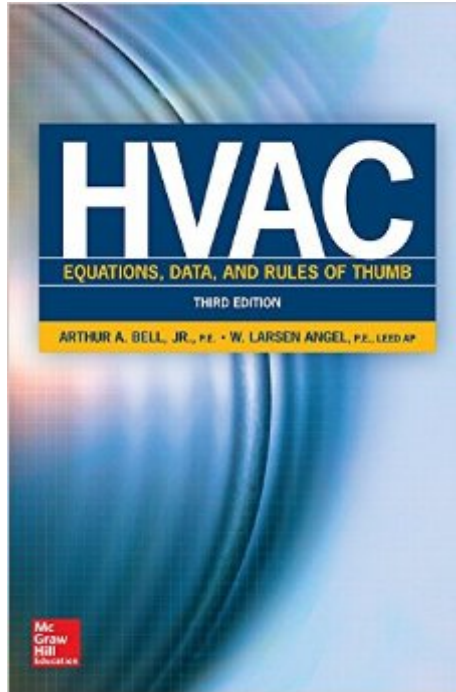


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# HVAC Equations, Data, And Rules Of Thumb, Third Edition



## Synopsis

• Tricks of the Trade • For State-of-the-Art HVAC Design on Construction Jobs of Any Size! This fully revised, industry-standard handbook presents a wealth of HVAC design information encompassing all types of facilities • from offices and hospitals to commercial spaces and computer rooms. Written in an outline format for ease of use, this practical reference offers hundreds of field-tested equations and rules of thumb and features all-new coverage of the latest building components and materials. HVAC Equations, Data, and Rules of Thumb, Third Edition, reflects all the latest changes to the codes and standards used in the industry • including ASHRAE, ICC, NEC, and NFPA • and clearly shows how to interpret and put them to use. This thoroughly updated third edition covers:

- Definitions
- Equations
- Rules of Thumb for Cooling, Heating, Infiltration, Ventilation, Humidification, • People/Occupancy, Lighting, and Appliance/Equipment
- Cooling and Heating Load Factors
- Design Conditions and Energy Conservation
- HVAC System Selection Criteria
- Air Distribution Systems
- Piping Systems, Including Plastic Piping
- Central Plant Equipment (Air-Handling Units, Chillers, Boilers, Cooling Towers, Heat Exchangers)
- Sustainability Guidelines
- New Technologies for HVAC
- Noise and Vibration Control
- Architectural, Structural, and Electrical Considerations
- Properties of Air and Water
- Auxiliary Equipment (Fans, Pumps, Motors, Controllers, Variable-Frequency Drives, Filters, Insulation, Fire-Stopping)
- Automatic Temperature Controls/Building Automation Systems
- Building Construction Business Fundamentals
- Architectural, Structural, and Electrical Information
- Conversion Factors
- Designer's Checklist
- Professional Societies and Trade Organizations
- References and Design Manuals
- Cleanroom Criteria and Standards

## Book Information

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## Customer Reviews

This is a pretty handy reference book for field work. It has a little more than 20 pages of equations, and the rest is generally data, and ballpark "rules of thumb." If you own ASHRAE books, it covers most of everything that's in here. If you dont, it's a less expensive alternative for those books, which seems to be the idea behind it. I think it's a little overpriced, but it's definitely useful. I'm glad I purchased it. Very useful if you're in the HVAC world as either an installer, or even a field tech. If you're a mechanical engineer, you probably already have this material in other books.

Great book. Could contain more equations and rules of thumb though.

no bends etc perfect condition

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