

April 2008





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Diagnostic Tools







	Description	Price/ Pub Number
	ECM II Troubleshooting Board/Test Harness Kit Includes circuit board, wiring harness and instructions	\$45.00/each 34-3403-03
	ECM II Troubleshooting Test Harness Kit (no circuit board) Wiring harness and instructions only	\$14.95/each 34-3403-HS
	Flame Current & Simulator- Display or Troubleshooting Includes circuit board and instructions	\$55.00/each 34-4817-02
w!	Serial Motor Diagnostic - Go/No-Go Test Harness Includes wiring harness and instructions	\$14.95/each 34-3454-01
	Variable Speed Outdoor Motor Tester Includes 5 & 6 wiring harnesses and instructions	\$15.00/each 34-3406-02
	Variable Speed Vent Motor Tester Includes circuit board, wiring harness and instructions	\$40.00/each 34-3404-01
	Diagnostic - Software - LitePort [™]	Price/ Pub Number
	LitePort [™] Optical Coupler-Battery Powered (PC Only)-PROBE ONLY Battery operated probe for Pocket PC or PCs that do not provide power to operate the optical probe - can be used with PC or Pocket PC/Serial Port Connector.	\$89.95/each 34-3440-01
	Furnace Diagnostic LitePort [™] Software (PC Only) (No Probe) Software for models *UY, *DY, *UXR, and *DXR (Pocket PC Only)	\$69.95/each 34-3441-SW
	Furnace Diagnostic LitePort [™] Software (PC Only) W/Battery Probe Software (with battery operated probe) for models *UY, *DY, *UXR, and *DXR (PC Only)	\$149.95/each 34-3441-BP
	Heat Pump Diagnostic LitePort [™] Software (PC only) (No Probe) Software for models WCZ, WCY, WCX and WCC (PC Only)	\$69.95/each 34-3425-SW
	Heat Pump Diagnostic LitePort [™] Software (PC only) W/Battery probe Software (with battery operated probe) for models WCZ, WCY, WCX and WCC (PC Only)	\$149.95/each 34-3425-BP
	Impack Gas/Electric Diagnostic LitePort [™] Software (PC only) (No Probe) Software for models YCZ, YCY, YCX, YCP, and YCC (PC Only)	\$69.95/each 34-3426-SW
	Impack Gas/Electric Diagnostic LitePort [™] Software (PC only) W/Battery Probe Software (with battery operated probe) for models YCZ, YCY, YCX, YCP, and YCC (PC only)	\$149.95/each 34-3426-BP



Diagnostic- Software Description	Price/ Pub Number
ComfortLink [™] Converter, RS485/RS232 VSII Converter to connect to a PC with instructions for use with ComfortLink [™] Zone Monitor Software. (not ComfortLink [™] II)	\$80.00/each 22-8310-03
ComfortLink™ Zone Monitor Software Only	\$35.00/each 22-8310-SW
Furnace (40") Service Procedures DVD Educational DVD that teaches HVAC technicians step-by-step problem solving.	\$27.50/each 34-4082-01
Heat Pump Test Procedures DVD DVD that includes test features, LitePort functions, procedures and more for defrost board and refrigeration cycle.	\$27.50/each 34-4081-01
Variable Speed Models Inducer & Silicon Nitride Igniter CD-ROM	\$50.00/each 34-4063-01
A/C Cycle Analyzer CD-ROM Package (Pocket PC only)	\$65.00/each 34-3423-01
Generic Electrical Circuits: High & Low Voltage Interactive CD-ROM	\$50.00/each 34-4047-01
HVAC Electrical Control Circuits Inter-Active CD-ROM	\$50.00/each 34-4046-01
Package Gas Electric Inter-Active CD-ROM	\$29.95/each 34-4080-01
SuperTech Furnace Analyzer CD-ROM	\$39.00/each 34-4067-01
SuperTech Refrigeration Diagnostic Inter-Active CD-ROM	\$27.50/each 34-4045-01
Theory & Operation of Electrical Components Inter-Active CD-ROM	\$50.00/each 34-4048-01
Theory of Basic Electricity Inter-Active CD-ROM	\$50.00/each 34-4049-01
Technical Support Description	Price/ Pub Number
Technical Support Library Binder Includes current technical support literature (pocket aids, service manuals, and application guides) in one easy to access binder	\$1,398.50/case 22-8142-02

\$1,398.50/case 22-8142-02



manuals, and application guides) in one easy to access binder.

