



BRAUER SUPPLY CO.

HVAC PRODUCTS



Your Single Source For...

- Heating and Cooling Equipment and Supplies
- Mechanical, Industrial, and Air Handling Insulation and Accessories
- Air and Liquid Filtration
- Specialty Fasteners

St. Louis Headquarters:
(See Branch Facilities on Back)

(314) 534-7150
(800) 392-8776
www.brauersupply.com



The Products You Need...



Warehousing

It all begins here! 100,000 square feet of warehouse facilities, featuring fourteen loading docks for shipping and receiving, a spacious city counter area for customers' on-site purchasing, and modern materials handling equipment. This comprehensive headquarters is located in St. Louis' Central West End, just between Interstate 64 and Interstate 44, and easily accessible from all areas.

We also feature a completely staffed insulation sales office and separate warehouse, providing the most complete selection of insulating materials in the Midwest.

Serving the Midwest United States, Brauer maintains full service branch locations in the Missouri Cities of Columbia, Springfield, Joplin, Cape Girardeau-Jackson, in the Illinois cities of Springfield and Swansea, and a Kansas City, Kansas location serving that metro area and the surrounding region. These facilities enable Brauer to provide ready access to products for customers in central, southeast and southwest Missouri and adjacent states, as well as north central and southern Illinois. Surrounding the St. Louis metro area are a series of convenient customer service centers in O'Fallon, Union, and Festus, Missouri.

With thousands of square feet of warehouse space, and twelve locations, inventory management is key to our business. Making sure the products our customers need are in stock and easily accessible is our main concern. This means you can invest your time in your main business and leave the worrying to us.



Distribution

Having an efficient warehouse network is only part of the Brauer service. Our customers need products delivered on time. That is why we place a special emphasis on our delivery services.

We maintain a large fleet of delivery vehicles, operated by experienced, friendly drivers. Our drivers run regular routes in regions surrounding our warehouses, in addition to special runs down major highway arteries. With our convenient central location we can provide quick access to common carriers and deliver when emergency service is needed to areas beyond our normal truck runs.

You can count on Brauer - from your sales representative to the dispatcher - to do everything possible to meet all of your needs.



Handling Your Order

Information! Today, more than ever, it is a vital part of every successful business. Our experienced personnel, trained in-depth on our entire product line and supported by individual product managers, are always available to handle your inquiries.

We are a pioneer in the local industry with regard to computerization and automation, once again upgrading our Management Information System to provide enhanced capability for customer service. Additionally, we have updated our website to include links to product information that will allow for timely submittal to your customers.

The Service You Demand...

That means we will handle your orders accurately and promptly. With our on-line system, we can provide up-to-the-minute inventory balances and readily reference pricing and credit information.

Well trained personnel and the latest in technology guarantees that the information you need is always just a phone call or click (www.brauersupply.com) away.



Unparalleled Customer Service!

What makes everything we offer really work for our customers---our extensive inventories, efficient delivery service, and state-of-the-art information systems and order processing, is the friendly, knowledgeable attention we provide.

Brauer's sales representatives are highly experienced in all of our product fields. Many have worked their way up through our various departments. They understand all of the services we provide and how all of those services can best benefit you. They will be happy to visit you at your plant or job site to help you find the solutions you need. Our salespeople are backed by product managers who are in regular contact with the manufacturers we represent. A complete training center at Brauer serves not only to keep our people abreast of the latest product information, but often hosts special classes for our customers to learn about the latest technologies and techniques to help you meet the needs of YOUR customers.



Product Areas

Brauer Supply Company, with its tremendous inventory of parts and materials, is recognized as the complete heating and air conditioning supply house. Products include the latest in energy-saving units, fittings, sheet metal, controls, and numerous additional items needed to adapt to any new or existing system.

Our Insulation Division is designed to serve as the business partner to the insulation contractor with complete lines of insulating materials and accessories.

Power and process industries, mechanical contractors, and those responsible for the maintenance and upgrading of commercial and institutional buildings will also find industrial materials and know-how at Brauer Supply.

For over 50 years, Brauer has been a major supplier of specialty fasteners with an emphasis on blind rivets, threaded inserts, and self-drilling screws. Offering unique tool repair services and an extensive inventory of fastener products, Brauer's specialists can help you select the proper parts to meet your unique requirements.



Brauer was the first distributor in the nation for fiberglass disposable air filters in the 1930's. Today, Brauer is the complete air filter supply house. We feature such items as bag filters, deep pleated filters, polyester products, fiberglass disposables, cartridge filters, and specialty medias. Whatever the size or type, you will find Brauer your source for ready availability and prompt delivery. We are also your source for liquid and process filtration.

Brauer Supply Company carries over 7,000 different items in its multi-million dollar inventory. It is most likely that many of the items you are currently purchasing from diverse sources can be picked up or delivered in one stop at Brauer. Many of our products are selected for compatibility with the goals of the Green Building movement. Partner with us as we work to protect our environment!

We invite you to give us a call at 314-534-7150 or at 1-800-392-8776 or click www.brauersupply.com for a comprehensive catalog providing detailed information on all the products we carry - absolutely free.



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Brauer Supply Company

Brauer Supply Company, for over a century, has been a full line stocking Distributor providing prompt and courteous customer service while providing high quality products. We operate the following four divisions: Heating & Air Conditioning (HVAC), Air and Liquid Filtration, Specialty Fasteners, and Mechanical/ Industrial/ and Air Handling Insulation.

AIR AND LIQUID FILTRATION DIVISION

Products From Quality Manufacturers Such As Airguard, Koch, Flanders, Filtration Systems & Smith

Air Purification Systems
Anti-Clog Tablets
Automatic Roll Filters
Bag Filters – Fiberglass & Synthetic
Cartridge Filters
Disposable Filters – Fiberglass & Polyester
Dust Collector Cartridge Filters
Filter Service Frames
Filtrete Filters – 3M
HEPA Filtration
High Efficiency Mini-Pleat Filters
High Efficiency Rigid Cell Filters
Liquid Filtration Products - Harmsco
Odor Absorbing Carbon Filters
Paint Arrestor Filters
Paint Arrestor Products – Spra-Gard
Permanent Metal & Foam Filters
Pleated Filters – Standard Capacity
Pleated Filters – High Capacity
Pleated Filters – High Temperature
Polyester Media Pads & Bulk Rolls
Ring Panel Filters – Link Filters
Self Supported Pocket Filters
Sheaves & Pulleys
Side Access & Vee Bank Units
Slip-on Filter Sleeves
UV Lights – Ultravation, General Aire
V-Belts – Goodyear & Fenner
Water Purification Products – Everpure

SPECIALTY FASTENERS

Products From Quality Manufacturers Such As Pop, AVK, Brynolf, Surebonder, Sioux, Sherex & Atlas

Air Tools & Hydraulic Tools
Corrosion Protection Coatings
Monobolts/Rivets – Cherry
Nutsert – Thin Sheet
Painted Rivets – Special Finish
Rive Drill
Rivet Nuts – AK, AL, CAK & CAL
Rivet Tooling and Repair Parts – Pop
Rivets – Bulbex
Rivets – Pop – Division Emhart
Self Drilling Screws – Atlas
Self Drilling Screws – Brynolf
Strut – Rod & Accessories
T-Lock Rivets – Avdel
T-Nuts/Weld Nuts – Stafast Products
Thread Forming/Cutting Screws
Threaded Inserts – Sherex
Threaded Inserts – AVK
Tools & Parts – AVK
Tools & Parts – Avdel
Tools & Parts – Pop Rivet
Tools & Parts – Sioux

HVAC DIVISION

Accessory Items – DiversiTech
Booster Fans
Brackets – Basset
Chimney Covers – Hy-C
Coil Cleaner
Condensing Pad – Cladlight, E-Lite
Connector & Hardware – Cain
Controls – Field
Controls – White Rodgers
Copper Fittings
Duct Board Kerfing Tools
Egg Crate Panel
Electronic Air Cleaner – Trion
Fans – Fantech
Fastening Systems – Gripnail
Fiberglass Duct Liner & Adhesives
Fiberglass Duct Wrap
Fittings – Air-Tite
Fittings – Black Iron
Flexible Duct – Aluminum
Flexible Duct – Insulated – Quietflex
Flexible Duct – Non-Insulated – Thermaflex
Flexible Gas Connectors – Dormont
Galvanized Pipe & Fittings – Midwest Duct
Galvanized Sheets
Gas Vent & Chimney – Selkirk
Geothermal Units – Century
Heating & AC Equipment – Heil/Arcoaire
Humidifiers – Braeburn
HVAC Parts
Laundra Vents
Line Sets – Cerro
Machinery – Flagler
Machinery – Roper-Whitney
Machinery – Tennsmith
Machinery – Tin Knocker
Media Air Cleaner – Trion
Mini-Splits – Century
Motors – Wagner
PTACs – Century
PVC Pipe & Fittings
Refrigerant – R22 & R410A
Refrigeration Products – Ritchie
Registers & Grilles – Continental
Return Air Panning – Thermo-Pan
Smoke Detectors – Duct – Apollo Air
Snips – Midwest, Malco
Solder – Harris
Space Heaters & Wall Furnaces – Empire
Staplers & Staples – Bostitch
Thermostat Wire – Honeywell
Thermostats & Zone Controls – Braeburn
Thermostats & Zone Controls – White Rodgers
Tools & Zip-in Screws – Malco
Unit Heaters – ADP

INSULATION DIVISION

Fiberglass Products by Knauf & Certainteed

Pipe Covering with ASJ+
Industrial Board
Duct Wrap
Pipe and Tank
High Temp Blanket & Panel
Equipment Insulation
Duct Liner
Duct Board
Flexible Duct
Fiberglass Fittings

Elastomeric & Polyethelene Rubber

Insulation Products by Armacell

Elastomeric Pipe, Sheet, Roll
Self Seal Elastomeric Pipe, Sheet, Roll
Polyethelene Pipe
White Rubber
Non-Hallogenic Rubber
High Temperature Rubber

Mineral Wool Products by IIG, Roxul, Rock Wool

Pipe Covering
Pipe and Tank Wrap
Industrial Board
Metal Mesh Blanket

Ceramic/ Fire Barrier Blanket/ Boards by Unifrax

Unifrax Fyrewrap
Plenum Shield
Ceramic Fiber Blanket

Calcium Silicate/Perlite by IIG

Pipe Covering and Block

Fittings, Jacketings & Shields by Proto, ITW RPR & Bucharoo

PVC Fittings & Jacketing
Aluminum Fittings & Jacketing
Stainless Steel Fittings & Jacketing
Armafix Pipe Hangers
Fiberglass Fittings
Calcium Silicate/Perlite Fittings

Supports by Bucharoo

For Fiberglass, Mineral Wool, and Foamglass

Miscellaneous

Adhesives, Mastics, and Coatings
Tapes-Foil, Cloth, PVC, FSK, ASJ, ASJ+
Insulation Hangers and Weld Pins
Insulation Cements
Canvas, Rewettable Glass Cloth
GlasFab
Caulk/Sealants
Insulation Knives and Tools

Brauer Supply Company General Terms, Conditions, Freight Policies, and Return Policies

(This document is for Reference only. For the latest guidelines, visit www.brauersupply.com)

PRICE:

- All orders subject to the prices in effect on the date of ship of shipment or specific quotation.
- All prices and specifications subject to change without notice.

TERMS:

- 10TH Prox / Net 30 Days from Date of Invoice.
- Payment Discounts, if any, will be shown on the invoice.
- Customer agrees to pay service charges of 1 ½ % per month on all past due accounts.
- Customer agrees to pay a \$30.00 service charge on any and all returned checks.
- Customer agrees to pay any and all costs involved in the recovery of monies owed due to returned checks, past due accounts, or other causes resulting in money owed to Brauer Supply Company. These monies include, but are not limited to the original amounts owed along with collection fees, attorney fees, court costs, and any other fees and/or charges related to the collection of amounts owed.

MINIMUM BILLING AND SPECIAL ORDERS:

- \$10.00 minimum on all cash and/or check purchases.
- \$20.00 minimum on all charge, CBD, or COD purchases.
- A minimum of 25% deposit will be required on orders for special material.

SHORTAGES DUE TO BRAUER SUPPLY COMPANY ERROR:

- All claims of shortages, errors, or defective goods must be filed with fifteen (15) days after receipt of material (See below for Return Goods policies related to errors or defective goods).

WARRANTIES:

- All statements, warranties, and product representations relating to products sold by Brauer Supply Company are those stated on the most current literature from our manufacturers/suppliers. Brauer Supply Company makes no warranties of its own, either expressed or implied.

LIMITATION OF LIABILITY:

- Brauer Supply Company will not be liable for failure to deliver product to purchaser in a timely fashion for any reason, including, but not limited to, market conditions, product scarcity, failure of manufacturer to meet production schedules, credit decisions, or any other circumstances whether or not under the direct control of Brauer Supply Company, nor will Brauer Supply Company be held liable for any actual, consequential, or liquidated damages resulting from the above conditions. Any provisions, statements, or conditions in purchaser's request-to-quote or purchase order, either written or oral, are hereby specifically rejected.
- Brauer Supply's failure to perform any term or condition of sales agreements as a result of conditions beyond its control, such as, but not limited to, war, strikes, fires, floods, acts of terrorism, civil unrest, acts of God, governmental restrictions, power failures, or damage, failure, or destruction of computer/network systems/facilities/servers, shall not be deemed a breach of those agreements.

RETURN OF GOODS:

- No goods or materials will be accepted for return without our written consent in the form of an RGA (Return Goods Authorization). This can be expedited by supplying us, via telephone, email, or in writing, with the following information -
 1. Date and number of the invoice on which the material was billed. If material not yet invoiced, the date and number of work order and/or packing list.
 2. Description and quantity of the material being returned.
 3. Reason for the return.
- No material will be accepted for return unless the following conditions are met -
 1. Stock items must have been purchased within 120 calendar days preceding the date of return. If material was defective or shipped incorrectly, Brauer Supply Company must be notified within 15 days of the date on which the material shipped.

BRAUER SUPPLY COMPANY FREIGHT POLICIES

2. Special items or Brauer Supply non-stock items will not be accepted for return unless our suppliers agree to accept the returned material.
 3. Material must be returned in original cartons and in a resalable condition as determined solely by Brauer Supply Company.
 4. The customer agrees to pay all transportation charges for the return to Brauer Supply Company and/or the manufacturer.
- Once Brauer Supply Company agrees to accept the return, you will receive a written Return Goods Authorization. Upon receipt of the material at Brauer Supply Company or at our supplier as applicable, Brauer Supply Company will credit your account subject to the following terms –
 1. All packing slips and paperwork originating with the customer must reference the Return Goods Authorization number and the date and invoice number (or date and work order / packing slip number if not yet invoiced) on which the material was originally billed (or shipped if not yet invoiced).
 2. Material which can be put back into Brauer Supply Company stock will be credited back at invoice price, less 10% for material returned in full cartons or less 25% for broken cartons.
 3. Special items and Brauer Supply non-stock items for which our suppliers have agreed to accept the return will be credited at invoice price less a pre-agreed restocking charge.
 4. If the return is due to an error by Brauer Supply Company or our supplier, Brauer Supply will either pick up the material, or request that you ship the material to Brauer Supply Company or our Supplier as applicable. Replacement material will be shipped or delivered promptly. Brauer Supply Company or our supplier will pay all freight charges related to the return of defective or incorrect material and the replacement of same with proper material. Replacement material will then be billed in the usual manner.
 5. Any credits due will be applied to open balances for future orders. Cash customers will receive a check or credit card credit issued from our accounting office.
 6. Brauer Supply reserves the right to apply any refund to any outstanding balance that may exist on a customer's account.

FREIGHT POLICIES AS OF MAY 1, 2013

- All shipments of \$150.00 or more will be shipped freight allowed via our trucks on regularly scheduled days in our regular delivery areas.
- Invoices of less than \$150.00 shipped via Brauer Supply Company vehicles on regularly scheduled days in our regular delivery areas will be subject to a \$25.00 delivery fee.
- Any fuel surcharges in effect will apply to all shipments made via Brauer Supply Company vehicles regardless of order size.
- Contact our office for details on regular delivery schedules and areas.
- Short shipped or backordered items regardless of order size may qualify for freight allowed shipping.
- All orders shipped via UPS or other third party carriers will be sent prepaid, no freight allowed and be subject to an \$8.00 handling charge.
- Orders may be sent 3rd party freight allowed when shipped for Brauer Supply Company's convenience or to fulfill back orders.
- All LTL (less than full truckload) shipped via common carrier will be shipped prepaid, no freight allowed. Freight charges will be billed to customer. Large orders or specifically quoted material may qualify for allowed freight.
- Material shipped direct from one of our manufacturers/suppliers to a customer will be shipped according to their freight policies. Freight charges may be billed to the customer according to such policies.
- Certain material is always shipped no freight allowed. Contact your salesperson or our inside customer service personnel for details.
- When Brauer Supply Company incurs the freight cost, Brauer reserves the right to select the carrier.
- When the customer specifies a carrier or requests expedited delivery/special handling, the customer will be responsible for all freight charges.

BRAUER SUPPLY COMPANY

A Family Tradition of Customer Service For Over 132 Years



August G. Brauer, founder and president from 1881-1932



Oscar P. Brauer, son of the founder and second president.



Currently active Brauer family members include:
President Jim Truesdell, Vice President Robert G. Brauer, Chairman William H. Brauer, and Vice President William D. Brauer.

For over one hundred and thirty-two years, the Brauer Supply Company has served the St. Louis marketplace. The company's story is one that parallels the development of the city itself and the emergence of the heating and cooling industry through many technical innovations. Yet, the same factors which originally caused the company to prosper...service, dependability, and a fair price...are the same which help to place Brauer Supply Company in a position of leadership today.

The story of Brauer Supply Company begins in 1881. The City of St. Louis was entering one of its most exciting periods as its location on the Mississippi River turned into a national center of commerce. Riverboats in great numbers were bringing people and goods from the East via the Ohio River and to and from New Orleans to the South. The frontier was still very much alive and St. Louis served as a supply point for adventurers and settlers heading West. Also, at this time, the country was in the midst of the Industrial Revolution and the idea of standardized replacement parts for manufactured goods was becoming widely accepted.

A major industry of the period was manufacturing of cast iron heating stoves of all varieties. Quite a number of makes and types of these stoves were produced in the East for shipment to dealers in the western and rural regions of the country. When, inevitably, repair parts were needed, the dealer in each locality had to leaf through many different catalogs and send several different orders for the various parts. There were often long time delays and expensive shipping charges which had to be paid.

BRAUER SUPPLY COMPANY

A Family Tradition of Customer Service For Over 132 Years

The need for a central source of supply which could furnish all parts for all stoves at a savings of time and money to the dealer was recognized by the young August G. Brauer.

