



AIR CONDITIONING TECHNOLGY

Resource List

July 2007

AIR CONDITIONING TECHNOLOGY
CGTC Library Resources
July 2007

Print Books:

3000 Questions & Answers for HVAC/R Licensing Examinations / J. Dundas.
TH 7015 .D86 1989

Air Conditioning and Heating Reference Notebook : A Quick Reference for Contractors and Service and Application Engineers / D. Swenson.
Ref TH 7687 .S82 1995

Air Conditioning and Mechanical Trades : Preparing for the Contractor's License Examination / J. Gladstone.
TH 7687.5 .G55 1989

Air Conditioning and Refrigeration Repair / R. Fischer, K. Chernoff.
TP 492.7 .F57 1988

Air Conditioning Cutter's Ready Reference / R. Morris.
TS 250 .M618 1971

Air Conditioning Systems : Principles, Equipment, and Service / J. Moravek.
TH 7687 .A4833 2001

Air Conditioning Testing, Adjusting, Balancing : A Field Practice Manual / J. Gladstone.
TH 7687.7 .G57 1981

Air Conditioning the Cool and E-Z Way / C. Gavel.
TH 7687 .G85 2001

ASHRAE Handbook : Fundamentals / American Society of Heating, Refrigeration and Air Conditioning Engineers
TH 7201 .A82 2001

ASHRAE Handbook : Heating, Ventilating, and Air Conditioning Applications.
TH 7005 .A82 1999

ASHRAE Handbook : Heating, Ventilating, and Air Conditioning Systems & Equipment.
TH 7005 .A825 2000

ASHRAE Handbook : Refrigeration.
TP 490 .A75 2002

ASHRAE Standard : Methods of Testing for Rating Heat-Operated Unitary Air Conditioning and Heat-Pump Equipment.

TH 7005 .A74 2002

Basic Refrigeration & Charging Procedures / J. Tomczyk.

TP 492 .T67 2003

Basic Refrigeration : Principles, Practice, Operation : A Simplified Presentation of the Fundamentals of Refrigeration. / G. King.

TP 492 .K5 1986

Challenge of Recycling Refrigerants / K. Manz.

TP 492.7 .M343 1995

Code Check HVAC : A Field Guide to Heating and Cooling / R. Kardon.

TH 7466.5 .K38 2002

Commercial Refrigeration for Air Conditioning Technicians, 2005 ed. / D. Wirz.

TP 496 .W57 2006

Control Systems for Heating, Ventilating, and Air Conditioning / R. Haines.

TH 7466.5 .H34 2003

Doolin's Trouble Shooters Bible : Air Conditioning, Refrigeration, Heat Pumps, Heating.

TH 7687.7 .D66 1989

Electricity and Controls for HVAC/R / S. Herman.

TK 4035 .A35 H47 2006

Electricity, Electronics, and Control Systems for HVAC / T. Kissell.

TK 4035 .A35 K568 2003

Electricity for Air Conditioning and Refrigeration Technicians / E. Mahoney.

TK 4035 .A35 M33 2000

Electricity for Refrigeration, Heating, and Air Conditioning / R. Smith.

TK 153 .S57 2003

Electronic HVAC controls simplified / S. Aglow.

TH 7226 .A34 1988

EPA Certification Exam Preparatory Manual : For Air Conditioning & Refrigeration Technicians / ESCO Institute.

TH 7687.5 .E6 2000

Faber and Kell's Heating and Air Conditioning of Buildings / D. Oughton.
TH 7222 .O44 2002

Fine Tuning Air Conditioning and Refrigeration Systems / B. Langley.
TH 7687.7 .L372 2002

Fine Tuning Air Conditioning Systems and Heat Pumps / L. Miles.
TH 7687.7 .M55 1995

First Century of Air Conditioning / H. Will.
TH 7215 .F78 1999

Four R's : Recovery, Recycling, Reclaiming, Regulation / R. Jazwin.
TD 887.F67 J38 1992

Fundamentals of Air Conditioning Systems / B. Langley.
TH 7687.7 .L373 2000

Fundamentals of Natural Gas Cooling / R. Sweetser.
TP 492.7 .S87 1996

Guide to Natural Gas Cooling / American Gas Association.
TH 7687.85 .A44 1994

Guide to the HVAC/R Certification and Competency Tests / R. Featherstone.
TH 7015 .F43 2001

Handbook of Air Conditioning and Refrigeration / S. Wang.
TH 7687 .W27 2000

Handbook of Air Conditioning, Heating, and Ventilating / E. Stamper.
TH 7687 .S76 1979

Handbook of Heating, Ventilation, and Air Conditioning / J. Kreider.
TH 7225 .K74 2001