Sold ONLY in cases (5 binders per case).







Field O	perations	Excellence	Support	Catalog
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Pocket Aids	
Description	Price/ Pub Number
Air Conditioning Charging Calculator, Super Heat and Sub Cooling	\$20.00/pkg of 5 22-8065-08
R-410A Charging Calculator	\$20.00/pkg of 5 22-8173-01
Air Duct Calculator	\$20.00/pkg of 5 22-3126-03
Atco Flexible Duct Air Duct Calculator	\$20.00/pkg of 5 34-3451-01
Thermaflex Flexible Duct Air Duct Calculator	\$20.00/pkg of 5 34-3453-01
Flexible Duct Friction Loss Calculator (Hart & Cooley)	\$20.00/pkg of 5 34-3452-01
By-Pass/Fresh Air Damper Calculator	\$20.00/pkg of 5 34-3419-01
Pressure/Temperature Pocket Card R-22/R-410A	\$12.50/pkg of 25 34-3400-02
Enhanced Mode Variable Speed Pocket Card	\$40.00/pkg of 25 34-4092-01
Gas Furnace (40") Service Procedures (Pocket Manual) Mini step by step guide to the service procedures for 40" gas furnaces.	\$20.00/pkg of 5 34-3412-01
Air Conditioning Pocket Manual Mini step by step guide to the repair and electrical and mechanical test procedures for R-22/R-410A system air conditioners.	\$20.00/pkg of 5 34-4084-01
Heat Pump Troubleshooting Diagnostic Pocket Manual Mini step by step guide to the service procedures for heat pumps.	\$20.00/pkg of 5 34-3413-01
Heat Pump Troubleshooting Diagnostics Pocket Guide Basic heat pump diagnostics guide.	\$10.00/pkg of 5 34-4070-01









Description	Price/ Pub Number
Communicating Controls Service Manual Theory of Operation, Common Components, Sequence of Operation, Service/Troubleshooting.	\$100.00/pkg of 5 34-4093-01
Service Manuals- General *	
Description	Price/ Pub Number
Airflow Measurement Airflow measurement, including static pressure sensors, measuring pressure Ps, Pt, and Pv, calculating velocity pressure by formula, and temperature rise method.	\$15.00/pkg of 5 34-4051-04
ECM II Electronically Commutated Motors Manual with information on and for troubleshooting ECM-1, ECM, and ECM-2 motors.	\$20.00/pkg of 5 34-3402-04
Energy Management Manual on energy management for comfort consultants that includes basic theory, energy savings, insulation types and properties, and "R" value.	\$15.00/pkg of 5 34-4032-01
Fundamentals of Electricity Manual on the fundamentals of electricity, including basic theory, power generation, Ohm's Law, load, and power distribution.	\$15.00/pkg of 5 34-4061-02
Fundamentals of Gas Heating Manual on the fundamentals of gas heating, including combustion, gases and piping, controls, gas valves, and venting.	\$15.00/pkg of 5 34-4053-02
Fundamentals of Venting Manual that includes vent system installation, fan assisted vent systems, power venting, sizing and designing vent systems, and more.	\$15.00/pkg of 5 34-4010-03
Noise Control (Outdoor Unitary Equipment) Many local governments are enacting noise ordinances designed to control noise sources. Outdoor air conditioning equipment is often singled out as a noise source and limitations are placed on the noise produced. This booklet demonstrates how to control this noise to stay within standards.	\$15.00/pkg of 5 32-3006-03
Refrigeration and Heat Transfer The necessity for understanding basic principles cannot be overstated. The purpose of this manual is to explain the fundamental concepts of heat transfer and refrigeration in simple everyday terms. The explanations are general in nature and are not intended as a course in thermodynamics.	\$15.00/pkg of 5 34-4062-02
System Charging This manual provides service technicians with general knowledge necessary to properly charge a heat pump or air conditioning system. It outlines in detail recommended charging procedures to be followed on all capillary tube and expansion valve systems.	\$15.00/pkg of 5 34-4100-08
Variable Speed II Service with Zoning Manual Includes information and schematics for servicing variable speed systems.	\$5.25/each 22-8058-02
* Personalize your service manuals with your company information and logo. Minimum order quar- is 250 manuals @ .35/ea. You can order a variety of service manuals to comprise the 250 minim thout prior police	