Mr. Brauer had worked as a salesman for a local manufacturer of coal and woodburning stoves, eventually becoming manager of that business. When one of the owners passed away and the firm was about to fold, Mr. Brauer, feeling an obligation to his customers to provide the replacement parts they needed, found himself at the head of his own business supplying these parts.

August Brauer was surprised as anyone else that his little enterprise began to flourish in the small shop on St. Ann's Street, East of Broadway. In fact, he soon was doing so well at this business of servicing the heating stoves of the St. Louis area with repairs and replacement parts that he began to expand. In 1884, he purchased the St. Louis Stove Repair Works on Franklin Avenue, and moved into a new and larger location

at 217 to 219 Locust where he made arrangements to become the representative for parts and repairs for The Charter Oak Stove & Range Company, Bridge and Beach Manufacturing Company, and Bucks Stove and Range Company.



The Brauer staff is here shown in 1884 in front of the Company's second location. A.G. Brauer is the third man from the right.



The general growth and expansion in the field continued until about 1923 when the Company decided to make an important change with the times. That change was taking on the repair parts of warm air furnaces as well as the heating stoves which were then beginning to dwindle as central heating became the new thing.

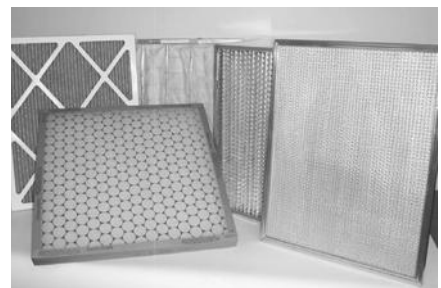
It was in 1907 that the firm was incorporated as the A.G. Brauer Supply Company with August Brauer as president; John Schuricht as secretary and treasurer; and Julius Hartig as manager.

By 1930, a filter had been developed for hot-air furnaces to keep the dust of the basement heating unit from penetrating into other sections of the house. Brauer became the first distributor in the nation for this new development in heating systems. Some of their competitors laughed at them for taking on such a novelty which they said would never amount to anything - yet- without the filter, today's air conditioning systems would be unable to operate.

The year 1932 marked the passing of the founder of the company, August G. Brauer. He died of pneumonia on September 23. One month later his son, Oscar P. Brauer, assumed the presidency of the firm. The Company made great strides during the period of Oscar Brauer's leadership, expanding both its products and its markets. Brauer Supply also assumed a position of leadership in the industry nationally, as Oscar P. Brauer was a founder and president of the North American Heating and Air Conditioning Wholesalers Association and a member of the Board of Trustees of the National Association of Wholesalers.



This was Brauer Supply Company in the early 1900's



Brauer pioneered in the distribution of air filters and heating systems

BRAUER SUPPLY COMPANY

A Family Tradition of Customer Service For Over 132 Years

During the 1930's, the Company was forced out of its headquarters on Third Street by the Jefferson National Expansion Memorial Project, and it was in 1940 that it moved to a five-story building at 2100 Washington . There it occupied 65,000sq ft of floor space crammed with an inventory of heating, air-conditioning, and hot-water equipment plus replacement parts for at least sixty different manufacturers' heating stoves.



2100 Washington was home to Brauer Supply in the 40's, 50's, and 60's.

In 1946 the A.G. Brauer Company added to its distribution complete furnace and heating equipment using four fuels - natural gas, LP gas, coal, and oil. Today, this heating and air-conditioning division includes new central air units, heat pumps, residential and commercial water heaters, and the fittings, pipes , and parts to make them work.

William H. Brauer, grandson of the founder, joined the firm in 1953 after five years in the sales department of Monsanto Chemical. A chemical engineering graduate of M.I.T., Bill Brauer developed the Company's insulation division which today features a complete line of industrial insulation materials covering a wide range of uses and conditions.

The insulation division was housed then, as it is now, in a separate facility located at 330 South Newstead, with facilities for office space, as well as customer pick-up and rail siding.



Industrial Insulation became an important product group in the 1950's

As the Company became identified as a long-established family-business, the Board of Directors decided in June of 1957 to drop the "A.G." from the name and it became simply, the "Brauer Supply Company."

In 1965 the firm opened its first branch office outside of the City of St. Louis in Sikeston, Missouri. Shortly thereafter it was moved to Cape Girardeau. Now located in Jackson, Missouri, this location provides coverage for the Southeast Missouri market area.

In 1968 Oscar Brauer passed the reins as president to William H. Brauer, assisted ably by long-tenured Vice-President Leonard H. Troeller. Oscar Brauer remained an active advisor to the business until his death in 1977.

A fourth division - fasteners - was expanded in 1970 to complement the already strong heating, filters, and insulation departments. Brauer soon became a major supplier of rivets, twist drills, self-drilling screws and other specialty fasteners. Maintaining a staff with a high level of technical expertise, Brauer Supply is a source of information and advice to the customer with fastening needs.



The early 1970's brought expansion to the Company fastener division.

In 1972 continued growth forced the Company to expand its quarters once again, moving to its present headquarters building at 4260 Forest Park. Here, a large, modern warehouse with fully-mechanized materials handling equipment helps to ensure speedy order filling and prompt shipment to customers. A fleet of delivery trucks is available for daily runs in the St. Louis, Columbia, Jackson, Joplin, and Springfield, Missouri and Illinois areas.

In 1978, James Truesdell, representing the fourth generation of the Brauer family, joined the company.

BRAUER SUPPLY COMPANY

A Family Tradition of Customer Service For Over 132 Years

Brauer's centennial year, 1981, saw the installation of a modern, computer-based accounting system which provided greater ability to stock those items customers need most and to provide clear and concise orders, invoices, and other information to increase service levels.

Growth accelerated in 1984 with the opening of a new branch office in Columbia, Missouri. That same year saw the acquisition of a large warehouse adjacent to the Brauer St. Louis headquarters to insure room for future expansion.

William D. Brauer, great-grandson of the founder, joined the firm in 1985 after serving as a pilot in the United States Navy.

In the Fall of 1989, the company added 23,000 square feet of warehouse space and multiple docks for shipping and receiving at its main location. At the same time, James Truesdell was named the company's fourth President, and William D. Brauer assumed the duties of Vice President. Shortly after this, an enhanced computer system was installed, and branches were added in Swansea, Illinois, and St. Peters, Washington, and Festus, Missouri.

In 1996, Robert G. Brauer, second son of William H. Brauer, joined the Company after serving in marketing positions with the Sherwin-Williams Company. Continued growth followed with the opening of a branch office in Joplin, Missouri. Two years later a store was opened in Springfield, Missouri.

In 2002, Brauer Supply took a leading role as James Truesdell chaired the industry group founding the Heating, Air Conditioning, and Refrigeration Distributors International (HARDI) which is today the HVAC distribution industry's leading voice.

In 2005, the Company's eleventh location opened its doors in Springfield, Illinois. Several years later Brauer expanded to the Kansas City Metro market with a major 27,000 square foot distribution center serving eastern Kansas and western Missouri. At the same time, the Company moved its headquarters location to 1218 South Vandeventer Avenue in St. Louis. The new facilities greatly expanded the customer service, storage, and office area with a one-level high ceilinged complex with room for future growth. The location close to interstates I-44 and I-64 provides easy access for customers and efficient connections for Brauer's fleet of delivery vehicles.

In its third century, Brauer Supply is no longer a company geared to one segment of industry. Brauer is a broad-based industrial supplier with products needed by almost all areas of the business community. The family tradition of service and customer satisfaction remains the prime focus. The Company motto, "In Business to Serve You!", is a constant reminder that the customer is the reason for our success and even our very existence.



Authorized Sales

Certain products contained in this catalog require a professional level of expertise to install or make functional. For this reason we reserve the right to restrict sales of certain items to recognized leaders or otherwise qualified professionals.



**Heating, Air Conditioning & Refrigeration
Distributors International**



Midwest Insulation Contractors Association



National Air Filtration Association



**Specialty Tools & Fasteners
Distributors Association**



**Sheet Metal and Air Conditioning
Contractors' National Association, Inc.**



**Air Conditioning Contractors of America
(St. Louis Chapter)**

N4A3

**EFFICIENT 13 SEER AIR CONDITIONER
ENVIRONMENTALLY SOUND R-410A REFRIGERANT
1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz**

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Filter-drier supplied with every unit for field installation
- Copper tube/aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 2" (51mm) spacing standard, alternate models available with 3/8" (10mm) spacing for extra protection (hail guard)

WARRANTY*

- 5 year compressor limited warranty
- 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Pa rt #	Mfg #	Description
40300318	N4A318AKB	Entry 13 SEER 1.5T R410A Condenser
40300324	N4A324AKB	Entry 13 SEER 2T R410A Condenser
40300330	N4A330AKC	Entry 13 SEER 2.5T R410A Condenser
40300336	N4A336AKB	Entry 13 SEER 3T R410A Condenser
40300342	N4A342AKA	Entry 13 SEER 3.5T R410A Condenser
40300348	N4A348AKB	Entry 13 SEER 4T R410A Condenser
40300360	N4A360AKC	Entry 13 SEER 5T R410A Condenser

NXA6

HIGH EFFICIENCY UP TO 16 SEER AIR CONDITIONER ENVIRONMENTALLY SOUND R-410A REFRIGERANT 1½ THRU 5 TONS SPLIT SYSTEM 208 / 230 Volt, 1-phase, 60 Hz



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This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment.

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Filter-drier supplied with every unit for field installation
- Copper tube/aluminum fin coil
- 48 and 60 models for higher SEER, lower capacity
- 49 and 61 models for higher capacity, lower SEER

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)

WARRANTY*

- 5 year compressor limited warranty
- 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.

Part #	Mfg #	Description
40301618	NXA618GKA	Entry High Efficiency 1.5T R410A Condenser
40301624	NXA624GKA	Entry High Efficiency 2T R410A Condenser
40301630	NXA630GKA	Entry High Efficiency 2.5T R410A Condenser
40301636	NXA636GKA	Entry High Efficiency 3T R410A Condenser
40301642	NXA642GKA	Entry High Efficiency 3.5T R410A Condenser
40301648	NXA648GKA	Entry High Efficiency 4T R410A Condenser
40301660	NXA660GKA	Entry High Efficiency 5T R410A Condenser

H4A3

EFFICIENT 13 SEER AIR CONDITIONER ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® compressors on all models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- 2-speed fan motors factory wired on all models
- Compressor Sound Jacket standard

EASY TO INSTALL AND SERVICE

- Comfort Alert™ Diagnostics device on all models
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

WARRANTY*

- 1 year No Hassle Replacement™ limited warranty
- 5 year compressor limited warranty
- 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



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Part #	Mfg #	Description
40901318	N4A318GKD	Mainline 13 SEER 1.5T R410A Condenser
40901324	N4A324GKD	Mainline 13 SEER 2T R410A Condenser
40901330	N4A330GKD	Mainline 13 SEER 2.5T R410A Condenser
40901336	N4A336GKD	Mainline 13 SEER 3T R410A Condenser
40901342	N4A342GKD	Mainline 13 SEER 3.5T R410A Condenser
40901348	N4A348GKD	Mainline 13 SEER 4T R410A Condenser
40901360	N4A360GKD	Mainline 13 SEER 5T R410A Condenser

HXA6

HIGH EFFICIENCY UP TO 16 SEER AIR CONDITIONER ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® compressors on all models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil
- 48 and 60 models for higher SEER, lower capacity
- 49 and 61 models for higher capacity, lower SEER

PERFORMANCE

- 2-speed fan motors factory wired on all models
- Compressor Sound Jacket standard

EASY TO INSTALL AND SERVICE

- Comfort Alert™ Diagnostics device on all models
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

WARRANTY*

- 5 year No Hassle Replacement™ limited warranty
- 5 year compressor limited warranty
- 5 year parts limited warranty (including compressor and coil)
- With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



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This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

Part #	Mfg #	Description
40900518	HXA618GKA	Mainline High Efficiency 1.5T R410A Condenser
40900524	HXA624GKA	Mainline High Efficiency 2T R410A Condenser
40900530	HXA630GKA	Mainline High Efficiency 2.5T R410A Condenser
40900536	HXA636GKA	Mainline High Efficiency 3T R410A Condenser
40900542	HXA642GKA	Mainline High Efficiency 3.5T R410A Condenser
40900548	HXA648GKA	Mainline High Efficiency 4T R410A Condenser
40900560	HXA660GKA	Mainline High Efficiency 5T R410A Condenser

HSA6

UP TO 16 SEER SINGLE STAGE AIR CONDITIONER WITH OBSERVER™ COMMUNICATING CONTROL SYSTEM

1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® compressors on all models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer Wall Control (TSTAT0101SC)
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based Diagnostics with Observer communicating wall control
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

WARRANTY*

- 5 year No Hassle Replacement™ limited warranty
- 5 year parts limited warranty (including compressor and coil)
- With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



TSTAT0101SC
Recommended
(sold separately)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

Part #	Mfg #	Description
40901618	HSA618GKA	Mainline Single Stage 1.5T R410A Communicating Condenser
40901624	HSA624GKA	Mainline Single Stage 2T R410A Communicating Condenser
40901630	HSA630GKA	Mainline Single Stage 2.5T R410A Communicating Condenser
40901636	HSA636GKA	Mainline Single Stage 3T R410A Communicating Condenser
40901642	HSA642GKA	Mainline Single Stage 3.5T R410A Communicating Condenser
40901648	HSA648GKA	Mainline Single Stage 4T R410A Communicating Condenser
40901660	HSA660GKA	Mainline Single Stage 5T R410A Communicating Condenser

HCA7

HIGH EFFICIENCY UP TO 17 SEER TWO-STAGE AIR CONDITIONER WITH OBSERVER™ COMMUNICATING CONTROL SYSTEM

2 THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® UltraTech® compressors on all models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- High and low pressure switches
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer Wall Control (TSTAT0101SC)
- Outdoor temperature sensor factory installed
- Ball bearing PSC fan motors on all models
- High performance compressor sound shield standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer communicating wall control
- Only 2 control wires required from communicating indoor unit to condenser
- Easy access service valves on all models
- Innovative control box design
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

WARRANTY*

- 10 year No Hassle Replacement™ limited warranty
- 5 year parts limited warranty (including compressor and coil)
- With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



TSTAT0101SC
Recommended
(sold separately)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment.

Part #	Mfg #	Description
40901724	HCA724GKA	Mainline Two Stage 2T R410A Communicating Condenser
40901736	HCA736GKA	Mainline Two Stage 3T R410A Communicating Condenser
40901748	HCA748GKA	Mainline Two Stage 4T R410A Communicating Condenser
40901760	HCA760GKA	Mainline Two Stage 5T R410A Communicating Condenser

HCA9

HIGH EFFICIENCY UP TO 19 SEER TWO-STAGE AIR CONDITIONER WITH OBSERVER™ COMMUNICATING CONTROL SYSTEM

2 THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® UltraTech® compressors on all models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- High and low pressure switches
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer Wall Control (TSTAT0101SC)
- Outdoor temperature sensor factory installed
- Ball bearing ECM fan motors on all models
- High performance compressor sound shield standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer Communicating Wall Control
- Only 2 control wires required from communicating indoor unit to condenser
- Easy access service valves on all models
- Innovative control box design
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

WARRANTY*

- 10 year No Hassle Replacement™ limited warranty
- 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



TSTAT0101SC
Recommended
(sold separately)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment.

Part #	Mfg #	Description
40901924	HCA924GKA	Mainline Two Stage 2T R410A Communicating Condenser
40901936	HCA936GKA	Mainline Two Stage 3T R410A Communicating Condenser
40901948	HCA948GKA	Mainline Two Stage 4T R410A Communicating Condenser
40901960	HCA960GKA	Mainline Two Stage 5T R410A Communicating Condenser

N4H3

EFFICIENT 13 SEER HEAT PUMP ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier included for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Copper tube / aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 2" (51mm) spacing standard, alternate models available with 3/8" (10mm) spacing for extra protection (hail guard)

WARRANTY*

- 5 year compressor limited warranty
 - 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)
- * Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Part #	Mfg #	Description
43200318	N4H318AKE	Entry 13 SEER 1.5T R410A Heat Pump
43200324	N4H324AKE	Entry 13 SEER 2T R410A Heat Pump
43200330	N4A330AKE	Entry 13 SEER 2.5T R410A Heat Pump
43200336	N4H336AKE	Entry 13 SEER 3T R410A Heat Pump
43200342	N4H342AKE	Entry 13 SEER 3.5T R410A Heat Pump
43200348	N4H348AKE	Entry 13 SEER 4T R410A Heat Pump
43200360	N4H360AKB	Entry 13 SEER 5T R410A Heat Pump

NXH5

HIGH EFFICIENCY UP TO 15 SEER HEAT PUMP ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier included for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Copper tube / aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy Access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)

WARRANTY*

- 5 year compressor limited warranty
 - 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)
- * Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



Use of the AHR Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahrdirectory.org.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment.