Handbook of HVAC Design / N. Grimm.
TH 7011 .H36 1990

Heat & Cold : Mastering the Great Indoors / B. Donaldson.
TH 7215 .D66 1994

Heat Pump Technology / B. Langley.
TJ 262 .L36 2002

Heat Pumps : Theory and Service / L. Miles.
TH 7638 .M55 1994

Heating and Air Conditioning / A. Carson.
TH 7222 .C37 2000

Heating and Cooling / by the editors of Time-Life Books.
TH 7224 .H43 1995

Heating and Cooling Essentials / J. Killinger.
TH 7012 .K55 2003

Heating Handbook / C. Powers.
TH 7225 .P63 1999

Heating Technology : Principles, Equipment, and Application / D. Swenson.
TH 7222 .S94 1983

Heating, Ventilating, and Air Conditioning : Analysis and Design / F. McQuiston.
TH 7222 .M38 1988

Heating, Ventilating, and Air Conditioning Fundamentals / R. Havrella.
TH 7223 .H37 1995

Heating, Ventilation and Air Conditioning (HVAC) Handbook, 2007 ed. / A. Vedavarz
[on order July 2007]

How to Design Heating-Cooling Comfort Systems / J. Olivieri.
TH 7222 .O4 1987

How to Solve Your Refrigeration and Air Conditioning Service Problems / C. Geist.
TP 492.7 .G37 1986

HPAC&V Contractor's Reference Book and License Review / J. Gladstone.
TH 7222 .G53 1991

Humidity Control : A Humidification Guide for Residential, Commercial, and Industrial
Applications / I. Stepnich.
TH 7687.8 .S74 1988

HVAC Engineer's Handbook / F. Porges.
TH 7225 .P584 2001

HVAC : Equations, Data, and Rules of Thumb / A. Bell.
TH 7225 .B45 2000

HVAC Field Manual / R. Parmley.
TH 7225 .H85 1988

HVAC Fundamentals, 2007 ed. / S. Sugerman.
TH 7345 .S795 2007

HVAC Heating, Ventilating, and Air Conditioning, 2004 ed. / S. Swensen.
TH 7012 .S94 2004

HVAC Instant Answers / P. Curtiss.
TH 7011 .C87 2002

HVAC Retrofits : Energy Savings Made Easy / H. Wendes.
TH 7335 .W46 1994

HVAC Systems and Components Handbook / N. Grimm.
Ref TH 7011 .H83 1998

HVAC Systems Evaluation : Comparing Systems, Solving Problems, Efficiency & Maintenance / H. Colen.
TH 7015 .C65 1990

HVAC Systems : Operation, Maintenance, & Optimization / S. Monger
TH 7015 .M65 1992

HVAC/R Professional's Field Guide to Heat Pump Systems & Service / R. Jazwin.
TH 7638 .J39 1990

HVAC/R Professional's Field Guide to Medium and High Efficiency Gas Furnaces /
TH 7466.G3 J38 2003

Hydronic System Design and Operation : A Guide to Heating and Cooling with Water /
E. Hansen.
TH 7467 .H36 1985

Hydronics Technology / J. Duncan.
TH 7467 .D86 1995

Hydronics : The Art of Cooling and Heating with Water / G. Clark.
TH 7687 .C53 1986

Industrial Refrigeration / W. Stoecker.
TP 492 .S788 1988

Insulation Handbook / R. Bynum.
TH 1715 .B96 2001

Journeyman General Mechanical Examination : An Illustrated Review with Questions and Answers / by J. Gladstone.

TJ 151 .G53 1988

Licensed Operator's Key to Refrigeration / W. Cooper.

TP 492 .C68

Managing People in the HVAC/R Industry / H. McKew.

HD 9683 .A2 M35 1995

Mechanical Cost Data / RS Means.

TH 435 .M435 2003

Mechanical Estimating Guidebook.

TH 7687.5 .G556 1995

Mechanical Estimating Guidebook for Building Construction / J. Gladstone.

TH 7687 .G55 1987

Modern Refrigeration and Air Conditioning / A. Althouse.

TP 492 .A43 2000

Modern Soldering & Brazing Techniques / E. Lieberman.

TT 267 .L54 1988

National Plumbing & HVAC Estimator.

TH 6235 .N38 2003

Practical Drafting for the HVAC Trades / J. Traister.

TH 7331 .T7 1984

Principles and Applications of Direct Digital Controls : Understanding and Implementing DDC Technology in Refrigeration Applications / I. Stepnich.

TP 492.7 .S78 1989

Principles of Air Conditioning / P. Lang.

TH 7687 .L29 1995

Principles of Refrigeration / C. Olivo.

TP 492 .O55 1990

Radiant Heating and Cooling Handbook / R. Watson.