Service Manuals- Gas *





Description	Price/ Pub Number
LitePort™ Furnace Manual Guide to LitePort (on-site diagnostic software for laptops and handheld computers).	\$20.00/pkg of 34-3437-02
Gas Furnace (Silicon Nitride Igniter) General features and schematics for gas furnace silicon nitride igniter models.	\$20.00/pkg of 34-3405-09
Gas Furnace (40") Operation Service manual for gas furnaces, a thorough understanding of the units of sequence of operation is essential. This publication is based on White-Rogers controls and provides the narrative and schematic drawings necessary to provide this understanding for these furnaces. Also included is a description of operating principles of different ignition systems.	\$20.00/pkg of 34-4054-08
Gas Furnace Operation, 1977-1991	\$8.00/pkg of 2 34-4055-02
Service Manuals- Air Conditioning/Heat Pumps *	
Description	Price/ Pub Numbe
Compressor Service Procedures Basic compressor service procedures	\$15.00/pkg of 34-4012-03
Heat Pump Service Procedures General procedures that may be used in performing service on the various cooling and heat pump units and their components.	\$15.00/pkg of 5 34-1005-03
R22/R410A A/C Repair Basic AC repair manual	\$49.95/pkg of 5 34-4085-01
Compressor (Two Step Scroll) Split System Information on two step scroll compressor split systems, including troubleshooting on outdoor variable speed and defrost controls.	\$15.00/pkg of 5 34-3445-01
Dual Compressor Split System Manual on dual compressor split system including information on Comfort-R, piping, heat pump and cooling controls, and troubleshooting.	\$15.00/pkg of 5 34-4060-04
Heat Pump Defrost Controls Manual on heat pump defrost controls, including electronic timer time and temperature and solid state demand.	\$15.00/pkg of 5 34-4101-07
Heat Pump Electrical Components & Circuits Defrost Controls	\$15.00/pkg of 5 34-3408-01
Cooling, heating, and defrost cycle schematics for heat pump electrical components and circuits.	

* Personalize your service manuals with your company information and logo. Minimum order quantity is 250 manuals @ .35/ea. You can order a variety of service manuals to comprise the 250 minimum.





Description	Price/ Pub Number
Dual Compressor Package Unit Manual for the WCZ/YCZ package unit electronic controls and electrical system component operation. Each section contains detailed operating sequences and general service procedures for use in maintaining the system.	\$20.00/pkg of 5 34-4059-06
MPACK Gas Heating Operations Manual on IMPACK gas heating operations including model nomenclature, heating sequence of operation, ignition systems, and service/troubleshooting.	\$20.00/pkg of 5 34-4056-05
Service Manuals- Indoor Air Quality (IAQ) *	Price/ Pub Numbe
Electronic Air Cleaner Serviceman's Guide Guide to service procedures and troubleshooting for electronic air cleaners.	\$15.00/pkg of 5 34-3401-01
FD Clean Air Service Manual General procedures that may be used in performing service on the iFD air cleaners.	\$20.00/pkg of 5 34-3446-02
Application- Software	Price/ Pub Numbe
Refrigerant Piping Software	\$125.00/each 32-3312-02
Application- Manuals and Binders	
Description	Price/ Pub Number
ntroduction to the Psychrometric Chart Explains how to use the psychrometric chart	\$37.50/pkg of 25 22-3002-05
Manual D (ACCA) Residential Duct Design (Manual)	\$35.00/each 34-4057-02
Manual J (ACCA) Residential Load Calculation (7th Edition) (Manual)	\$78.00/each 34-4078-01
Manual J (ACCA) Residential Load Calculation (8th Edition) Abridged Edition (Manual)	\$48.00/each 34-4087-01

* Personalize your service manuals with your company information and logo. Minimum order quantity is 250 manuals @ .35/ea. You can order a variety of service manuals to comprise the 250 minimum.

continued...