Part #	Mfg #	Description
43300518	NXH518GKA	Entry High Efficiency 1.5T R410A Heat Pump
43300524	NXH524GKA	Entry High Efficiency 2T R410A Heat Pump
43300530	NXH530GKA	Entry High Efficiency 2.5T R410A Heat Pump
43300537	NXH537GKA	Entry High Efficiency 3T R410A Heat Pump
43300542	NXH542GKA	Entry High Efficiency 3.5T R410A Heat Pump
43300548	NXH548GKA	Entry High Efficiency 4T R410A Heat Pump
43300560	NXH560GKA	Entry High Efficiency 5T R410A Heat Pump

H4H3

EFFICIENT 13 SEER HEAT PUMP ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier included for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Copper tube / aluminum fin coil

PERFORMANCE

- Two-speed fan motors factory wired on all models
- Compressor Sound Jacket standard

EASY TO INSTALL AND SERVICE

- Comfort Alert™ Diagnostics device on all models
- Easy access service valves on all models
- Innovative control box design
- External high and low refrigerant service ports
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

WARRANTY*

- 1 year No Hassle Replacement™ limited warranty
 - 5 year compressor limited warranty
 - 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)
- * Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Part #	Mfg #	Description
43500318	H4H318GKA	Mainline 13 SEER 1.5T R410A Heat Pump
43500324	H4H324GKA	Mainline 13 SEER 2T R410A Heat Pump
43500330	H4H330GKE	Mainline 13 SEER 2.5T R410A Heat Pump
43500336	H4H336GKE	Mainline 13 SEER 3T R410A Heat Pump
43500342	H4H342GKE	Mainline 13 SEER 3.5T R410A Heat Pump
43500348	H4H348GKE	Mainline 13 SEER 4T R410A Heat Pump
43500360	H4H360GKD	Mainline 13 SEER 5T R410A Heat Pump

HXH5

HIGH EFFICIENCY UP TO 15 SEER HEAT PUMP ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier included for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Copper tube / aluminum fin coil

PERFORMANCE

- 2-speed Fan Motors factory wired on all models
- Compressor Sound Jacket standard

EASY TO INSTALL AND SERVICE

- Comfort Alert™ Diagnostics device on all models
- Easy access service valves on all models
- Innovative control box design
- External high and low refrigerant service ports
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

WARRANTY*

- 5 year No Hassle Replacement™ limited warranty
- 5 year compressor limited warranty
- 5 year parts limited warranty (including compressor and coil)
- With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Part #	Mfg #	Description
43500518	HSH518GKA	Mainline Single Stage 1.5T R410A Communicating HP
43600624	HXH524GKA	Mainline High Efficiency 2T R410A Heat Pump
43600630	HXH530GKA	Mainline High Efficiency 2.5T R410A Heat Pump
43600637	HXH537GKA	Mainline High Efficiency 3T R410A Heat Pump
43600642	HXH542GKA	Mainline High Efficiency 3.5T R410A Heat Pump
43600648	HXH548GKA	Mainline High Efficiency 4T R410A Heat Pump
43600660	HXH560GKA	Mainline High Efficiency 5T R410A Heat Pump

HSH5

UP TO 15 SEER SINGLE STAGE HEAT PUMP WITH OBSERVER™ COMMUNICATING CONTROL SYSTEM

1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- External high and low refrigerant service ports
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer wall control (TSTAT0101SC)
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer communicating wall control
- Easy access service valves on all models
- Innovative control box design
- High and low pressure switches
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

WARRANTY*

- 5 year No Hassle Replacement™ limited warranty
- 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)



TSTAT0101SC
Recommended
(sold separately)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



Part #	Mfg #	Description
43500518	HSR518GKA	Mainline Single Stage 1.5T R410A Communicating HP
43500524	HSR524GKA	Mainline Single Stage 2T R410A Communicating HP
43500530	HSR530GKA	Mainline single Stage 2.5T R410A Communicating HP
43500536	HSR536GKA	Mainline Single Stage 3T R410A Communicating HP
43500542	HSR542GKA	Mainline Single Stage 3.5T R410A Communicating HP
43500548	HSR548GKA	Mainline Single Stage 4T R410A Communicating HP
43500560	HSR560GKA	Mainline Single Stage 5T R410A Communicating HP

HCH6

HIGH EFFICIENCY UP TO 16 SEER TWO-STAGE HEAT PUMP WITH OBSERVER™ COMMUNICATING CONTROL SYSTEM

2 THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® UltraTech® compressors on all models
- Crankcase heater factory installed
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Discharge gas thermostat
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer Wall Control (TSTAT0101SC)
- Outdoor temperature sensor factory installed
- Ball bearing PSC fan motors on all models
- High performance compressor sound shield standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based Diagnostics with Observer communicating wall control
- Only two control wires required from communicating indoor unit to condenser
- Easy Access service valves on all models
- Innovative control box design
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

WARRANTY*

- 10 year No Hassle Replacement™ limited warranty
- 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



TSTAT0101SC
Recommended
(sold separately)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

Part #	Mfg #	Description
43600724	HCH624GKA	Mainline Two Stage 2T R410A Communicating HP
43600736	HCH636GKA	Mainline Two Stage 3T R410A Communicating HP
43600748	HCH648GKA	Mainline Two Stage 4T R410A Communicating HP
43600760	HCH660GKA	Mainline Two Stage 5T R410A Communicating HP

HCH9

HIGH EFFICIENCY UP TO 19 SEER TWO-STAGE HEAT PUMP WITH OBSERVER™ COMMUNICATING CONTROL SYSTEM

2 THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll® UltraTech® compressors on all models
- Crankcase heater factory installed
- Suction line accumulator factory installed
- Bi-flow filter-drier supplied with every unit for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Discharge gas thermostat
- Copper tube/aluminum fin coil

PERFORMANCE

- Communicating, self-configuring operation when used with Observer Wall Control (TSTAT0101SC)
- Outdoor temperature sensor factory installed
- Ball bearing ECM fan motors on all models
- High performance compressor sound shield standard
- Isolation compressor grommets

EASY TO INSTALL AND SERVICE

- Text based diagnostics with Observer communicating wall control
- Only two control wires required from communicating indoor unit to condenser
- Easy access service valves on all models
- Innovative control box design
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner Posts for extra strength and style

WARRANTY*

- 10 year No Hassle Replacement™ limited warranty
- 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



TSTAT0101SC
Recommended
(sold separately)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

Part #	Mfg #	Description
43600924	HCH924GKA	Mainline Two Stage 2T R410A Communicating HP
43600936	HCH936GKA	Mainline Two Stage 3T R410A Communicating HP
43600948	HCH948GKA	Mainline Two Stage 4T R410A Communicating HP
43600960	HCH960GKA	Mainline Two Stage 5T R410A Communicating HP

R4A3

EFFICIENT 13 SEER AIR CONDITIONER ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Copper tube/aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Pre-painted cabinet finish over galvanized steel
- Post-painted (black) coil fins
- Coated inlet grille with 2" (51mm) spacing standard, alternate models available with 3/8" (10mm) spacing for extra protection (hail guard)

WARRANTY*

- 5 year compressor limited warranty
- 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Part #	Mfg #	Description
40200318	R4A318AKA	Efficient 13 SEER AC 1.5T R410A
40200324	R4A324AKA	Efficient 13 SEER AC 2T R410A
40200330	R4A330AKA	Efficient 13 SEER AC 2.5T R410A
40200336	R4A336AKA	Efficient 13 SEER AC 3T R410A
40200342	R4A342AKA	Efficient 13 SEER AC 3.5T R410A
40200348	R4A348AKA	Efficient 13 SEER AC 4T R410A
40200360	R4A360AKA	Efficient 13 SEER AC 5T R410A

END4X

VERTICAL EVAPORATOR COILS CASED N-COILS

1½ THRU 5 TONS

ENVIRONMENTALLY SOUND R-410A SYSTEMS

- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- Cabinet widths match flush with ICP 14-3/16", 17-1/2", 21" and 24-1/2" gas furnace cabinets (field fabricated transitions required to match other ICP furnace models)
- Removable front access panel
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, pre-painted steel cabinet
- Upflow or downflow installation
- Compact design, shorter than comparable A-coils
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

WARRANTY*

- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty
- * Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



Use of the AHR1 Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahr1directory.org.

Part #	Mfg #	Description
4400030180	END4X18L14A	Vertical 1.5T Cased R410A "N" Coil
4400030240	END4X24L14A	Vertical 2T Cased R410A "N" Coil
4400030241	END4X24L17A	Vertical 2T Cased R410A "N" Coil
4400030300	END4X30L14A	Vertical 2.5T Cased R410A "N" Coil
4400030301	END4X30L17A	Vertical 2.5 Cased R410A "N" Coil
4400030310	END4X31L17A	Vertical 2.5T Cased R410A "N" Coil
4400030360	END4X36L17A	Vertical 3T Cased R410A "N" Coil
4400030361	END4X36L21A	Vertical 3T Cased R410A "N" Coil
4400030370	END4X37L17A	Vertical 3T Cased R410A "N" Coil

Part #	Mfg #	Description
4400030420	END4X42L17A	Vertical 3.5T Cased R410A "N" Coil
4400030421	END4X42L21A	Vertical 3.5T Cased R410A "N" Coil
4400030430	END4X43L24A	Vertical 3.5T Cased R410A "N" Coil
4400030480	END4X48L21A	Vertical 4T Cased R410A "N" Coil
4400030481	END4X48L24A	Vertical 4T Cased R410A "N" Coil
4400030600	END4X60L24A	Vertical 5T Cased R410A "N" Coil
4400030610	END4X61L24A	Vertical 5T Cased R410A "N" Coil
4400030700	ENW4X60L24A	Vertical 5T Cased R410A "N" Coil

EAM4X

MULTI-POSITION EVAPORATOR COILS CASED A-COILS

1-1/2 THRU 5 TONS

- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- TXV and manifold positioned to the side for easier cleaning
- Innovative drain pan design for complete water removal
- Two condensate drain connections (additional two for horizontal installation)
- 2-piece delta plate for easier removal and cleaning
- Cabinet widths match flush with ICP gas furnaces
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, 22 gauge, pre-painted steel cabinet
- Multiposition installation - upflow, downflow, or horizontal
- Available for R-410A
- One or two UV light knock-outs provided on cabinet (depending on size)
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

WARRANTY*

- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty
- * Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Part #	Mfg #	Description
4400061814	EAM4X18L14A	1.5T Multi-position R410A Cased "A" Coil
4400062414	EAM4X24L14A	2T Multi-position R410A Cased "A" Coil
4400062417	EAM4X24L17A	2T Multi-position R410A Cased "A" Coil
4400063014	EAM4X30L14A	2.5T Multi-position R410A Cased "A" Coil
4400063017	EAM4X30L17A	2.5T Multi-position R410A Cased "A" Coil
4400063614	EAM4X36L14A	3T Multi-position R410A Cased "A" Coil
4400063617	EAM4X36L17A	3T Multi-position R410A Cased "A" Coil
4400063621	EAM4X36L21A	3T Multi-position R410A Cased "A" Coil
4400064221	EAM4X42L21A	3.5T Multi-position R410A Cased "A" Coil
4400064224	EAM4X42L24A	3.5T Multi-position R410A Cased "A" Coil
4400064817	EAM4X48L17A	4T Multi-position R410A Cased "A" Coil
4400064821	EAM4X48L21A	4T Multi-position R410A Cased "A" Coil
4400064824	EAM4X48L24A	4T Multi-position R410A Cased "A" Coil
4400066021	EAM4X60L21A	5T Multi-position R410A Cased "A" Coil
4400066024	EAM4X48L24A	5T Multi-position R410A Cased "A" Coil

EMA4X

COILS for MANUFACTURED HOUSING

2, 3 and 4 TONS

ENVIRONMENTALLY SOUND R-410A SYSTEMS

FEATURES

- Designed for mobile home downflow gas furnaces
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- “N” evaporator design to keep height at a minimum
- Shipped with condensate drain hose and trap
- Shipped with fittings and adapter plates
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

WARRANTY*

- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty
- * Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Part #	Mfg #	Description
4380008024	EMA4X24DAL	2T Coil for Manufactured Housing
4380008036	EMA4X36DAL	3T Coil for Manufactured Housing
4380008048	EMA4X48DAL	4T Coil for Manufactured Housing

ENH4X

HORIZONTAL EVAPORATOR COILS CASED N-COILS

2 THRU 5 TONS

ENVIRONMENTALLY SOUND R-410A SYSTEMS

- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- Cabinet widths match flush with ICP 17-1/2", 21" and 24-1/2" gas furnace cabinets (field fabricated transitions required to match other ICP furnace models)
- Removable front access panel
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, pre-painted steel cabinet
- Horizontal installation
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

WARRANTY*

- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty
- * Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Part #	Mfg #	Description
4400040240	ENH4X24L17A	2T Horizontal R410A Cased "N" Coil
4400040300	ENH4X30L17A	2.5T Horizontal R410A Cased "N" Coil
4400040360	ENH4X36L17A	3T Horizontal R410A Cased "N" Coil
4400040420	ENH4X42L21A	3.5T Horizontal R410A Cased "n" Coil
4400040480	ENH4X48L21A	4T Horizontal R410A Cased "N" Coil
4400040600	ENH4X60L24A	5T Horizontal R410A Cased "N" Coil

EDM4X

CASED MULTIPOSITION A-COILS

1½ THRU 5 TONS

ENVIRONMENTALLY SOUND R-410A SYSTEMS

Widths match 15-1/2, 19-1/4, 22-3/4, 24-1/2 ICP gas furnaces

FEATURES

- Removable front access panel
- Easy slide-out coil for inspection
- Two UV light knock-outs provided on cabinet
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Multiposition installation - upflow, downflow, or horizontal
- Sturdy, 22 gauge, pre-painted steel cabinet
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

COIL FEATURES

- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- TXV and manifold positioned to the side for easier cleaning
- Innovative drain pan design for complete water removal
- Two condensate drain connections
- Two-piece delta plate for easier removal and cleaning

WARRANTY*

- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty
- * Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Part #	Mfg #	Description
440002180	EDM4X18BAL	Multi-position 1.5T Cased R410A Coil
440002240	EDM4X24BAL	Multi-position 2T Cased R410A Coil
440002241	EDM4X24FAL	Multi-position 2T Cased R410A Coil
440002300	EDM4X30BAL	Multi-position 2.5T Cased R410A Coil
440002301	EDM4X30FAL	Multi-position 2.5T Cased R410A Coil
440002360	EDM4X36BAL	Multi-position 3T Cased R410A Coil
440002361	EDM4X36FAL	Multi-position 3T Cased R410A Coil
440002362	EDM4X36JAL	Multi-position 3T Cased R410A Coil

Part #	Mfg #	Description
440002420	EDM4X42FAL	Multi-position 3.5T Cased R410A Coil
440002421	EDM4X42JAL	Multi-position 3.5T Cased R410A Coil
440002422	EDM4X42LAL	Multi-position 3.5T Cased R410A Coil
440002480	EDM4X48FAL	Multi-position 4T Cased R410A Coil
440002481	EDM4X48JAL	Multi-position 4T Cased R410A Coil
440002482	EDM4X48IAL	Multi-position 4T Cased R410A Coil
440002600	EDM4X60JAL	Multi-position 5T Cased R410A Coil
440002601	EDM4X60LAL	Multi-position 5T Cased R410A Coil

FEM4P

FAN COILS 1½ THRU 4 TONS ENVIRONMENTALLY SOUND R-410A SYSTEMS

- Factory installed piston metering device with Teflon ring
- High efficiency ECM, 5-speed motor
- Copper tube/aluminum fin coil on standard models
- Available with industry exclusive tin coated copper main tubing for additional corrosion protection (identified with "T" at end of model number)
- Sweat connections
- Primary and secondary drain fittings with brass inserts
- Low voltage circuit protective fuse (3 amp) inline on wire harness
- Multiple electrical entry locations
- Time delay relay (TDR)
- Field installed heater packages from 5 kW – 30 kW available separately
- 208/230–1–60 supply voltage
- Units tested and certified by manufacturer to achieve a 2% or less leakage rate at 1.0 inch water column
- 1 inch thick insulation with R value of 4.2
- Multiposition installation – upflow or horizontal left standard, horizontal right with minor modification (field convertible to downflow with available accessory kit)
- No Heat (Plug) Kit factory installed
- Filter (washable) available as accessory
- HUD approved for manufactured housing



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

WARRANTY*

- 1 year No Hassle Replacement™ limited warranty
- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.

Part #	Mfg #	Description
4100100100	FEM4P1800A	Multi-position 1.5T R410A Air Handler
4100100118	FEM4P2400A	Multi-position 2T R410A Air Handler
4100100130	FEM4P3000A	Multi-position 2.5T R410A Air Handle
4100100136	FEM4P3600A	Multi-position 3T R410A Air Handler
4100100142	FEM4P4200A	Multi-position 3.5T R410A Air Handler
4100100148	FEM4P4800A	Multi-position 4T R410A Air Handler
4100100160	FEM4X6000B	Multi-position 5T R410A Air Handler

FXM4X

FAN COILS

1½ THRU 5 TONS

ENVIRONMENTALLY SOUND R-410A SYSTEMS

- TXV metering device factory installed
- High efficiency ECM 5-speed motor
- Copper tube/aluminum fin coil on standard models
- Available with industry exclusive tin coated copper main tubing for additional corrosion protection (identified with "T" at end of model number)
- Sweat connections
- Primary and secondary drain fittings with brass inserts
- 3 amp automotive type fuse in wire harness
- Multiple electrical entry locations
- Time delay relay (TDR) programmed in motor
- Field installed heater packages from 5 kW – 30 kW available separately
- HUD approved for manufactured housing
- 208/230-1-60 supply voltage
- Units tested and certified by manufacturer to achieve a 2% or less leakage rate at 1.0 inch water column
- 1 inch thick insulation with R value of 4.2
- Multiposition installation – upflow or horizontal left standard, horizontal right with minor modification (field convertible to downflow with available accessory kit)
- No Heat (Plug) Kit factory installed
- Filter (washable) factory supplied



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

WARRANTY*

- 5 year No Hassle Replacement™ limited warranty
- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.

