it correctly.

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