TJ 260 .W335 2002

Refrigerant Management : The Recovery, Recycling, & Reclaiming of CFC's / B. Langley.
TD 887.C47 L36 1994

Refrigerant Transition and Recovery Certification : Program Manual for HVAC/R Technicians / Delta-T Solutions, Inc.
TP 492.7 D58 2001

Refrigeration and Air Conditioning : An Introduction to HVAC/R / L. Jeffus.
TP 492 .R377 2004

Refrigeration and Air Conditioning Technology, 2005 ed. / W. Whitman.
TP 492 .W62 2005

Refrigeration Fundamentals : A Workbook Approach / W. Gorman.
TP 492 .G66 1991

Refrigeration, Home and Commercial / E. Anderson.
TP 492 .A583 1990

Refrigeration Licenses Unlimited / C. Carrico.
TP 492 .C35 1992

Refrigeration Principles and Systems : An Energy Approach / E. Pita.
TP 492 .P48 1991

Service Agreement Dynamics : How to Design, Price, and Successfully Implement HVAC/R Service Agreement Programs / S. Howard.
HD 9683 .A2 H68 1989

Servicing Commercial Refrigeration Systems / R. Schneider.
TP 492.7 .S36 1991

Starting in Heating and Air Conditioning Service / C. Carrico.
TH 7012 .S73 1992

Ventilation of Buildings / H. Awbi.
TH 7653 .A92 2003

AIR CONDITIONING TECHNOLOGY
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Print Periodical Subscriptions:

[Air Conditioning, Heating, & Refrigeration News](#)

ISSN 0002-2276

[HPAC Engineering : Heating, Piping & Air Conditioning](#)

ISSN 1527-4055

[Southern PHC Magazine \(Plumbing, Heating & Cooling\)](#)

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Full Text Journals Online via [GALILEO](#):

<u>Journal Title</u>	<u>GALILEO Database</u>
<u>Air Conditioning, Heating, & Refrigeration News</u> ISSN 0002-2276	EBSCOhost Business Source ProQuest Career & Technical
<u>ASHRAE Journal</u> ISSN 0001-2491	EBSCOhost Academic Search Premier
<u>Contracting Business (HVACR systems)</u> ISSN 0279-4071	ProQuest Career & Technical
<u>HPAC Engineering : Heating, Piping & Air Conditioning</u> ISSN 1527-4055	ProQuest Career & Tech
<u>Heating-Plumbing, Air Conditioning</u> ISSN 0017-9418	ProQuest ABI/Inform Complete
<u>HVAC & R Research</u> ISSN 1078-9669	ProQuest Career & Technical
<u>Plumbing and Mechanical</u> ISSN 8750-6041	ProQuest Career & Technical
<u>Process Cooling and Equipment</u> ISSN 1525-9498	EBSCOhost Business Source Premier
<u>Reeves Journal (Plumbing Heating Cooling)</u> ISSN 0048-7066	EBSCOhost Business Source Premier ProQuest ABI/Inform Complete

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Electronic Books (eBooks) via [NetLibrary](#):

Audel HVAC Fundamentals / J. Brumbaugh.
Indianapolis, Ind. John Wiley & Sons, Inc. (US), 2004.

Careers in Plumbing, Heating, and Cooling / E. Lytle.
New York Rosen Publishing Group, 1995.

Chemical Treatment for Cooling Water / A. Mathie.
Lilburn, GA : Upper Saddle River, NJ The Fairmont Press, 1998.

Combined Heating, Cooling & Power Handbook : Technologies & Applications : an
Integrated Approach to Energy Resource Optimization / N. Petchers.
Lilburn, GA, New York The Fairmont Press, 2003.

Damp Indoor Spaces and Health /
Washington, DC National Academies Press, 2004.

Electrical Applications for Air Conditioning & Refrigeration Systems / B. Langley.
Lilburn, GA : Upper Saddle River, NJ The Fairmont Press, 2000.

Electrician's Instant Answers / D. Tuck.
New York McGraw-Hill Professional, 2003.

Evaporative Air Conditioning : Applications for Environmentally Friendly Cooling / Bom.
Washington, D.C. World Bank, 1999.

Guide to Energy Management / B. Capehart.
Lilburn, GA, New York The Fairmont Press, 2002.

HVAC Fundamentals / S. Sugarman.
Lilburn, GA The Fairmont Press, 2004.

HVAC Inspection Notes : Inspecting Commercial, Industrial, and Residential
Construction / G. Taylor.
New York McGraw-Hill Professional, 2005.

HVAC Instant Answers / P. Curtiss.
New York McGraw-Hill Professional, 2002.

Indoor Air Quality : Guide for Facility Managers / E. Bas.
New York The Fairmont Press, 2004.

Integrated Buildings : The Systems Basis of Architecture / L. Bachman.
Hoboken, N.J. John Wiley & Sons, Inc. (US), 2003.

Managing Indoor Air Quality / H. Burroughs.
New York The Fairmont Press, 2004.