Part #	Mfg #	Description
4100171800	FXM4X1800A	Multi-position ECM 1.5T R410A Air Handler
4100172400	FXM4X2400A	Multi-position ECM 2T R410A Air Handler
4100173000	FXM4X3000A	Multi-position ECM 2.5T R410A Air Handler
4100173600	FXM4X3600A	Multi-position ECM 3T R410A Air Handler
4100174200	FXM4X4200A	Multi-position ECM 3.5T R410A Air Handler
4100174800	FXM4X4800A	Multi-position ECM 4T R410A Air Handler
4100176000	FXM4X6000A	Multi-position ECM 5T R410A Air Handler

FVM4X

VARIABLE SPEED FAN COILS

- 2, 3, 4, and 5 TONS
- Supports two-stage outdoor units
- Available for Environmentally Sound R-410A systems
- Bolt-on, hard shut-off TXV metering device factory installed on all models
- Copper tube/aluminum fin coil on standard models
- Available with industry exclusive tin coated copper main tubing for additional corrosion protection
- Sweat connections
- Primary and secondary drain fittings with brass inserts
- Time delay relay (TDR)
- Field installed heater packages from 5 kW – 30 kW available separately
- HUD approved for manufactured housing
- 208/230-1-60 supply voltage
- Multiposition installation – upflow or horizontal left standard, horizontal right with minor modification (field convertible to downflow with accessory kits)
- Filter (washable) factory supplied
- Heat staging option
- Dehumidification function with standardized logic
- 1 inch (25mm) thick insulation with R value of 4.2

PERFORMANCE

- Variable speed ECM motor on all models
- Adjustable cooling and heating ON/OFF delay
- Heat Pump Comfort option to provide higher than normal heating air delivery temperature
- Units tested and certified by manufacturer to achieve a 2% or less leakage rate at 1.0 inch water column

EASY TO INSTALL AND SERVICE

- Multiple electrical entry locations
- TXV and manifold positioned to the side for easier cleaning
- Zero clearance without heaters

WARRANTY*

- 10 year No Hassle Replacement™ limited warranty
- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



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Part #	Mfg #	Description
4100100524	FVM4X2400A	2T R410A Variable Speed Fan Coil
4100100536	FVM4X3600A	3T R410A Variable Speed Fan Coil
4100100548	FVM4X4800A	4T R410A Variable Speed Fan Coil
4100100560	FVN4X6000A	5T R410A Variable Speed Fan Coil

FCM4X

FAN COILS WITH OBSERVER™ COMMUNICATING CONTROL SYSTEM

Smart Diagnostics

- Easier troubleshooting, providing faster service and repair

Environmentally-Sound Refrigerant Technology

- R-410A refrigerant the chlorine-free non-ozone depleting refrigerant
- Thermostatic Expansion Valve (TXV) designed to maximize performance with R-410A refrigerant

Energy Efficient Operation

- Variable speed ECM Motor operates efficiently at all speeds
- Ultra-low power consumption during fan only operation

Airflow Technology

- High duct static capability
- Unique cabinet design that meets new stringent regulations for air leakage. Meets requirements of a 2% cabinet leakage rate when tested at 1.0 in wc of static pressure

Condensate Control and Disposal Technology

- Minimal standing water – less microbial growth for improved IAQ and reduced condensate line clogging and related condensate leakage
- Tested for condensate disposal at conditions much more severe than those required by AHRI
- Primary and secondary drain connections to comply with HUD
- All pans constructed of an injection molded glass-filled polycarbonate engineered resin material, with brass drain connections

Heat Transfer Technology

- Bi-flow hard-shutoff TXV metering device
- Tin-coated copper evaporator tubes

Ease of Installation and Service Features

- Easy four wire hook up: reduces installation time
- Multi-position installation
- Modular cabinet on 5 ton model
- Sweat connections for leak free service
- Low voltage terminal strip, to safely hold connections within the cabinet
- Inspection plate on A-coil models for quick coil cleanliness inspection
- Cabinet construction features innovations designed to prevent cabinet sweating

Controls and Electrical Features

- Easy plug connection provided for quick installation of accessory heater packages
- 40VA 208/230v transformer
- Replaceable 3-amp blade-type auto fuse protects against transformer secondary short

Filter Features

- Factory supplied filter with cleanable polyester filter media
- Filter “springs” out for easy access – no tools required

WARRANTY*

- 10 year No Hassle Replacement™ limited warranty
- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete detail



TSTAT0101SC
Recommended
(sold separately)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



Part #	Mfg #	Description
4100100202	FCM4X2400AT	Variable Speed ECM Communicating Control R410A 2T A/H
4100100203	FCM4X3600AT	Variable Speed ECM Communicating Control R410A 3T A/H

Part #	Mfg #	Description
4100100204	FCM4X4800AT	Variable Speed ECM Communicating Control R410A 4T A/H
4100100205	FCM4X6000AT	Variable Speed ECM Communicating Control R410A 5T A/H

MV

MODULAR VARIABLE SPEED BLOWER CABINET

2, 3, 4 and 5 TONS

FEATURES

- Variable speed modular blower
- Supports two-stage outdoor units
- Dehumidification Speed: 80% airflow
- Efficient low continuous fan selection: 50% airflow
- Upflow, horizontal right or left applications
- Downflow requires sub-base accessory
- Electronic fan control board
- Adjustable blower time delay
- Accepts accessory two stage outdoor thermostats
- Matches with AC and HP cased coils
- 208/230-1-60 supply voltage
- Requires a "NO HEAT KIT" if installed without electric heat
- Field installed electric heater packages from 5kW-25kW, single or three phase available separately

SERVICE

- Direct drive slide-out blower assembly

QUALITY

- Internally lined with 1/2 inch(12.7mm) insulation
- Thermosetting powder coated steel cabinet

WARRANTY*

- 5 year parts limited warranty

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Part #	Mfg #	Description
4100101424	MV080014C	Variable Speed 800 CFM Modular Blower
4100101436	MV120017C	Variable Speed 1200 CFM Modular Blower
4100102304	MV160021C	Variable Speed 1600 CFM Modular Blower
4100102360	MV200024C	Variable Speed 2000CFM Modular Blower

MF

MODULAR ELECTRIC FURNACE

2, 3, 4 and 5 TONS

FEATURES

- Modular blower cabinet, air conditioning or heat pump ready
- Upflow, horizontal right or left applications
- Downflow requires sub-base accessory
- Electronic fan control board
- Three speed PSC motor on all models
- Matches with AC and HP cased coils
- Accepts accessory two stage outdoor thermostats
- 208/230-1-60 supply voltage
- Requires a "NO HEAT KIT" if installed without electric heat
- Field installed electric heater packages from 5kW-25kW, single or three phase available separately

SERVICE

- Direct drive slide-out blower assembly

QUALITY

- Internally lined with 1/2 inch(12.7mm) insulation
- Thermosetting powder coated steel cabinet

WARRANTY*

- 5 year parts limited warranty

* Applies to original purchaser/homeowner, some limitations may apply.
See Warranty certificate for complete details.



Part #	Mfg #	Description
4100101202	MF080014C	800 CFM Modular Blower
4100101203	MF120017C	1200 CFM Modular Blower
4100101204	MF160021C	1600 CFM Modular Blower
4100101205	MF200024C	2000 CFM Modular Blower

HEAT STRIPS FOR FEM, FXM, AND FVM UNITS

Part #	Mfg #	Description
4100101307	EHK07AKB	7 kw Heat Strip For FEM, FXM & FVM Units
4100101310	EHK10AKB	10 kw Heat Strip For FEM, FXM & FVM Units
4100101315	EHK15AKB	15 kw Heat Strips For FEM, FXM & FVM Units
4100101320	EHK20AKB	20 kw Heat Strips For FEM, FXM & FVM Units
4100101325	EHK25AHCF	25 kw Heat Strips For FEM, FXM & FVM Units
4100101330	EHK25AHCF	30 kw Heat Strips For FEM, FXM & FVM Units

HEAT STRIPS FIR MF AND MV UNITS

Part #	Mfg #	Description
4100102307	EHIA07KB10	7 kw Heat Strip For MF & MV Units
4100102310	EHIA10KB10	10 kw Heat Strip For MF & MV Units
4100102315	EHIA15KB10	15 kw Heat Strips For MF & MV Units
4100102320	EHIA20KB10	20 kw Heat Strips For FF & MV Units
4100102325	EHIA25KB10	25 kw Heat Strips For MF & MV Units

HEAT STRIP FOR FCM UNITS

Part #	Mfg #	Description
4100100209	EHC09AKCN	9 kw Heat Strip for FCM Units
4100100215	EHC15AKB	15 kw Heat Strip for FCM Units
4100100220	EHC20AKB	20 kw Heat Strip for FCM Units
4100100225	EHC25AHCF	25 kw Heat Strip for FCM Units
4100100230	EHC30AHCF	30 kw Heat Strip for FCM Units

Depend
On Heil.®

N9MSE

95.5% AFUE, SINGLE STAGE, GAS FURNACE

EASIER TO SELL

- 95.5% AFUE, all models all positions, California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed
- Approved for twinning applications (0601714 through 1202420) with accessory (order separately)
- Approved for manufactured housing/mobile home applications with accessory (order separately)

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting, or ventilated combustion air
- 24 VAC humidifier terminal & electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Simplified, factory installed internal condensate drain system
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger and blower assembly

WARRANTY *

- 20 year heat exchanger limited warranty
- 5 year parts limited warranty
- With timely registration, an additional 5 year parts limited warranty

* Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.



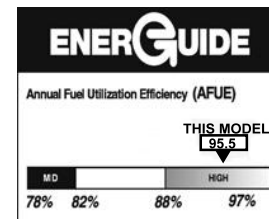
Illustrations and photographs are only representative. Some Product models may vary.

WARNING

CARBON MONOXIDE POISONING AND FIRE HAZARD
 Failure to follow this warning could result in personal injury, death, and/or property damage.
 This furnace is not designed for use in recreation vehicles or outdoors.
 Failure to follow this warning could result in personal injury, death, and/or property damage.



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Part #	Mfg #	Description
440002180	EDM4X18BAL	Multi-position 1.5T Cased R410A Coil
440002240	EDM4X24BAL	Multi-position 2T Cased R410A Coil
4210030402	N9MSE0401410A	95.5% Multi-position single stage 40M Gas Furnace
4210030602	N9MSE0601410A	95.5% Multi-position single stage 60M Gas Furnace
4210030603	N9MSE0601714A	95.5% Multi-position single stage 60M Gas Furnace
4210030804	N9MSE0801716A	95.5% Multi-position single stage 80M Gas Furnace

Part #	Mfg #	Description
4210030805	N9MSE0802120A	95.5% Multi-position single stage 80M Gas Furnace
4210031003	N9MSE1002114A	95.5% Multi-position single stage 100M Gas Furnace
4210031005	N9MSE1002120A	95.5% Multi-position single stage 100M Gas Furnace
4210031205	N9MSE1202420A	95.5% Multi-position single stage 120M Gas Furnace
4210031405	N9MSE1402420A	95.5% Multi-position single stage 140M Gas Furnace

N9MSB

92.1% AFUE, SINGLE STAGE, GAS FURNACE

EASIER TO SELL

- 92.1% AFUE, all models all positions, California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed
- Approved for twinning applications (0601714 through 1202422) with accessory (order separately)
- Approved for manufactured housing/mobile home applications with accessory (order separately)

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting, or ventilated combustion air
- 24 VAC humidifier terminal, electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Simplified, factory installed internal condensate drain system
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger and blower assembly

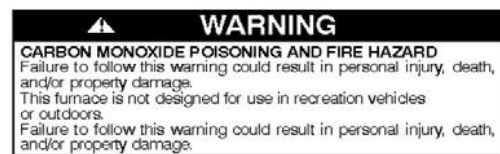
WARRANTY *

- 20 year heat exchanger limited warranty
- 5 year parts limited warranty
- With timely registration, an additional 5 year parts limited warranty

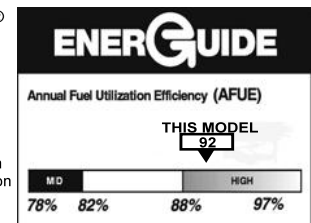
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Part #	Mfg #	Description
4210020402	N9MSB0401410B	92% Multi-position single stage 40M Gas Furnace
4210020602	N9MSB0601412B	92% Multi-position single stage 60M Gas Furnace
4210020603	N9MSB0601716B	92% Multi-position single stage 60M Gas Furnace
4210020804	N9MSB0801716B	92% Multi-position single stage 80M Gas Furnace

Part #	Mfg #	Description
4210020805	N9MSB0802120B	92% Multi-position single stage 80M Gas Furnace
4210021003	N9MSB1002116B	92% Multi-position single stage 100M Gas Furnace
4210021005	N9MSB1002122B	92% Multi-position single stage 100M Gas Furnace
4210021205	N9MSB1202422B	92% Multi-position single stage 120M Gas Furnace

G9MAE

Up to 98% AFUE COMMUNICATING, MODULATING GAS FURNACE

EASIER TO SELL

- 98% AFUE on G9MAE0602120, all positions
97% AFUE all other models, all positions
- All models have earned the ENERGY STAR®
- Modulating heating operation (40% - 100% capacity)
- Observer™ Communicating Control System
- Xtra SEER Variable Speed ECM blower motor
- Supports single- and two-stage cooling units
- Dehumidification feature in cooling
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed



TSTAT0101SC
Recommended
(sold separately)



Illustrations and photographs are only representative.
Some Product models may vary.

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor

QUIETER

- Operates at quieter, lower heating rates
- Variable speed induced draft combustion blower
- Variable speed ECM blower motor
- Insulated steel cabinet

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe) or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation and room for service
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory kit (order separately)
- Concentric vent available
- Simple troubleshooting of gas valve
- Self-configuring and communicating control
- Slide out heat exchanger assembly and blower assembly

WARRANTY *

- 10 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty
- With timely registration, an additional 5 year parts limited warranty

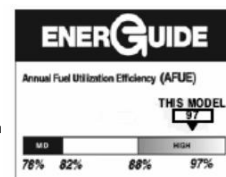
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WARNING

CARBON MONOXIDE POISONING AND FIRE HAZARD
Failure to follow this warning could result in personal injury, death, and/or property damage.
This furnace is not designed for use in recreation vehicles, manufactured (mobile) homes or outdoors.
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Part #	Mfg #	Description
4161071006	G9MAE0601714A	60M Communicating, Modulating Gas Furnace
4161071008	G9MAE0801714A	80M Communicating, Modulating Gas Furnace

Part #	Mfg #	Description
4161071010	G9MAE1002122A	100M Communicating, Modulating Gas Furnace
4161071020	G9MAE1202422A	120M Communicating, Modulating Gas Furnace

Missouri: St. Louis - Columbia - Festus - Jackson - Joplin - Springfield - St. Peters - Union - **Illinois:** Springfield - Swansea - **Kansas:** Kansas City

G9MVE

96% AFUE, COMMUNICATING, TWO-STAGE GAS FURNACE

EASIER TO SELL

- 96% AFUE, all models, all positions
- All models have earned the ENERGY STAR®
- Two-stage heating operation
- Observer™ Communicating Control System
- Xtra SEER Variable speed ECM blower motor
- Supports single- and two-stage cooling units
- Dehumidification feature in cooling
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor

QUIETER

- Operates at quieter, lower heating rates
- Two-speed induced draft combustion blower
- Variable speed ECM blower motor
- Insulated steel cabinet

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Self-configuring and communicating control
- Concentric vent available
- Slide out heat exchanger assembly and blower assembly

WARRANTY *

- 10 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty

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TSTAT0101SC
Recommended
(sold separately)



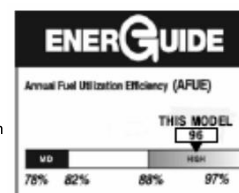
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Part #	Mfg #	Description
4120270040	G9MVE0401410A	96% 40M Communicating, Two Stage Gas Furnace
4120270060	G9MVE0601714A	96% 60M Communicating, Two Stage Gas Furnace
4120270080	G9MVE0801716A	96% 80M Communicating, Two Stage Gas Furnace

Part #	Mfg #	Description
4120270085	G9MVE0802120A	96% 80M Communicating, Two Stage Gas Furnace
4120270100	G9MVE1002120A	96% 100M Communicating, Two Stage Gas Furnace
4120270120	G9MVE1202422A	96% 120M Communicating, Two Stage Gas Furnace

Missouri: St. Louis - Columbia - Festus - Jackson - Joplin - Springfield - St. Peters - Union - **Illinois:** Springfield - Swansea - **Kansas:** Kansas City

Specifications Subject to Change Without Notice

Items included are those regularly stocked. We can special-order sizes and related items.

G9MXT

96% AFUE, TWO-STAGE, ECM GAS FURNACE

EASIER TO SELL

- 96% AFUE, all models, all positions
- All models have earned the ENERGY STAR®
- Two-stage heating operation
- Xtra SEER ECM blower motor
- Supports single- and two-stage cooling units
- Approved for twinning applications (0601714 through 1202420) with accessory (order separately)
- Dehumidification feature in cooling
- Electronic air cleaner terminal
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

QUIETER

- Operates at quieter, lower heating rates
- Two-speed induced draft combustion blower
- Insulated steel cabinet

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting, or ventilated combustion air
- 24 VAC humidifier terminal
- 35" (889mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger assembly and blower assembly

WARRANTY *

- 5 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty
- With timely registration, an additional 5 year parts limited warranty

* Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.



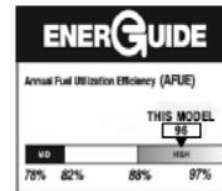
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Part #	Mfg #	Description
4161081040	F9MXE0401410A	96% 40M Communicating, Single Stage ECM Gas Furnace
4161081060	F9MXE0601714A	96% 60M Communicating, Single Stage ECM Gas Furnace
4161081080	F9MXE0801716A	96% 80M Communicating, Single Stage ECM Gas Furnace

Part #	Mfg #	Description
4161081085	F9MXE0802120A	96% 80M Communicating, Single Stage ECM Gas Furnace
4161081105	F9MXT1002120A	96% 100M Communicating, Single Stage ECM Gas Furnace
4161081120	F9MXE1202422A	96% 120M Communicating, Single Stage ECM Gas Furnace

Missouri: St. Louis - Columbia - Festus - Jackson - Joplin - Springfield - St. Peters - Union - **Illinois:** Springfield - Swansea - **Kansas:** Kansas City

G9MXE

96% AFUE, SINGLE STAGE, ECM GAS FURNACE

EASIER TO SELL

- 96% AFUE, all models all positions
- Select models earn the ENERGY STAR® (See below, indicated with check mark.)
- Xtra SEER ECM blower motor
- Supports single- and two-stage cooling units
- Approved for twinning applications (0601714 through 1202420) with accessory (order separately)
- Approved for manufactured housing/mobile home applications with accessory (order separately)
- Dehumidification feature in cooling
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

QUIETER

- Insulated blower compartment

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting, or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger and blower assembly

WARRANTY *

- 1 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty

* Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.



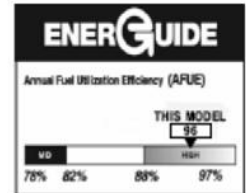
Illustrations and photographs are only representative. Some Product models may vary.

WARNING

CARBON MONOXIDE POISONING AND FIRE HAZARD
 Failure to follow this warning could result in personal injury, death, and/or property damage.
 This furnace is not designed for use in recreation vehicles or outdoors.
 Failure to follow this warning could result in personal injury, death, and/or property damage.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



Part #	Mfg #	Description
4161080041	G9MXE0401410A	96% 40M Single Stage ECM Gas Furnace
4161080060	G9MXE0601714A	96% 60M Single Stage ECM Gas Furnace
4161080080	G9MXE0801716A	96% 80M Single Stage ECM Gas Furnace

Part #	Mfg #	Description
4161080085	G9MXE0802120A	96% 80M Single Stage ECM Gas Furnace
4161080105	G9MXE1002120A	96% 100M Single Stage ECM Gas Furnace
4161080120	G9MXE1202422A	96% 120M Single Stage ECM Gas Furnace

Missouri: St. Louis - Columbia - Festus - Jackson - Joplin - Springfield - St. Peters - Union - **Illinois:** Springfield - Swansea - **Kansas:** Kansas City

Specifications Subject to Change Without Notice

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Items included are those regularly stocked. We can special-order sizes and related items.

F9MAE

Up to 98% AFUE COMMUNICATING, MODULATING GAS FURNACE

EASIER TO SELL

- 98% AFUE on F9MAE0602120, all positions
97% AFUE all other models, all positions
- Modulating heating operation (40% - 100% capacity)
- Observer™ Communicating Control System
- Xtra SEER variable speed ECM blower motor
- Supports single- and two-stage cooling units
- Dehumidification feature in cooling
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed



TSTAT0101SC
Recommended
(sold separately)



Illustrations and photographs are only representative. Some Product models may vary.

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor

QUIETER

- Operates at quieter, lower heating rates
- Variable speed induced draft combustion blower
- Variable speed ECM blower motor
- Insulated steel cabinet

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe) or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation and room for service
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory kit (order separately)
- Concentric vent available
- Simple troubleshooting of gas valve
- Self-configuring and communicating control
- Slide out heat exchanger assembly and blower assembly

WARRANTY *

- 10 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty
- With timely registration, an additional 5 year parts limited warranty

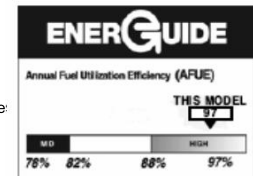
* Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.