Application- Manuals and Binders (continued) Description	Price/ Pub Number
Refrigeration and Condensate Piping Application Guidelines Includes 5 each Refrigerant Piping manual (1-6 tons), Tube Size and component Selection (7.5-20 Ton), Condensate Drain application manual	\$20.00/pkg 22-3317-01
System Modulation Manual Air conditioning systems are designed to provide the needed capacity at design conditions, and this manual is an application guide to system capacity modulation.	\$0.50/each 22-3042-04
Worksheets Description	Price/ Pub Number
Charging Curve Selection Chart R-410 Split Cooling Heat Pump Units Only	\$1.25/each 34-3421-01
Heat Pump Balance Point Chart Chart to aid in correlating BTUH and outdoor temperature.	\$3.25/pad of 50 34-4024-02
Manual D (ACCA) Residential Duct Sizing Calculations Worksheet Worksheet for residential duct sizing calculations to accompany the Manual D.	\$10.00/pkg of 5 34-4058-02
Manual J (ACCA) Residential Load Calculation (8th Edition) (worksheet) Worksheet for load calculations for residential air conditioning to accompany the Manual J (8th edition).	\$33.60/pkg of 100 34-4088-01
Manual J Worksheet (ACCA) Load Calculations for Residential A/C (7th Ed) Worksheet for load calculations for residential air conditioning to accompany the Manual J (7th edition).	\$10.00/pkg of 20 34-4079-01
Psychrometric Chart	\$5.25/pad of 25 32-3013-01
Psychrometric Worksheet Chart that correlates total heat, wet bulb and dew point temperatures, dry bulb temperatures, and weight of water vapor in one pound of dry air.	\$6.25/pkg of 25 34-4026-02
R-22 HCFC Refrigerant Piping Worksheet Pad	\$2.00/pad of 50 22-3217-02
Residential Fossil Fuel Consumption Guidelines Worksheet A worksheet to help calculate the energy used in single and two stage systems (residential fossil fuel heat).	\$0.50/each 22-3137-01
Whole House Worksheet- Florida Residential Residential whole house worksheet (Florida) for equipment sizing.	\$5.25/pad of 50 22-3139-01



Course Books and Course Software- Service	Price/ Pub Number
Air Conditioning Service Course Book	\$55.00/each 22-8028-01
Gas Heating Services Course Book	\$55.00/each 22-8003-02
Heat Pump Service Course Book	\$55.00/each 22-8005-03
R-410A Refrigeration Course Program Inter-Active CD-ROM	\$49.95/each 34-3416-04
Course Books and Course Software- Application	Price/ Pub Number
Duct Sizing Simplified Course Binder \$ Including Instructor's CD-ROM	875.00/case of 5200.00/each022-8139-02CS22-8139-02
Residential Loads & Equipment Selection Applications Course Book	\$55.00/each 22-8007-04
Zoning Vol. I- Manual J and D with Homework	\$136.00/each 22-8049-02
Zoning Vol. II- Application Duct Design Computer Programs & Servic Includes ComfortLink™ Converter, RS485/RS232 VSII (not ComfortLink™	
ACCA Manuals (Order directly from ACCA @ www.acc.org	J/Store) Price (List/Member)/Product Code
Technician's Guide for Quality Installation Technician's Guide closely follows the outline of the HVAC QI Specification	\$29.95/\$19.46 Product Code: 628
Maintenance for Residential HVAC Systems Details necessary inspection and maintenance for residential HVAC system	\$29.95/\$22.46 ns. Product Code: 5974
ACCA System Cleanliness Standard Establishes the minimum criteria for the cleaning for HVAC systems.	\$29.95/\$22.46 Product Code: 597
HVAC Quality Installation Specification For the first time, "quality installation" has been defined. Know step by step how to ensure that an HVACR system is installed according to accepted best practices for best quality.	\$29.95/\$22.46 Product Code: 586





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Literature Order Number		
File No.	Pub. No. 22-8156-09	4/08
Supersedes	Pub. No. 22-8156-08	12/07
Stocking location		PI

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