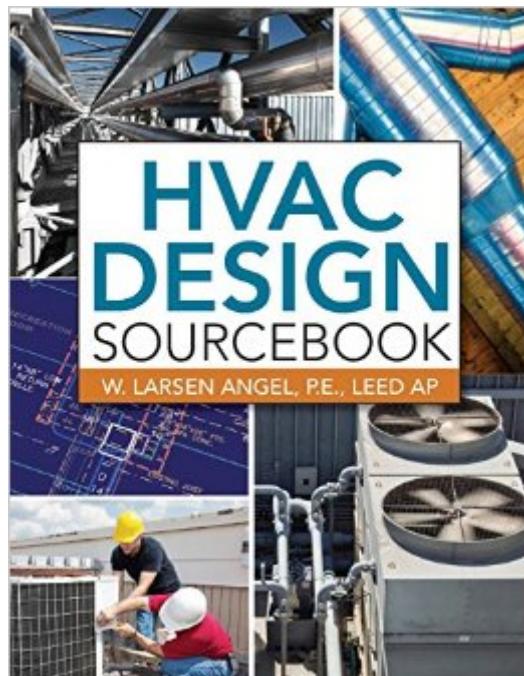


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# HVAC Design Sourcebook



## Synopsis

THE DEFINITIVE GUIDE TO HVAC DESIGN This practical manual describes the HVAC system design process step by step using photographs, drawings, and a discussion of pertinent design considerations for different types of HVAC components and systems. Photographs of HVAC components in their installed condition illustrate actual size and proper configuration. Graphical representations of the components as they should appear on construction drawings are also included. Learn how to design HVAC systems accurately and efficiently from this detailed resource.

HVAC DESIGN SOURCEBOOK COVERS: The design process HVAC load calculations Codes and standards Coordination with other design disciplines Piping, valves, and specialties Central plant equipment and design Air system equipment and design Piping and ductwork distribution systems Terminal equipment Noise and vibration control Automatic temperature controls Construction drawings

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## Customer Reviews

This is a great book.I must say i knew very little about HVAC, and with this book i now have a little more insight of the world of HVAC.I would like the book to have a bit more math in it, but then again it is a very practical book and probably it's best not to have that much math... Not really sure on this, as i haven't work, until so far, in the HVAC industry - i hope to work one day, though (Mechanical

Engineer here). It states some few equations as if they are universal truths and does not explain where they've came from. One may want to know where they've came from, and in this book he won't find the answer to it. This may or may not be a negative point, depending on the reader; personally, I would rather have those equations explained, but it is a personal matter. I think that despite this point, the book still deserves 5 stars, if not 6. If you are interested on learning more about how to estimate HVAC loads, this is not the right book for you. The book is not heavy on math by any means and so you won't find mass balances in it neither energy balances (apart from one or two examples, in which the author uses the relation  $q = m \cdot cp \cdot (\Delta T)$ ). Evolutions of the air within AHU and the different process the air may go to are also not explained (it assumes you are already familiarized with them from previous thermodynamic courses or so).

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