WARNING

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Part #	Mfg #	Description
4161071206	F9MAE0601714A	60M Communicating, Modulating Gas Furnace
4161071208	F9MAE0801714A	80M Communicating, Modulating Gas Furnace

Part #	Mfg #	Description
4161071210	F9MAE1002122A	100M Communicating, Modulating Gas Furnace
4161071220	F9MAE1202422A	120M Communicating, Modulating Gas Furnace

96% AFUE, COMMUNICATING, TWO-STAGE GAS FURNACE

EASIER TO SELL

- 96% AFUE, all models, all positions
- All models have earned the ENERGY STAR®
- Two-stage heating operation
- Observer™ Communicating Control System
- Xtra SEER Variable speed ECM blower motor
- Supports single- and two-stage cooling units
- Dehumidification feature in cooling
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed



TSTAT0101SC
Recommended
(sold separately)



Illustrations and photographs are only representative. Some Product models may vary.

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor

QUIETER

- Operates at quieter, lower heating rates
- Two-speed induced draft combustion blower
- Variable speed ECM blower motor
- Insulated steel cabinet

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Self-configuring and communicating control
- Concentric vent available
- Slide out heat exchanger assembly and blower assembly

WARRANTY *

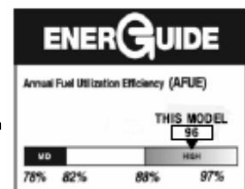
- 10 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty
- With timely registration, an additional 5 year parts limited warranty

* Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.

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Part #	Mfg #	Description
4120271040	F9MVE0401410A	96% 40M Communicating, Two Stage Gas Furnace
4120271060	F9MVE0601714A	96% 60M Communicating, Two Stage Gas Furnace
4120271080	F9MVE0801716A	96% 80M Communicating, Two Stage Gas Furnace

Part #	Mfg #	Description
4120271085	F9MVE0802120A	96% 80M Communicating, Two Stage Gas Furnace
4120271100	F9MVE1002120A	96% 100M Communicating, Two Stage Gas Furnace
4120271120	F9MVE1202422A	96% 120M Communicating, Two Stage Gas Furnace

96% AFUE, TWO-STAGE, ECM GAS FURNACE

EASIER TO SELL

- 96% AFUE, all models, all positions
- All models have earned the ENERGY STAR®
- Two-stage heating operation
- Xtra SEER ECM blower motor
- Supports single- and two-stage cooling units
- Approved for Twinning applications (0601714 through 1202422) with accessory (order separately)
- Dehumidification feature in cooling
- Electronic air cleaner terminal
- California NOx approved
- Certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

QUIETER

- Operates at quieter, lower heating rates
- Two-speed induced draft combustion blower
- Insulated steel cabinet

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting, or ventilated combustion air
- 24 VAC humidifier terminal
- 35" (889mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger assembly and blower assembly

WARRANTY *

- 5 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty
- With timely registration, an additional 5 year parts limited warranty

* Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.



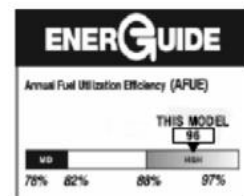
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Part #	Mfg #	Description
4120261400	F9MXT0401410A	96% 40M Communicating, Two Stage ECM Gas Furnace
4120261600	F9MXT0601714A	96% 60M Communicating, Two Stage ECM Gas Furnace
4120261800	F9MXT0801716A	96% 80M Communicating, Two Stage ECM Gas Furnace

Part #	Mfg #	Description
4120261805	F9MXT0802120A	96% 80M Communicating, Two Stage ECM Gas Furnace
4120262005	F9MXT1002120A	96% 100M Communicating, Two Stage ECM Gas Furnace
4120262200	F9MXT1202422A	96% 120M Communicating, Two Stage ECM Gas Furnace

F9MXE

96% AFUE, SINGLE STAGE, ECM GAS FURNACE

EASIER TO SELL

- 96% AFUE, all models all positions
- Select models earn the ENERGY STAR® (See below, indicated with check mark.)
- Xtra SEER ECM blower motor
- Supports single- and two-stage cooling units
- Approved for Twinning applications (0601714 through 1202422) with accessory (order separately)
- Approved for Manufactured Housing/Mobile Home applications with accessory (order separately)
- Dehumidification feature in cooling
- California NOx approved
- Certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

TOUGHER

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

QUIETER

- Insulated blower compartment

EASIER TO INSTALL AND SERVICE

- Direct vent (2-pipe), single-pipe venting, or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger and blower assembly

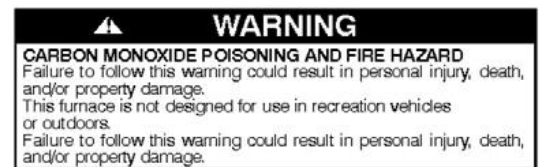
WARRANTY *

- 1 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty

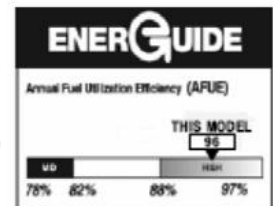
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Part #	Mfg #	Description
4161081040	F9MXE0401410A	96% 40M Communicating, Single Stage ECM Gas Furnace
4161081060	F9MXE0601714A	96% 60M Communicating, Single Stage ECM Gas Furnace
4161081080	F9MXE0801716A	96% 80M Communicating, Single Stage ECM Gas Furnace

Part #	Mfg #	Description
4161081085	F9MXE0802120A	96% 80M Communicating, Single Stage ECM Gas Furnace
4161081105	F9MXE1002120A	96% 100M Communicating, Single Stage ECM Gas Furnace
4161081120	F9MXE1202422A	96% 120M Communicating, Single Stage ECM Gas Furnace

PGS3

13 SEER PACKAGE GAS/ELECTRIC, 2 to 5 TONS

Single Phase, 208/230 V, 60 Hz

REFRIGERATION CIRCUIT

- Environmentally sound R-410A refrigerant
- Scroll compressor standard on all models
- All models with tin-coated copper evaporator coil standard
- Dehumidification mode (airflow reduction) on all models

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination gas heating and electric cooling
- Low NOx units available

BUILT TO LAST

- Hail guard (3/8" spacing) wire grilles standard
- Pre-painted steel cabinet
- Direct spark ignition
- High efficiency ECM indoor blower motor on all models
- Stainless steel tubular heat exchanger
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High and low pressure switches provide added reliability for the compressor

WARRANTY*

- 1 year No Hassle Replacement limited warranty
- Lifetime heat exchanger limited warranty
- 5 year parts limited warranty (including compressor and coils)
- With timely registration, an additional 5 year parts limited warranty (including compressor and coils)

See warranty certificate for complete details.

*Applies to original purchaser/homeowner, some limitations may apply.



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Part #	Mfg #	Description
4100172406	PGS324060KGP0C	2T 13 SEER Package Gas/Electric
4100173006	PGS330060KGP0C	2.5T 13 SEER Package Gas/Electric
4100173609	PGS336090KGP0C	3T SEER Package Gas/Electric
4100174209	PGS342090KGP0C	3.5T 13 SEER Package Gas/Electric
4100174815	PGS348115KGP0C	4T 13 SEER Package Gas/Electric
4100176013	PGS360130KGP0C	5T 13 SEER Package Gas/Electric

PGS4

14 SEER PACKAGE GAS/ELECTRIC, 2 to 5 TONS

Single Phase, 208/230 V, 60 Hz

REFRIGERATION CIRCUIT

- Environmentally sound R-410A refrigerant
- Scroll compressor standard on all models
- Dehumidification mode (airflow reduction) on all models
- All models with tin-coated copper evaporator coil standard

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination gas heating and electric cooling
- Low NOx units available

BUILT TO LAST

- Hail guard (3/8" spacing) wire grilles standard
- Induced-draft combustion and venting
- Direct spark ignition
- High efficiency ECM indoor blower motor on all models
- Stainless steel tubular heat exchanger
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High and low pressure switches provide added reliability for the compressor

WARRANTY*

- 5 year No Hassle Replacement limited warranty
 - Lifetime heat exchanger limited warranty
 - 5 year parts limited warranty (including compressor and coils)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coils)
- See warranty certificate for complete details.

*Applies to original purchaser/homeowner, some limitations may apply.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



As an Energy Star® Partner, International Comfort Products, LLC has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

Part #	Mfg #	Description
4100182406	PGS424060KGP0C	2T 14 SEER Package Gas/Electric
4100183006	PGS436090KGP0C	2.5T 14 SEER Package Gas/Electric
4100183609	PGS436090KGP0C	3T 14 SEER Package Gas/Electric
4100184209	PGS442090KGP0C	3.5T 14 SEER Package Gas/Electric
4100184815	PGS448115KGP0C	4T 14 SEER Package Gas/Electric
4100186013	PGS460130KGP0C	5T 14 SEER Package Gas/Electric

PHD4

14 SEER PACKAGE HEAT PUMP, 2 to 5 TONS

Single Phase, 208/230 V, 60 Hz

REFRIGERATION CIRCUIT

- Environmentally sound R-410A refrigerant
- Scroll compressor standard on all models
- Short-cycling protection for the compressor is built into the defrost control board
- Dehumidification mode (airflow reduction) on all models
- All models available with optional factory installed tin-coated copper evaporator coil (These models are identified with letters TP in the 11th and 12th positions in the model number)

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination electric heating and cooling

BUILT TO LAST

- Hail guard (3/8" spacing) wire grilles standard on PHD4**000KTP models (2" spacing wire grilles on non-tin models)
- Direct drive high efficiency ECM indoor blower motor on all models
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High and low pressure switches provide added reliability for the compressor

WARRANTY*

- 5 year No Hassle Replacement limited warranty for models with tin-coated copper evaporator coil.
- 5 year parts limited warranty (including compressor and coils)
- With timely registration, an additional 5 year parts limited warranty (including compressor and coils)

See warranty certificate for complete details.

*Applies to original purchaser/homeowner, some limitations may apply.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



As an Energy Star® Partner, International Comfort Products, LLC has determined that this product meets the ENERGY STAR® guidelines for energy

Part #	Mfg #	Description
4100192400	PHD424000KTP0D	2T 14 SEER Package Heat Pump
4100193000	PHD430000KTP0D	2.5T 14 SEER Package Heat Pump
4100193600	PHD436000KTP0D	3T 14 SEER Package Heat Pump
4100194200	PHD442000KTP0D	3.5T 14 SEER Package Heat Pump
4100194800	PHD448000KTP0D	4T 14 SEER Package Heat Pump
4100196000	PHD460000KTP0D	5T 14 SEER Package Heat Pump

PAJ3

13 SEER, R-410A PACKAGE AIR CONDITIONER FOR MANUFACTURED HOUSING, RESIDENTIAL, AND LIGHT COMMERCIAL APPLICATIONS 2 - 5 TONS, Single Phase, 208/230 V, 60 Hz

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- Compact, fully self-contained, electric cooling unit with horizontal supply and return ducts
- Light weight, compact construction ideal for manufactured housing and residential applications
- Environmentally sound R-410A refrigerant
- Vibration isolation provides quiet operation
- Compressors have internal over current protection
- Liquid refrigerant filter driers
- Hand holds built into the unit base pan
- Designed to be serviced from both the side and front
- Accessory electric heaters with single point connections
- Durable pre-painted steel cabinet
- No-rust base pan with integrated drain pan standard on all units
- Direct-drive ECM multispeed blower motor standard on all models
- Louvered coil enclosure for protection against vandalism and hail damage
- Aerodynamic fan blade design reduces the overall sound
- All models available with optional factory installed tin-coated copper evaporator coil.



(These models are identified with letters TP in the 11th and 12th positions in the model number)

WARRANTY*

- 5-year parts limited warranty (including compressor and coils)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coils)
- See warranty certificate for complete details.

*Applies to original purchaser/homeowner, some limitations may apply.



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Part #	Mfg #	Description
4100190240	PAJ324000K000A	2T 13 SEER Package A/C
4100190300	PAJ330000K000A	2.5T 13 SEER Package A/C
4100190360	PAJ336000K000A	3T 13 SEER Package A/C
4100190420	PAJ342000K000A	3.5T 13 SEER Package A/C
4100190480	PAJ348000K000A	4T 13 SEER Package A/C
4100190600	PAJ360000K000B	5T 13 SEER Package A/C

N4A3

EFFICIENT 13 SEER AIR CONDITIONER ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Filter-drier supplied with every unit for field installation
- Copper tube/aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 2" (51mm) spacing standard, alternate models available with 3/8" (10mm) spacing for extra protection (hail guard)

WARRANTY*

- 5 year compressor limited warranty
 - 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)
- * Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Part #	Mfg #	Description
4141000336	N4A336GHB	3T 3 PH 208/230V Condenser
4141000348	N4A348GHB	4T 3 PH 208/230V Condenser
4141000360	N4A360GHC	5T 3 PH 208/230V Condenser
4141000337	N4A336GLB	3T 3 PH 460V Condenser
4141999349	N4A348GLB	4T 3 PH 460V Condenser
4141000360	N4A360GLC	5T 3 PH 460V Condenser

CAS

COMMERCIAL SPLIT SYSTEM CONDENSING UNITS

R-410A 6 - 20 TONS

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- Single stage cooling capacity control on all 072-241 models
- Two stage cooling capacity control on all 120-240 models
- Round copper tube aluminum plate fin (RTPF) condenser coils on all models
- Brass suction and liquid line service valves
- Full perimeter base rail with built-in rigging adapters and fork truck slots
- Galvanized steel cabinet with pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- Fully hermetic scroll compressor with crankcase heater
- Compressor mounted on independent vibration isolators
- Comfort Alert™ Diagnostic Board
 - LED Go-No-Go and fault code
 - Built in time guard anti-short cycle
 - Phase protection
 - Fault code retention logic
 - Low volt compressor contactor protector
- All units have high and low pressure switches
- Direct drive permanently lubricated condenser fan motors
- Newly designed terminal board facilitates simple safety circuit troubleshooting and simplified control box arrangement
- Outdoor temperature cooling operation range up to 125°F (52°C) and down to 40°F (4°C) using winter start kit
- Models with optional low ambient control provide cooling operation down to -20°F (-29°C)
- All units factory run tested



CAS072-151

WARRANTY

- 5 year compressor limited warranty
 - 1 year parts limited warranty
- See warranty certificate for complete details.



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Part #	Mfg #	Description
4141000375	CAS091HAA0A00A	7.5T PH 208/230V Condenser
4141000380	CAS121HAA0A00A	10T 3 PH 208/230V Condenser
4141000411	CAS181HAA0A00A	15T 3 PH 208/230V Condenser
4141000413	CAS241HAA0A00A	20T 3 PH 208/230V Condenser
4141000376	CAS091LAA0A00A	7.5T 3 PH 460V Condenser
4141000381	CAS121LAA0A00A	10T 3 PH 460V Condenser
4141000412	CAS181LAA0A00A	15T 3 PH 460V Condenser
4141000414	CAS241LAA0A00A	20T 3 PH 460V Condenser

N4H3

EFFICIENT 13 SEER 3-PHASE HEAT PUMP ENVIRONMENTALLY SOUND R-410A REFRIGERANT

2½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 3-phase, 60 Hz

460 Volt, 3-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Crankcase heaters factory installed on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier included for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and low pressure switches
- Copper tube / aluminum fin coil

EASY TO INSTALL AND SERVICE

- Phase monitor board detects issues with 3-phase line voltage
- Easy access service valves on all models
- Innovative control box design
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)

WARRANTY

- 5 year compressor limited warranty
- 1 year parts limited warranty

See warranty certificate for complete details.



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Part #	Mfg #	Description
4141000362	N4H360GHB	5T 3 PH 208/230V Heat Pump

CHS

COMMERCIAL SPLIT SYSTEMS HEAT PUMP UNITS

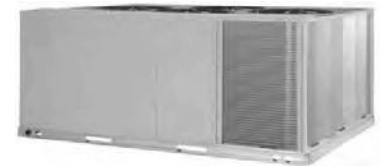
R-410A 6 - 20 TONS

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- Single stage cooling capacity control on 072-121 models
- Two stage cooling capacity control on 180-240 models
- All models utilize round copper tube, aluminum plate fin condenser coils (RTPF)
- Brass suction and liquid line service valves
- Fully hermetic scroll compressor with crankcase heater and suction line accumulators
- Compressor include overload protection and vibration isolation for further enhancement of quiet operation
- Comfort Alert™ Diagnostic Board
LED Go-No-Go and fault code
Built in time guard anti-short cycle
Phase protection
Fault code retention logic
- Full perimeter base rail with built-in rigging adapters and fork truck slots
- Filter drier standard with each unit (shopped for field installation)
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- Direct drive permanently lubricated condenser fan motors
- Newly designed terminal board facilitates simple safety circuit troubleshooting and simplified control box arrangement
- All units have high and low pressure switches
- Outdoor temperature cooling operation range up to 125°F (52°C) and down to 35°F (2°C) using winter start kit
- Models with optional low ambient control provide cooling operation down to -20°F (-29°C)
- All units factory run tested



6 - 7.5 Ton



20 Ton

WARRANTY

- 5 year compressor limited warranty
 - 1 year parts limited warranty
- See warranty certificate for complete details.