My House Is Killing Me! : The Home Guide for Families With Allergies and Asthma /
Baltimore Johns Hopkins University Press, 2001.

Practical Controls : A Guide to Mechanical Systems / S. Calabrese.
New York The Fairmont Press, 2003.

Refrigeration: Home and Commercial / R. Miller.
Indianapolis John Wiley & Sons, Inc. (US), 2004.

Smart Materials and New Technologies : For the Architecture and Design Professions /
M. Addington.
Oxford Elsevier, 2005.

Testing and Balancing HVAC Air and Water Systems / S. Sugarman.
Boca Raton, FL The Fairmont Press, 2006.

Ventilation for Control of the Work Environment / W. Burgess.
Hoboken, N.J. John Wiley & Sons, Inc. (US), 2004.

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Video Collection:

Bergwall Series:

Basic Air Conditioning : Introduction to Fundamentals
Basic Air Conditioning : Cooling Equipment Operations
Basic Air Conditioning : Electrical Controls
Basic Air Conditioning : Troubleshooting

Carrier Corporation : Air Conditioning Fundamentals Series (GTAC-1):

GTAC1-1 Introduction to Air Conditioning
GTAC1-2 Temperature / Pressure
GTAC1-3 The Refrigeration Cycle
GTAC1-4 Systems
GTAC1-5 Compressors
GTAC1-6 Condensers
GTAC1-7 Evaporators
GTAC1-8 Metering Devices
GTAC1-9 Electrical & Refrigerant Controls
GTAC1-10 Accessories

Carrier Corporation : Air Conditioning Advanced Series (GTAC-2):

GTAC2-1A Refrigerant Characteristics
GTAC2-2A Refrigerants Oils
GTAC2-3 Refrigerant Piping
GTAC2-4 System Dehydration
GTAC2-5A Charging, Recovery, Recycling and Reclamation
GTAC2-6 Installation Procedures
GTAC2-7 Heat Pumps
GTAC2-8 Part Load
GTAC2-9 Troubleshooting

Carrier Corporation : Electricity Fundamentals Series (GTE2):

GTE2-1 Introduction to Electricity
GTE2-2 Electrical Components and Their Symbols
GTE2-3 Wiring Diagrams
GTE2-4 Wiring Diagram Exercises

GTE2-5 Electric Meters and Their Uses
GTE2-6 Alternating Current Fundamentals
GTE2-7 Motor Fundamentals and Motor Protection
GTE2-8 Electronic Devices and Circuits
GTE2-9A Electrical Troubleshooting

Carrier Corporation : Skills Training Series (SK):

SK1-02 Metering Devices
SK2-02 Add-On Air Conditioning Installation
SK3-02 Gas Furnace Replacement
SK4-02 Advanced Troubleshooting
SK5-02 Electrical Test Instruments
SK6-02 Air Conditioning Tune-Up
SK14-02 Electrical Troubleshooting
SK15-02 Residential Condensing Unit Replacement
SK16-02 Hermetic Compressor Replacement
SK17-02 Brazing
SK18-02 Evacuation and Charging
SK19-02 Air Measurement

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General Internet Web Resources:

Air Conditioning and Refrigeration Institute
www.ari.org

Air Conditioning Contractors of America
www.acca.org

Air Infiltration and Ventilation Centre (AIVC)
www.aivc.org

Air Movement & Control Association
www.amca.org

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)
www.ashrae.org

The Buildings Technology Program (U.S. Department of Energy)
www.eere.energy.gov/buildings

Cool Careers - Hot Jobs (HVACR industry career links)
www.coolcareers.org

Efficiency Technologies (EffTec) (Includes online HVAC Terms Dictionary)
www.efftec.com

Home Ventilating Institute
www.hvi.org

HVACMall.com
www.hvacmall.com

HVACNews.com
<http://hvacnews.com>

IEA Heat Pump Centre
www.heatpumpcentre.org

Indoor Air Quality Association
www.iaqa.org

North American Technician Excellence, Inc. (NATE) – HVACR Certification
www.natex.org

Plumbing-Heating-Cooling Contractors Association
www.phccweb.org

Refrigeration Service Engineers Society (RSES) – HVACR Training
www.rses.org

Underwriter' Laboratories – HVAC/R Section
www.ul.com/hvacr

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Full Text Databases Online via GALILEO:

Part of the Database Offerings in [GALILEO](#), Georgia's Virtual Library

EBSCOhost full-text journal databases:

[Academic Search Complete](#)
[Business Source Complete](#)
[MasterFILE Premier](#)
[Science and Technology Collection Collection](#)
[Vocational and Career Collection](#)

LexisNexis Academic / Business

ProQuest full-text journal databases:

[ABI/Inform Complete \(American Business Index\)](#)
[Career & Technical Education](#)
[Research Library](#)