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Part #	Mfg #	Description
4141000427	CHS091HAA0A00A	7.5T 3 PH 208/230V Heat Pump
4141000429	CHS121HAA0A00A	10T 3 PH 208/230V Heat Pump
4141000434	CHS180HDA0A00A	15T 3 PH 208/230V Heat Pump
4141000436	CHS240HDA0A00A	20T 3 PH 208/230V Heat Pump
4141000428	CHS091LAA0A00A	7.5T 3 PH 460V Heat Pump
4141000430	CHS121LAA0A00A	10T 3 PH 460V Heat Pump
4141000435	CHS180LDA0A00A	15T 3 PH 460V Heat Pump
4141000437	CHS240LDA0A00A	20T 3 PH 460V Heat Pump

RGS

PACKAGE GAS HEATING/ELECTRIC COOLING R-410A SINGLE PACKAGE ROOFTOP 3 - 15 TONS (1 & 3-Phase)

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- Standard Efficiency, gas heating and electric cooling with a low profile, prewired, tested and charged at the factory
- Field Convertible from vertical to horizontal airflow on all models. No special kit required on 036-150 models. Field accessory supply duct kit required for 180 size model only.
- Full perimeter base rail with built-in rigging adapters and fork truck slots
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- Fully insulated cabinet
- Tubular-section type aluminized heat exchanger standard with optional stainless steel heat exchanger available
- Single-stage or two stage cooling capacity control
- Redundant gas valve, up to two stages of heating
- Exclusive IGC solid-state control for on-board diagnostics with LED error code designation, burner control logic and energy saving indoor fan motor delay
- High efficiency, gas heat with induced draft flue exhaust design
- Single or dual scroll compressor with internal line-break overload protection
- All units have high and low pressure switches
- Two inch disposable fiberglass type return air filters in dedicated rack with tool-less filter access door
- Refrigerant circuits contain a liquid line filter drier to trap dirt and moisture
- Indoor and outdoor coils constructed of aluminum fins mechanically bonded to seamless copper tubes
- Newly-designed indoor refrigerant header for easier maintenance and replacement
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; side or center drain
- Belt drive evaporator-fan motor and pulley combinations available to meet any application
- Access panels with easy grip handles provide quick and easy access to the blower and blower motor, control box, and compressor
- No-strip screw system has superior holding power and guides screws into position while preventing the screw from stripping the unit's metal
- Newly designed terminal board facilitates simple safety circuit troubleshooting and simplified control box arrangement
- Outdoor temperature cooling operation range up to 115°F (46°C) and down to 25°F (4°C) using winter start kit
- Fixed orifice metering devices on all models to precisely control refrigerant flow
- Large, laminated control wiring and power wiring drawings are affixed to unit to make troubleshooting easy
- Standard, medium and high static fan motor options available
- Provisions for thru-the-bottom power entry capability
- Single point gas and electrical connections
- Low NOx models include stainless steel heat exchangers



RGS036-072



RGS091-121



WARRANTY

- 15 Year limited warranty on optional stainless steel heat exchanger
- 10 year limited warranty on aluminized heat exchanger
- 5 year compressor limited warranty
- 1 year parts limited warranty

See warranty certificate for complete details



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



Part #	Mfg #	Description
4141000386	RGS036HDAA0AAA	3T 3 PH 208/230V Package Gas/Electric Low Heat
4141000387	RGS048HDAA0AAA	4T 3 PH 208/230V Package Gas/Electric Low Heat
4141000388	RGS060HDAA0AAA	5T 3 PH 208/230V Package Gas/Electric Low Heat
4141000389	RGS091HDAA0AAA	7.5T 3 PH 208/230V Package Gas/Electric Low Heat
4141000390	RGS091HEAA0AAA	7.5T 3 PH 208/230V Package Gas/Electric Medium Heat
4141000392	RGS121HDAA0AAA	10T 3 PH 208/230V Package Gas/Electric Low Heat
4141000391	RGS121HFAA0AAA	10T 3 PH 208/230V Package Gas/Electric High Heat

Part #	Mfg #	Description
4141000397	RGS150HFAA0AAA	12.5T 3 PH 208/230V Package Gas/Electric High Heat
4141000405	RGS180HFAA0AAA	15T 3 PH 208/230V Package Gas/Electric High Heat
4141000395	RGS091LEAA0AAA	7.5T 3 PGH 460V Package Gas/Electric Medium Heat
4141000396	RGS121LDAA0AAA	10T 3 PH 460V Package Gas/Electric Low Heat
4141000398	RGS150LFAA0AAA	12.5T 3 PH 460V Package Gas/Electric High Heat
4141000406	RGS180LFAA0AAA	15T 3 PH 460V Package Gas/Electric High Heat

Missouri: St. Louis - Columbia - Festus - Jackson - Joplin - Springfield - St. Peters - Union - **Illinois:** Springfield - Swansea - **Kansas:** Kansas City

ASHRAE 90.1 COMPLIANT PACKAGE GAS HEATING/ELECTRIC COOLING R-410A SINGLE PACKAGE ROOFTOP 17.5 - 27.5 TONS

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- One-piece, standard efficiency, gas heating and electric cooling with a low profile, prewired, tested and charged at the factory
- Dedicated vertical or horizontal air flow duct configuration models; no field kits required
- Full perimeter base rail with built-in rigging adapters and fork truck slots
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- Fully insulated cabinet
- Two-stage cooling with independent circuits and control on all models
- Redundant gas valve for two stage gas heating capacity control
- Exclusive IGC solid-state control for on-board diagnostics with LED error code designation, burner control logic and energy saving indoor fan motor delay
- High efficiency, gas heat with induced draft flue exhaust design
- Scroll compressors with internal line-break on all models
- All units have high and low pressure switches
- Two inch disposable fiberglass type return air filters in dedicated rack with tool-less filter access door
- Refrigerant circuits contain a liquid line filter drier to trap dirt and moisture
- Round Tube plate fin evaporator and condenser coil design
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; end drain
- Belt drive evaporator-fan motor and pulley combinations available to meet any application
- Access panels with easy grip handles provide quick and easy access to the blower and blower motor, control box, and compressor
- No-strip screw system has superior holding power and guides screws into position while preventing the screw from stripping the unit's metal
- Newly designed terminal board facilitates simple safety circuit troubleshooting and simplified control box arrangement
- Standard outdoor temperature cooling operation range up to 115°F (46°C) and down to 30°F (-1°C)
- Fixed orifice metering devices on all models to precisely control refrigerant flow
- Large, laminated control wiring and power wiring drawings are affixed to unit to make troubleshooting easy
- Single point gas and electrical connections



WARRANTY

- 15 Year limited warranty on optional stainless steel heat exchanger
- 10 Year limited warranty on aluminized heat exchanger
- 5 year compressor limited warranty
- 1 year parts limited warranty

See warranty certificate for complete details



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



Part #	Mfg #	Description
4141000407	RGS240HFAA0AAA	20T Vertical 3 PH 208/230V Package Gas/Electric
4141000409	RGS243HFAA0AAA	20T Horizontal 3 PH 208/230V Package Gas/Electric
4141000408	RGS240LFAA0AAA	20T Vertical 3 PH 460V Package Gas/Electric
4141000410	RGS243LFAA0AAA	20T Horizontal 3 PH 460V Package Gas/Electric

RAS

ASHRAE 90.1 COMPLIANT ELECTRIC COOLING, R-410A SINGLE PACKAGE ROOFTOP 3 - 15 TONS (1 & 3 Phase)

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- One-piece, electric cooling with low profile, prewired, tested and charged at the factory
- Field Convertible from vertical to horizontal airflow on all models. No special kit required on 036-150 models. Field accessory supply duct kit required for 180 size model only.
- Full perimeter base rail with built-in rigging adapters and fork truck slots
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- Fully insulated cabinet
- Single-stage or two stage cooling capacity control
- Single scroll or dual scroll compressor with internal line-break overload protection
- All units have high and low pressure switches
- Two inch disposable fiberglass type return air filters in dedicated rack with tool-less filter access door
- Refrigerant circuits contain a liquid line filter drier to trap dirt and moisture
- Indoor and outdoor coils constructed of aluminum fins mechanically bonded to seamless copper tubes
- Newly-designed indoor refrigerant header for easier maintenance and replacement
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; side or center drain
- Belt drive evaporator-fan motor and pulley combinations available to meet any application
- Access panels with easy grip handles provide quick and easy access to the blower and blower motor, control box, and compressor
- “No-strip” screw system has superior holding power and guides screws into position while preventing the screw from stripping the unit's metal
- Newly designed terminal board facilitates simple safety circuit troubleshooting and simplified control box arrangement
- Outdoor temperature cooling operation range up to 115°F (46°C) and down to 25°F (-4°C) using winter start kit
- Fixed orifice metering devices on all models to precisely control refrigerant flow
- Large, laminated control wiring and power wiring drawings are affixed to unit to make troubleshooting easy
- Standard, medium and high static fan motor options available
- Provisions for thru-the-bottom power entry capability
- Single point electrical connections



RAS036 - 072



RAS090 - 121

WARRANTY

- 5 year compressor limited warranty
 - 1 year parts limited warranty
- See warranty certificate for complete details



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



Part #	Mfg #	Description
4141000415	RAS060H0AA0AAA	5T 3 PH 208/230V Package Air
4141000417	RAS091H0AA0AAA	7.5T 3 PH 208/230V Package Air
4141000419	RAS121H0AA0AAA	10T 3 PH 208/230V Package Air
4141000421	RAS180H0AA0AAA	15T 3 PH 208/230V Package Air
4141000416	RAS060L0AA0AAA	5T 3 PH 460V Package Air
4141000418	RAS091L0AA0AAA	7.5T 3 PH 460V Package Air
4141000420	RAS121L0AA0AAA	10T 3 PH 460V Package Air
4141000422	RAS180L0AA0AAA	15T 3 PH 460V Package Air

RAS

ASHRAE 90.1 COMPLIANT PACKAGE ELECTRIC COOLING R-410A SINGLE PACKAGE ROOFTOP 17.5 - 25 TONS BUILT TO LAST, EASY TO INSTALL AND SERVICE

- One-piece, electric cooling with a low profile, prewired, tested and charged at the factory
- Dedicated vertical or horizontal air flow duct configuration models; no field kits required
- Full perimeter base rail with built-in rigging adapters and fork truck slots
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- Fully insulated cabinet
- Two stage cooling with independent circuit and control on all models
- Scroll compressors with internal line-break on all models
- All units have high and low pressure switches
- Two inch disposable fiberglass type return air filters in dedicated rack with tool-less filter access door
- Refrigerant circuits contain a liquid line filter drier to trap dirt and moisture
- Round Tube plate fin evaporator and condenser coil design
- Newly-designed indoor refrigerant header for easier maintenance and replacement
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; end drain
- Belt drive evaporator-fan motor and pulley combinations available to meet most applications
- Access panels with easy grip handles provide quick and easy access to the blower and blower motor, control box and compressors
- "No-strip" screw system has superior holding power and guides screws into position while preventing the screw from stripping the unit's metal
- Newly-designed terminal board facilitates simple safe circuit troubleshooting and simplified control box arrangement
- Standard outdoor temperature cooling operation range up to 115°F (46°C) and down to 30°F (-1°C)
- Fixed orifice metering devices on all models to precisely control refrigerant flow
- Large, laminated control wiring and power wiring drawings are affixed to unit to make troubleshooting easy
- Standard, medium and high static fan motor options available
- Single point electrical connections



WARRANTY

- 5 year compressor limited warranty
 - 1 year parts limited warranty
- See warranty certificate for complete details



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Part #	Mfg #	Description
4141000424	RAS240H0AA0AAA	20T 3 PH 208/230V Package Air
4141000425	RAS240L0AA0AAA	20T 3 PH 460V Package Air

RHS

ASHRAE 90.1 COMPLIANT PACKAGE HEAT PUMPS R-410A SINGLE PACKAGE ROOFTOP 3 - 12.5 TONS (1 & 3 Phase) BUILT TO LAST, EASY TO INSTALL AND SERVICE

- One-piece, single package heat pump units that are prewired, tested and charged at the factory
- Single-stage cooling on 3 to 6 ton models, 2 stage cooling on 7.5 to 12.5 ton
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; side or center drain
- All units are convertible from downflow to horizontal air flow; no special adapter curbs are necessary on 3 to 10 ton models, supply duct kit required for 12.5 ton model only
- Copper tube aluminum fin coils with optional corrosion resistant coils
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- Fixed orifice metering devices on all models to precisely control refrigerant flow
- Outdoor temperature cooling operation range up to 115°F (46°C) and down to 25°F (-4°C)
- Newly designed terminal board facilitates simple safety circuit troubleshooting and simplified control box arrangement
- Fully insulated cabinet
- Access panels with easy grip handles provide quick and easy access to the blower and blower motor, control box and compressor
- Dependable time/temperature defrost logic provides a defrost cycle, if needed, every 30, 60, 90, or 120 minutes and is adjustable
- Scroll compressors with internal line-break protection
- Refrigerant circuits contain a liquid line filter drier to trap dirt and moisture
- All units have high and low pressure switches
- Two inch disposable fiberglass type return air filters in dedicated rack with tool-less filter access door
- Precision sized suction line accumulator to provide high reliability
- 4-way reversing valve rapidly change the flow of refrigerant to quickly changeover from cooling to heating and heating to cooling
- Direct drive high efficiency blower motor on 3 to 5 ton models, belt drive optional
- Belt drive evaporator fan motor and pulley combinations available on all sizes
- Crankcase heaters on all models but the 3 ton.
- Newly-designed indoor refrigerant header for easier maintenance and replacement
- No-strip screw system has superior holding power and guides screws into position. while preventing the screw from stripping the unit's metal
- Large, laminated control wiring and power wiring drawings are affixed to unit to make troubleshooting easy
- Standard, medium and high static fan motor options available
- Provisions for thru-the-bottom power entry capability
- Full perimeter base rail with built-in rigging adapters and fork truck slots
- Single point electrical connections



RHS036-072



RHS090-102

WARRANTY

- 5 year compressor limited warranty
 - 1 year parts limited warranty
- See warranty certificate for complete details



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



Part #	Mfg #	Description
4141000426	RHS060H0CA0AAA	5T 3 PH 208/230V Package Heat Pump

FAS

DIRECT EXPANSION COMMERCIAL PACKAGED AIR HANDLING UNITS, 6 - 25 TONS BUILT TO LAST, EASY TO INSTALL AND SERVICE

- Multi-position design for horizontal or vertical installation without modification
- Two sloped condensate pans on each unit for horizontal or vertical applications
- Cleanable insulation treated with Environmental Protection Agency (EPA) registered antimicrobial agent improves indoor air quality
- 2 inch filters
- High static design meets a wide range of applications
- Powerful belt-driven forward curved fans
- Single refrigerant circuit on 072 and 091 sizes; dual refrigerant circuit on 120-300 sizes. Dual circuit can be field modified for use on single circuit condensers.
- Single blower on 072 to 120 sizes; dual blower on 150 to 300 sizes
- Cooling coils with mechanically bonded fins provide peak heat transfer
- Standard factory-installed thermo-static expansion valve (TXV) with removable power element
- Easy maintenance - removal of single panel allows access to virtually all components
- Die-formed galvanized steel casings provide durability and structural integrity (optional paint is available)
- 24-volt terminal block for control wiring connection.
- Economizer accessory provides ventilation air and free cooling
- Hot water coil, steam coil, and electric heat accessories are available



FAS072-120



FAS150-180

WARRANTY

- 1 year parts limited warranty
- See warranty certificate for complete details.



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Part #	Mfg #	Description
4141000445	FAS091MAAA0A0A	7.5T 208.230/460V Air Handler
4141000446	FAS120MAAA0A0A	10T 208/230/460V Air Handler
4141000447	FAS180MAAA0A0A	15T 208/230/460V Air Handler
4141000449	FAS240HDAA0A0A	20T 208/230V Air Handler
4141000450	FAS240LDAA0A0A	20T 460V Air Handler

FHS

COMMERCIAL PACKAGED HEAT PUMP AIR HANDLING UNITS, 6 - 20 TONS

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- Multi-position design for horizontal or vertical installation without modification
- Two sloped condensate pans on each unit for horizontal or vertical applications
- Cleanable insulation treated with Environmental Protection Agency (EPA) registered antimicrobial agent improves indoor air quality
- 2 inch filters
- High static design meets a wide range of applications
- Powerful belt-driven forward curved fans
- Single refrigerant circuit on 072 and 091 sizes; dual refrigerant circuit on 120-240 sizes. Dual circuit can be field modified for use on single circuit condensers.
- Single blower on 072 to 120 sizes, dual blower on 180 & 240 sizes
- Cooling coils with mechanically bonded fins provide peak heat transfer
- Standard factory-installed thermo-static expansion valve (TXV) with removable power element
- Easy maintenance - removal of single panel allows access to virtually all components
- Die-formed galvanized steel casings provide durability and structural integrity (optional paint is available)
- 24-volt terminal block for control wiring connection.
- Economizer accessory provides ventilation air and free cooling
- Hot water coil, steam coil, and electric heat accessories are available



FHS072-120



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WARRANTY

- 1 year parts limited warranty
- See warranty certificate for complete details.

Part #	Mfg #	Description
4141000451	FHS091MAAA0A0A	7.5T 208/230/460V Air Handler
4141000452	FHS120MAAA0A0A	10T 208/230/460V Air Handler
4141000455	FHS180MAAA0A0A	15T 208/230/460V Air handler
4141000457	FHS240HDAA0A0A	20T 208/230V Air Handler
4141000458	FHS240LDAA0A0A	20T 460V Air Handler

GEOHERMAL

2 to 6 Tons

Two-Stage Package Heat Pump

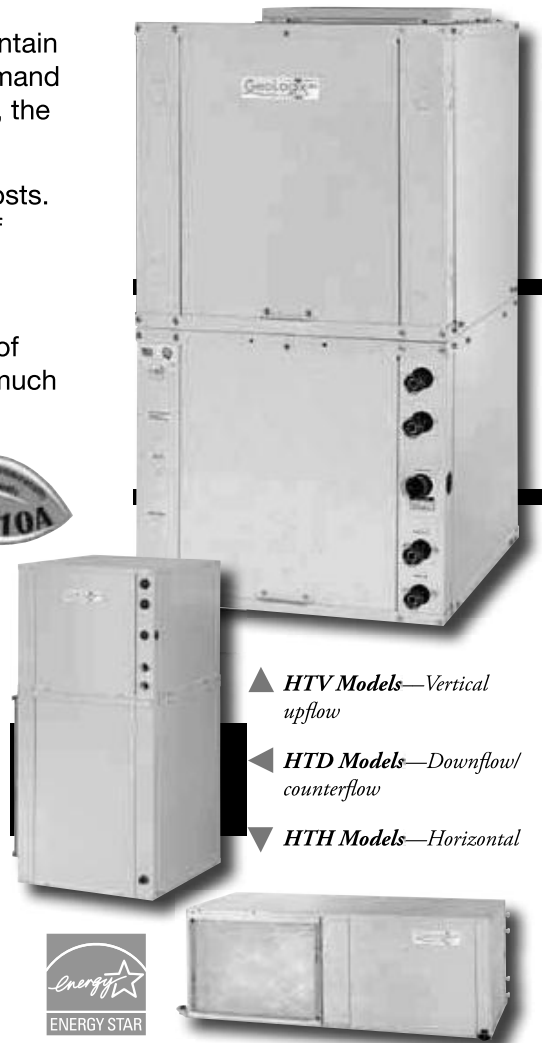
Our two-stage design far exceeds ASHRAE 90.1 efficiencies, allowing the unit to run at 67% capacity most of the time to maintain a consistent temperature and humidity level. When there's a demand for greater heating or cooling, such as during weather extremes, the unit instantly shifts to 100% capacity.

This full load/part load capacity significantly lowers operating costs. At the same time, it increases comfort because there's no on/off cycling of the system.

The high tech design of the high efficiency ECM blower motor adapts automatically to system demand, delivering a multitude of benefits including silent ramp-up, a speed for every mode and much more—all designed to overcome ductwork static pressure (even poor duct design) to maximize the flow of conditioned air.

FEATURES

- **Quiet Operation**—Double isolation compressor mounting and vibration isolation springs combined with insulated compressor and air handler compartments dampen operating sound
- **Variable Speed Blower Motor**—Automatically adapts to all applications; provides a multitude of operational modes that maximize comfort and efficiency
- **Two Stage Compressor**—Copeland multi-stage scroll compressor delivers comfort at higher efficiencies than single stage models
- **Microprocessor Controls**—Includes performance monitoring system to signal a potential problem before a lockout can occur
- **Standard Features**—Comes with domestic hot water generator with built-in pump for value and extra efficiency
- **Extended Operating Range**—20° to 120° F entering water temperature makes the HT Series suitable for virtually all applications and climates



▲ **HTV Models**—Vertical upflow

◀ **HTD Models**—Downflow/counterflow

▼ **HTH Models**—Horizontal



CENTURY MODEL- RIGHT RETURN AIR

Part #	Description
43000240	HTV024A1C01JRK (2 Ton)
43000360	HTV036A1C01JRK (3 Ton)
43000480	HTV048A1C01JRK (4 Ton)
43000600	HTV060A1C01JRK (5 Ton)
43000700	HTV070A1C01JRK (6 Ton)

CENTURY MODEL- LEFT RETURN AIR

Part #	Description
43000245	HTV024A10C1JLK (2 Ton)
43000365	HTV036A1C01JLK (3 Ton)
43000485	HTV048A1C01JLK (4 Ton)
43000605	HTV060A1C01JLK (5 Ton)
43000705	HTV070A1C01JLK (6 Ton)

DOWNFLOW & HORIZONTAL AVAILABLE AS SPECIAL ORDER





PTACs & PTHPs

Electronic digital controls and temperature limiting for guest comfort and efficiency. Features include built-in condensate dispersion and freeze protection. Two-piece filter removes easily for cleaning.

Cooling Models	Nom. Cooling BTUH	Heat Pumps	Nom. Cooling BTUH	Heating Capacity BTUH
EKTC07-1G	7,700	EKTH07-1G	7,700	6,100/6,300
EKTC09-1G	9,000	EKTH09-1G	9,000	7,900/8,100
EKTC12-1G	12,000	EKTH12-1G	12,000	10,500/10,700
EKTC15-1G	15,000	EKTH15-1G	15,000	13,600/13,800



208/230V-1-60

Electric heat is standard: 2, 3 or 5 kW electric heat determined by power cord selection.
265V models also available—see web site.

PTAC- 230V- A/C WITH ELECTRIC HEAT

Part #	Description
41701	EKTC09-1G 9000 COOL w/ 2 or 3 KW Heat
41701	EKTC12-1G 12000 COOL w/ 2, 3, or 5 KW Heat
41701	EKTC15-1G 15000 COOL w/2 ,3, or 5 KW Heat

ALL PTAC UNITS SPECIAL ORDER

PTAC- 230V- HP WITH ELECTRIC HEAT

Part #	Description
41701	EKTH09-1G 9000 COOL w/ 2 or 3 KW Heat
41701	EKTH12-1G 12000 COOL w/2, 3, or 5 KW Heat
41701	EKTH15-1G 15000 COOL w/2, 3, or 5 KW Heat



ACCESSORIES

Part #	Description
41701	7602-515a-230 2 KW POWER CORD
41701	7602-520A-230 3 KW POWER CORD
41701	7602-530A-230 5 KW POWER CORD
41701	7602-500 WALL SLEEVE
41701	7602-501 GRILLE STD STAMP ALUM



**Ductless Mini-Splits
Single Zone**

Efficient, economical comfort with cooling, fan only, dehumidify and sleep modes. Built with 24-hour timer and auto temperature compensation. Includes handy remote.

Heat pumps: 9K and 12K: 115V; 18K and 24K: 208/230V

Model	Specifications (BTUH), 13 SEER
SMA09SC-0	9,500 BTUH; cooling only, 115V, EER 12.1
SMA12SC-0	11,800 BTUH; cooling only, 115V, EER 11.5
SMA18SC-1	18,000 BTUH; cooling only, 208/230V, EER 11.65
SMA24SC-1	23,000 BTUH; cooling only, 208/230V, EER 11.8
SMH09SC-0	9,900 cool/9,900 heat; HP, EER 12.7, HSPF 8.0
SMH12SC-0	11,700 cool/13,100 heat; HP, EER 11.5, HSPF 8.6
SMH18SC-1	17,400 cool/16,700 heat, HP, EER 9.8, HSPF 8.0
SMH24SC-1	24,000 cool/24,000 heat, HP, EER 12.1, HSPF 8.6

SMA SERIES- COOLING ONLY- SINGLE

Part #	Description
41701	SMA09SC-0 115V 9,500 COOL
41701	SMA12SC-0 115V 11,800 COOL
41701	SMA18SC-1 230V 18,000 COOL
41701	SMA24SC-1 230V 23,000 COOL

**ALL AVAILABLE AS SPECIAL ORDER.
MULTI ZONE UNITS ALSO AVAILABLE**

PTAC- 230V- HP WITH ELECTRIC HEAT

Part #	Description
41701	SMH09SC-0 115V 9,900/9,900
41701	SMH12SC-0 115V 11,700/13,100
41701	SMH18SC-1 230V 16,700/10,400
41701	SMH24SC-1 230V 24,000/14,100



CONSOLE room heaters

Our console heaters feature an open design to maximize heat dispersion and include a draft diverter to eliminate pilot outages.

Choose closed cabinet for heat only or visual-flame (with optional log set or ceramic radiant package) for a fireplace-like experience. Installs easily with standard

vent pipe. An optional automatic blower enhances heat circulation (standard on RH-50B/656B.)

RH-25 (25,000 Btu)

RH-35 (35,000 Btu)

RH-50B, RH-50C (50,000 Btu)

RH-65B, RH-65C (65,000 Btu)



CONSOLE ROOM HEATERS

Part #	Description	
40800	RH-25	
40800	RH-35	
40800	RH-50B	
40800	RH-65B	
4080020065	RH-65CB NATURAL GAS	In Stock
4080020066	RH-65CB LP GAS	In Stock
40800	RH-50CB	



FLOOR furnaces

America's most popular floor furnace provides whole-house comfort for a fraction of the cost of electric heat and requires no electricity to operate.

3588 (32,500 Btu)

5088 (45,000 Btu)

7088 (65,000 Btu)



FLOOR FURNACES

Part #	Description	
4080020080	7088-65M BTU NATURAL GAS	In Stock
4080020081	7088-65M BTU LP GAS	In Stock
40800	3588 32,500 BTU	
40800	5088 45,000 BTU	

- Total Comfort for Half the Cost of Electric Heat
- Radiant or Blue Flame Design
- 99.9 Percent Efficient
- Safe Operation with Auto Shut-off Safety Controls
- Manual or Hydraulic Thermostatic Controls
- Matchless Piezo Igniter LP or Natural Gas Models
- Mounts on Floor or Wall
- All Models Heat without Electricity

- Optional Manual and Automatic Blowers
- Empire BF and SR Models Include 5-year Limited Warranty on Parts and Labor
- HearthRite Models Include 3-year Limited Warranty on P arts and Labor
- Empire Models Made In America
- HearthRite Models Made in China



BLUE FLAME heaters

Think warm tropical breeze! Our blue flame heaters warm the air, which rises to create natural circulation in the room. Ideal for any supplemental heat application.

BF Blue-Flame Heaters

- BF-10 (10,000 Btu)
- BF-20 (20,000 Btu)
- BF-30 (30,000 Btu)



BLUE FLAME

Part #	Description
40800	BF-10 10M
40800	BF-20 20M
40800	BF-30 30M



RADIANT heaters

Think cat on a windowsill! Our radiant heaters project warmth into the room like sunlight through a window. Ideal for warming any cold spot in a room.

SR Radiant Heaters

(Manual and Thermostat Models)

- SR-6 (6,000 Btu)
- SR-10 and SR-10T (10,000 Btu)
- SR-18 and SR-18T (18,000 Btu)
- SR-30 and SR-30T (30,000 Btu)



INFRARED

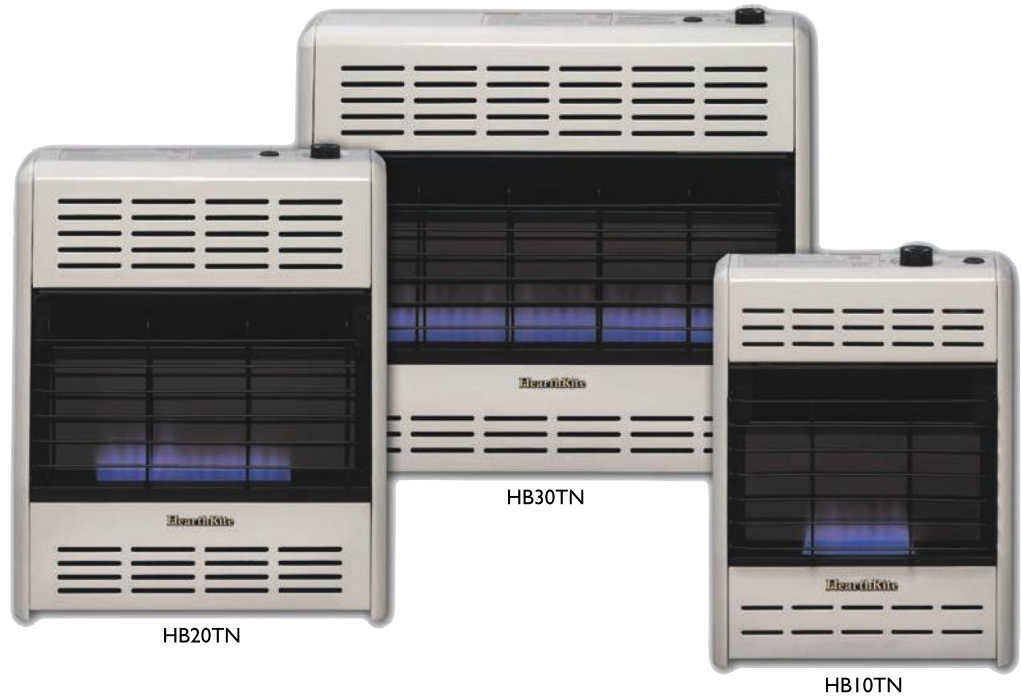
Part#	Description	Part#	Description
40800	SR-6 6M	40800	SR-18T 18M
40800	SR-10 10M	40800	SR-30 30M
40800	SR-10T 10M	40800	SR-30T 30M
40800	SR-18 18M		

HEARTHRITE BLUE FLAME & RADIANT heaters

HearthRite blue flame models are available in 6,000; 10,000; 20,000; and 30,000 Btu – manual and thermostat.

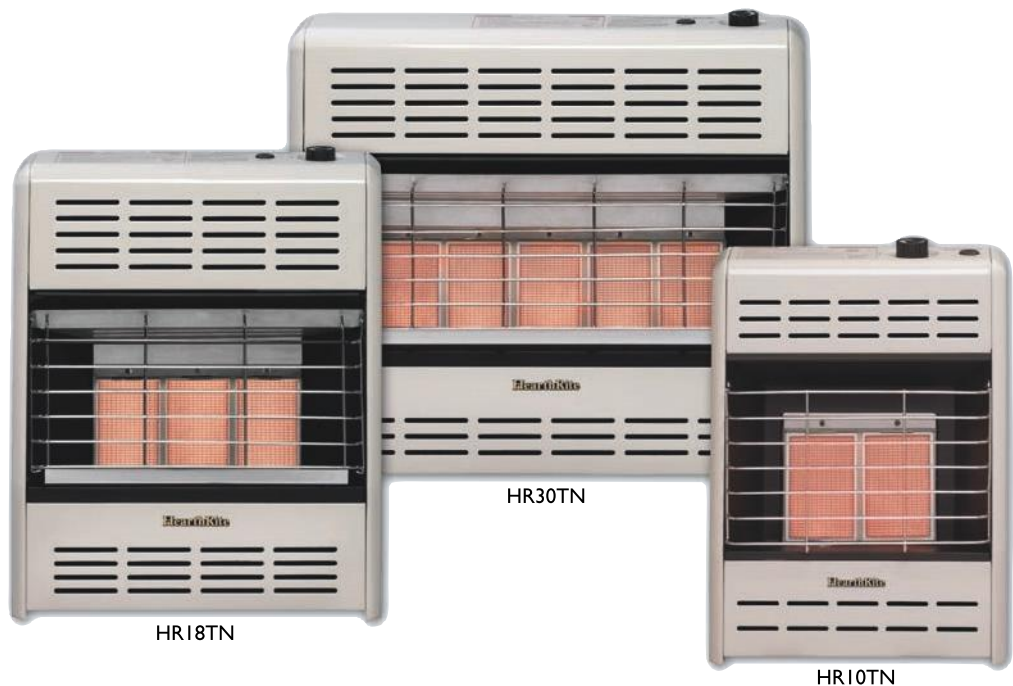
HearthRite radiant models are available in 6,000; 10,000; 15,000; and 25,000 Btu LP and in 6,000; 10,000; 18,000; and 30,000 Btu Natural Gas Manual and thermostat.

Part #	Description
40800	HB06ML 6M LP
40800	HB06MN 6M NAT
40800	HB10ML 10M LP
40800	HB10MN 10M NAT
40800	HB10TL 10M LP
40800	HB10TN 10M NAT
40800	HB20ML 20M LP
40800	HB20MN 20M NAT
40800	HB20TL 20M LP
40800	HB20TN 20M NAT
40800	HB30ML 30M LP
40800	HB30MN 30M NAT
40800	HB30TL 30M LP
40800	HB30TN 30M NAT



ALL SPECIAL ORDER

Part #	Description
40800	HR06ML 6M LP
40800	HR06MN 6M NAT
40800	HR10ML 10M LP
40800	HR10MN 10M NAT
40800	HR10TL 10M LP
40800	HR10TN 10M NAT
40800	HR15ML 15M LP
40800	HR18MN 18M NAT
40800	HR15TL 15M LP
40800	HR18TN 18M NAT
40800	HR25ML 25M LP
40800	HR30MN 30M NAT
40800	HR25TL 25M LP
40800	HR30TN 30M NAT





DV wall furnaces

Clean and cost-efficient comfort makes the DV-210/215 wall furnaces ideal for smaller rooms, such as bedrooms or studies. The compact beige cabinet tucks out of the way on any outside wall.

DV-210 (10,000 Btu)

DV-215 (15,000 Btu)

◀ DV-35

Heat larger areas economically with Empire's DV-25/35 wall furnace. Delivering ample, room-filling warmth, each furnace is stylishly crafted and fits against an outside wall.

DV-25 (25,000 Btu)

DV-35 (35,000 Btu)

DV-210 ▶

EMPIRE - DIRECT VENT WALL FURNACES

Part #	Description
40800	DV-210-SG 10M
40800	DV-215-SG 15M
40800	DV-25-SG 25M
40800	DV-35-SG 35M



ACCESSORIES

Part #	Description
40800	DVB-1-BLOWER DV-210/215
40800	DRB-1-BLOWER DV-25/35
40800	TRW WIRELESS REMOTE WALL TSTAT
40800	VSK-1 VINYL SIDING KIT DV-210/215
40800	VSK-2 VINYL SIDING KIT DV-25/35
40800	DV-822 VINYL SIDING VENT KIT



B-VENT GRAVITY *wall furnaces*

Our economical Gravity Vented Furnaces utilize state-of-the-art technology for the highest fuel efficiency. This furnace recesses into a wall or surface mounts with the optional kit. Heat two adjoining rooms with the GWT-50.

GWT-25 (25,000 Btu)

GWT-35 (35,000 Btu)

GWT-50 (50,000 Btu Total; 25,000 Btu/Room)

B-VENT COUNTERFLOW *wall furnaces*

Counterflow wall furnaces circulate warmth at floor level to provide comfort at a fraction of the cost of electric heat. The front panels remove easily for cleaning and servicing.

Choose standing pilot or electronic ignition. Optional side and rear registers help disperse.

FAW-40 (40,000 Btu)

FAW-55 (55,000 Btu)

◀ FAW-55

GRAVITY WALL FURNACES

Part #	Description
40800	GWT-25 25W
40800	GWT-35 35W
40800	GWT-50* 50W
	*DUAL WALL HTS 2 ROOMS

CONVENTIONAL VENT COUNTERFLOW

Part #	Description
40800	FAW-40-SPP 40M
40800	FAW-40-IP 40M
40800	FAW-55-SPP 55M
40800	FAW-55-IP 55M

ALL SPECIAL ORDER



Solutions for Your Needs

SEP & HED Series

Commercial & Warehouse Unit Heaters



ADP UNIT HEATERS

Part #	Description
40401075	FSA-75 Low Profile 75M BTU
40401100	SEP-100AN Std Commercial 100M BTU
40401145	SEP-145AN Std Commercial 145M BTU
40401200	SEP-200AN Std Commercial 200M BTU
40401250	SEP-250AN Std Commercial 250M BTU

Advanced Distributor Products™

Missouri: St. Louis - Columbia - Festus - Jackson - Joplin - Springfield - St. Peters - Union - **Illinois:** Springfield - Swansea - **Kansas:** Kansas City

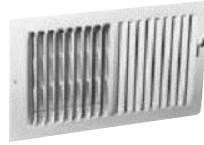
Specifications Subject to Change Without Notice

Page A - 61

Items included are those regularly stocked. We can special-order sizes and related items.

Series 22W Wall Supply

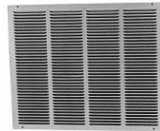
- Two-way, 1/2" lanced
- Deflection angle set at 35°
- Steel



Part #	Mfg #	Description
201050059	22W	10" x 4"
201050062	22W	12" x 4"
201050103	22W	14" x 8"
201050065	22W	14" x 4"
20105*	22W	8" x 6"
201050083	22W	10" x 6"
201050086	22W	12" x 6"
201050089	22W	14" x 6"
20105*	22W	10" x 8"
201050100	22W	12" x 8"
201050103	22W	14" x 8"
20105*	22W	16" x 8"

Series G25W Wall Return

- 1/2" lanced grille
- Deflection angle set at 35°



Part #	Mfg #	Description
201050390	G25W	10" x 6"
201050393	G25W	10" x 8"
201050396	G25W	10" x 10"
201050402	G25W	12" x 6"
20105405	G25W	12" x 8"
20105*	G25W	12" x 10"
201050411	G25W	12" x 12"
20105*	G25W	14" x 4"
201050417	G25W	14" x 6"
201050420	G25W	14" x 8"
201050423	G25W	14" x 10"
201050426	G25W	14" x 12"
201050429	G25W	14" x 14"
20105*	G25W	16" x 6"
201050438	G25W	16" x 8"
201050441	G25W	16" x 10"
20105*	G25W	16" x 12"
201050450	G25W	16" x 16"
20105*	G25W	18" x 6"
20105*	G25W	18" x 12"
201050471	G25W	18" x 18"
20105*	G25W	20" x 6"
201050477	G25W	20" x 8"

Series G25W Wall Return (Continued)

Part #	Mfg #	Description
201050480	G25W	20" x 10"
201050483	G25W	20" x 12"
201050486	G25W	20" x 14"
201050489	G25W	20" x 16"
20105*	G25W	20" x 18"
201050495	G25W	20" x 20"
201050501	G25W	24" x 6"
201050504	G25W	24" x 8"
201050507	G25W	24" x 10"
201050510	G25W	24" x 12"
201050513	G25W	24" x 14"
201050516	G25W	24" x 16"
20105*	G25W	24" x 18"
20105*	G25W	24" x 20"
201050525	G25W	24" x 24"
201050531	G25W	30" x 6"
201050534	G25W	30" x 8"
201050537	G25W	30" x 10"
201050540	G25W	30" x 12"
201050542	G25W	30" x 14"
20105*	G25W	30" x 16"
201050552	G25W	30" x 20"
201050555	G25W	30" x 24"
201050558	G25W	30" x 30"

Series G35W Wall Return

- 1/3" Lanced grille



Part #	Mfg #	Description
201050418	G35W	14" x 6"
201050532	G35W	30" x 6"

Series G25W Vertical Return Air Grilles

- 1/2" lanced grille
- Deflection angle set at 35°



Part #	Mfg #	Description
201050580	G25W	14" x 20"
201050583	G25W	14" x 24"



Series FG2W Horizontal Filter Grilles

- 1/2" lanced
- Hinged face flush w/frame
- 1/2" fin spacing(35° angle)
- Uses standard 1" filter (not included)



Part #	Mfg #	Description
201050630	FG2W	12" & 12"
201050630	FG2W	14" & 14"
20105*	FG2W	20" & 10"
201050700	FG2W	20" & 14"
201050705	FG2W	20" & 16"
201050708	FG2W	20" & 20"
201050710	FG2W	24" & 14"
201050714	FG2W	24" x 24"
201050720	FG2W	25" x 14"
201050723	FG2W	25" x 16"
201050726	FG2W	25" x 20"
201050730	FG2W	30" x 14"
201050732	FG2W	30" x 20"
201050733	FG2W	30" x 24"
20105*	FG2W	36" x 14"

Series FG2W Vertical Filter Grilles

- 1/2" lanced
- Hinged face flush w/frame
- 1/2" fin spacing(35° angle)
- Uses standard 1" filter (not included)



Part #	Mfg #	Description
201050755	FG2W	12" x 24"
201050760	FG2W	14" x 20"
201050762	FG2W	14" x 24"
201050763	FG2W	14" x 25"
201050765	FG2W	16" x 20"
201050770	FG2W	20" x 25"

Series TL2 T-BAR Ceiling Mount

- 1/2" lanced
- Fits standard 24" x 24" T-bar ceiling



Part #	Mfg #	Description
201050750	TL2	24" x 24"

Series 28B Brown Floor Supply

- Heavy gauge steel construction



Part #	Mfg #	Description
201050798	28B	6" x 10"
201050801	28B	6" x 12"
20105*	28B	10" x 8"
20105*	28B	12" x 10"

Series F25B Floor Return

- Heavy gauge steel construction
- Rigid interlocking cross braces
- Brown baked-on powder painted finish
- Mitered corners w/welded corner gusset

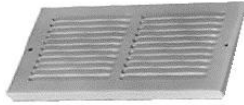


Part #	Mfg #	Description
201050828	F25B	10" x 6"
201050831	F25B	12" x 6"
201050834	F25B	14" x 6"
201050837	F25B	24" x 6"
201050840	F25B	30" x 6"
201050849	F25B	14" x 8'
201050852	F25B	24" x 8"
201050855	F25B	30" x 8"
20105*	F25B	12" x 10"
201050864	F25B	24" x 10"
20105*	F25B	30" x 10"
201050870	F25B	14" x 12"
201050873	F25B	24" x 12"
20105*	F25B	30" x 12"
201050878	F25B	24" x 14"
201050879	F25B	30" x 14"
201050881	F25B	16" x 30"
201050883	F25B	18" x 30"
201050886	F25B	20" x 30"

We Feature The Brand Name Products You Are Looking For

Series BG21W White Baseboard Returns

- Steel construction with 7/8" projection
- One-way airflow pattern
- 1/3" fin spacing (20°) angle reduces duct visibility



Part #	Mfg #	Description
201050893	BG21W	14" x 6"
201050896	BG21W	14" x 8"
20105*	BG21W	24" x 6"
201050902	BG21W	24" x 8"
201050905	BG21W	30" x 6"
201050907	BG21W	30" x 8"

Series TG32B Beige Face Only

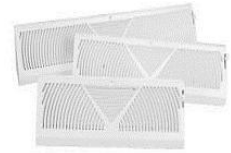
- One-piece stamped straight hemmed lanced face
- Lances 9/16" on center
- 30° angle of deflection



Part #	Mfg #	Description
201050980	TG32B	2" x 12"

Baseboard Supply

- Appealing sunburst face pattern
- Lever-operated damper
- Face & damper easily removed



Part #	Mfg #	Description	Color
201051020	240W	24"	White
201051032	150W	15"	White
201051034	150B	15"	Brown
201051040	180W	18"	White
201051041	180B	18"	Brown

Series 28B Beige Floor Supply

- One-piece stamped straight hemmed lanced face
- Lances 9/16" on center 30° angle of deflection
- Foot-operated opposed blade damper air volume control



Part #	Mfg #	Description
201050940	28B	2" x 10"
201050943	28B	2" x 12"
201050946	28B	2" x 14"
201050949	28B	4" x 10"
201050952	28B	4" x 12"
201050955	28B	4" x 14"

Series 28W White Floor Supply

- One-piece stamped straight hemmed lanced face
- Lances 9/16" on center 30° angle of deflection
- Foot-operated opposed blade damper air volume control



Part #	Mfg #	Description
201050960	28W	2" x 10"
201050963	28W	2" x 12"
201050969	28W	4" x 10"
201050972	28W	4" x 12"
201050975	28W	4" x 14"

Series 16 Round Ceiling Diffusers

- Ideal in variable air volume systems
- Stamped steel
- White



Part #	Mfg #	Description
201051119	16	6"
201051122	16	8"
201051125	16	10"
20105*	16	12"

Series 12B Round Damper

- Galvanized steel construction
- Removable operator
- Nylon screw mechanism

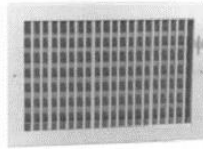


Part #	Mfg #	Description
201051143	12B	6"
201051146	12B	8"
201051149	12B	10"
20105*	12B	12"



Series RVMLW Wall Supply

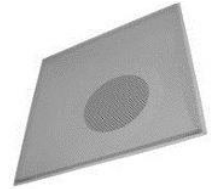
- One piece steel face
- White baked-on finish
- Individually adjustable extruded aluminum air foil



Part #	Mfg #	Description
20105*	RVMLW	8" x 6"
201051185	RVMLW	8" x 8"
201051188	RVMLW	10" x 4"
201051194	RVMLW	10" x 6"
20105*	RVMLW	10" x 8"
201051200	RVMLW	10" x 10"
201051203	RVMLW	12" x 4"
201051209	RVMLW	12" x 6"
201051212	RVMLW	12" x 8"
201051215	RVMLW	12" x 10"
201051218	RVMLW	12" x 12"
20105*	RVMLW	14" x 4"
201051227	RVMLW	14" x 6"
201051230	RVMLW	14" x 8"
20105*	RVMLW	14" x 10"
20105*	RVMLW	14" x 12"
20105*	RVMLW	16" x 6"
201051248	RVMLW	16" x 8"
20105*	RVMLW	20" x 6"
201051284	RVMLW	20" x 8"
20105*	RVMLW	20" x 10"
20105*	RVMLW	24" x 6"
20105*	RVMLW	24" x 8"
20105*	RVMLW	24" x 10"
201051308	RVMLW	24" x 12"

Series CS106 PR Return T-Bar Lay-In

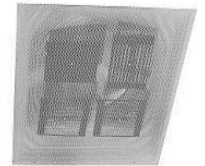
- Accommodates up to 16" collars
- Molded fiberglass plenum prescored for easy sizing with aluminum foil backing
- Fits standard 24" x 24" T-bar ceiling
- White finish



Part #	Mfg #	Description
201051340	CS106 PR	24" x 24" Return
201051350	CS FOP	24" x 24" Face Only

Series CS106 P4 T-Bar Lay-in

- Accommodates up to 15" collars
- Molded fiberglass plenum prescored for easy sizing with aluminum foil backing
- Fits standard 24" x 24" T-bar ceiling
- White EDP finish
- With 1/4" plenum & four-way deflector



Part #	Mfg #	Description
201051360	CS106 P4	24" x 24"

Series HVS-INS w/Damper High Volume Diffuser

- Includes collar, damper, insulation and handle



Part #	Mfg #	Description
201051392	HVS06	6"
201051394	HVS08	8"
201051396	HVS10	10"
201051398	HVS12	12"

Series 24W 4-Way Registers

- Multi-shutter damper
- Deflection angle set at 35°



Part #	Mfg #	Description
201058888	24W	8" x 8"

Ceiling Diffusers

Diffuser, Outlet Assembly & Damper in One

- Installs easily in 9" dia hole
- Adaptable to 6", 7" or 8" Dia ducts

Four-Way Grille



Part #	Mfg #	Description
201054000	P19W	Reg Diffuser Ceiling Mv-4 Airtec 4-way Sq

Round Grille



Part #	Mfg #	Description
201055000	P20W	Reg Diffuser Round Mv-360 Airtec Round



Buy from your wholesaler. As your wholesaler, we are carrying your stock of merchandise. We keep down your investment. You'll appreciate our service, and we appreciate your business.

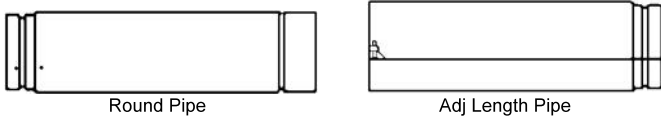
Galvanized Sheets

- Stocked in 2500lb skids
- Lockforming quality
- SMACNA gauges and galvanized coatings



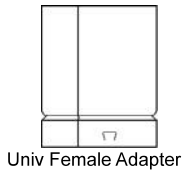
Part #	Mfg #	Description
20402	SM-283096	Metal Sheet Galv 28ga 30 x 96
20402	SM-283296	Metal Sheet Galv 28ga 32 x 96
20402	SM-224896	Metal Sheet Galv 22ga 48 x 96
20402010	SM-283696	Metal Sheet Galv 28ga 36 x 96
20402030	SM-282496	Metal Sheet Galv 28ga 24 x 96
20402040	SM-264896	Metal Sheet Galv 26ga 48 x 96
20402050	SM-263696	Metal Sheet Galv 26ga 36 x 96
20402055	SM-263296	Metal Sheet Galv 26ga 32 x 96
20402060	SM-263096	Metal Sheet Galv 26ga 30 x 96
20402065	SM-262496	Metal Sheet Galv 26ga 24 x 96
20402075	SM-244896	Metal Sheet Galv 24ga 48 x 96
20402085	SM-243696	Metal Sheet Galv 24ga 36 x 96
20402105	SM-2648120	Metal Sheet Galv 26ga 48 x 120
20402110	SM-2448120	Metal Sheet Galv 24ga 48 x 120

***Just Ask Us!
If We Don't Stock It,
We Usually Can Get It***



Round Pipe

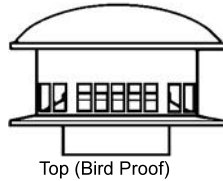
Adj Length Pipe



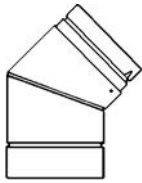
Univ Female Adapter



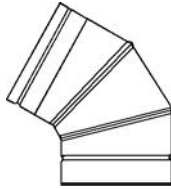
Univ Male Adapter



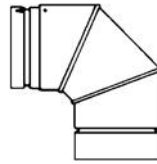
Top (Bird Proof)



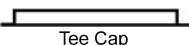
45° Adj Elbow



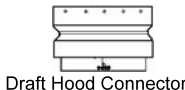
60° Adj Elbow



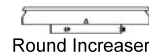
90° Adj Elbow



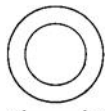
Tee Cap



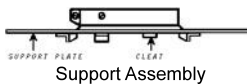
Draft Hood Connector



Round Increaser



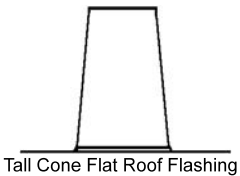
Galv Pipe Collar



Support Assembly



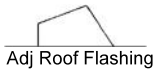
Vent Top



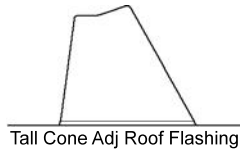
Tall Cone Flat Roof Flashing



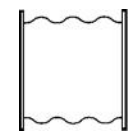
Storm Collar



Adj Roof Flashing



Tall Cone Adj Roof Flashing



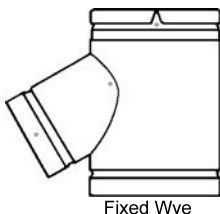
Adj Wall Thimble



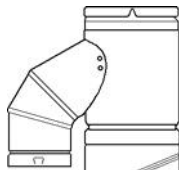
Rd to Oval Adapter



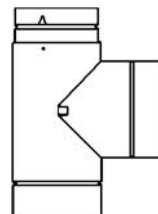
Wall Support



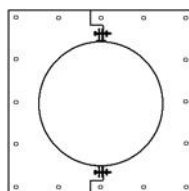
Fixed Wye



Adj Wye



Round Tee



Support Plate

Type "B" Gas Vent Pipe & Fittings 3" Gas Vent Round

Part #	Mfg #	Description
20501011	3RV-12	Gas Vent Metalbestos 3rv-12 3" x 12" Pipe
20501009	3RV-18	Gas Vent Metalbestos 3rv-18 3" x 18" Pipe
20501007	3RV-2	Gas Vent Metalbestos 3rv-2 3" x 2' Pipe
20501005	3RV-3	Gas Vent Metalbestos 3rv-3 3" x 3' Pipe
20501003	3RV-4	Gas Vent Metalbestos 3rv-4 3" x 4' Pipe
20501001	3RV-5	Gas Vent Metalbestos 3rv-5 3" x 5' Pipe
20501027	3RV-AF	Gas Vent Metalbestos 3rv-af 3"adj Roof Flas
20501028	3RV-AF12	Gas Vent Metalbestos 3rv-af12 3"steep Flash
20501015	3RV-AJ	Gas Vent Metalbestos 3rv-aj12 3"x12"adjpipe
20501	3RV-EL60	Gas Vent Metalbestos 3rv-el45/60 3"adj 60el
20501017	3RV-EL90	Gas Vent Metalbestos 3rv-90 3" 90 Elbow
20501041	3RV-I4	Gas Vent Metalbestos 3 x 4rv Increaser
20501042	3RV-I5	Gas Vent Metalbestos 3 x 5rv Increaser
20501025	3RV-RT	Gas Vent Metalbestos 3rv-rt 3" Top
20501029	3RV-SC	Gas Vent Metalbestos 3rv-sc 3" Storm Collar
20501043	3RV-TF	Gas Vent Metalbestos 3rv-tf 3" Tall Cone

4" Gas Vent Round

Part #	Mfg #	Description
20501060	4RV-12	Gas Vent Metalbestos 4rv-12 4" x 12" Pipe
20501058	4RV-18	Gas Vent Metalbestos 4rv-18 4" x 18" Pipe
20501056	4RV-2	Gas Vent Metalbestos 4rv-2 4" x 2' Pipe
20501054	4RV-3	Gas Vent Metalbestos 4rv-3 4" x 3' Pipe
20501052	4RV-4	Gas Vent Metalbestos 4rv-4 4" x 4' Pipe
20501050	4RV-5	Gas Vent Metalbestos 4rv-5 4" x 5' Pipe
20501078	4RV-AF	Gas Vent Metalbestos 4rv-af 4"adj Rooflash
20501079	4RV-AF12	Gas Vent Metalbestos 4rv-af12 4"steep Flash
20501062	4RV-AJ	Gas Vent Metalbestos 4rv-aj 4"x12" Adj Pipe
20501067	4RV-EL60	Gas Vent Metalbestos 4rv-el45/60 4"adj 60el



4" Gas Vent Round (Continued)

Part #	Mfg #	Description
20501066	4RV-EL90	Gas Vent Metalbestos 4rv-90 4" 90 Elbow
20501084	4RV-I5	Gas Vent Metalbestos 4 x 5rv Increaser
20501	4RV-I6	Gas Vent Metalbestos 4 x 6rv Increaser
20501076	4RV-RT	Gas Vent Metalbestos 4rv-rt 4" Top
20501080	4RV-SC	Gas Vent Metalbestos 4rv-sc 4" Storm Collar
20501	4RV-TC	Gas Vent Metalbestos 4rv-tc 4" Tee Cap
20501093	4RV-TF	Gas Vent Metalbestos 4rv-tf 4" Flat Flash
20501070	4RV-TS	Gas Vent Metalbestos 4rv-ts 4" Tee

5" Gas Vent Round

Part #	Mfg #	Description
20501111	5RV-12	Gas Vent Metalbestos 5rv-12 5" x 12" Pipe
20501109	5RV-18	Gas Vent Metalbestos 5rv-18 5" x 18" Pipe
20501107	5RV-2	Gas Vent Metalbestos 5rv-2 5" x 2' Pipe
20501105	5RV-3	Gas Vent Metalbestos 5rv-3 5" x 3' Pipe
20501103	5RV-4	Gas Vent Metalbestos 5rv-4 5" x 4' Pipe
20501101	5RV-5	Gas Vent Metalbestos 5rv-5 5" x 5' Pipe
20501129	5RV-AF	Gas Vent Metalbestos 5rv-af 5"adj Roof Flas
20501130	5RV-AF12	Gas Vent Metalbestos 5rv-af12 5"steep Flash
20501112	5RV-AJ	Gas Vent Metalbestos 5rv-aj 5"x12" Adj Pipe
20501118	5RV-EL60	Gas Vent Metalbestos 5rv-el45/60 5"adj 60el
20501117	5RV-EL90	Gas Vent Metalbestos 5rv-90 5" 90 Elbow
20501135	5RV-I6	Gas Vent Metalbestos 5 x 6 Increaser
20501127	5RV-RT	Gas Vent Metalbestos 5rv-rt 5" Top
20501131	5RV-SC	Gas Vent Metalbestos 5rv-sc 5" Storm Collar
20501	5RV-TC	Gas Vent Metalbestos 5rv-tc 5" Tee Cap
20501143	5RV-TF	Gas Vent Metalbestos 5rv-tf 5" Flat Flash
20501121	5RV-TS	Gas Vent Metalbestos 5rv-ts 5" Tee

6" Gas Vent Round

Part #	Mfg #	Description
20501160	6RV-12	Gas Vent Metalbestos 6rv-12 6" x 12" Pipe
20501158	6RV-18	Gas Vent Metalbestos 6rv-18 6" x 18" Pipe
20501156	6RV-2	Gas Vent Metalbestos 6rv-2 6" x 2' Pipe
20501154	6RV-3	Gas Vent Metalbestos 6rv-3 6" x 3' Pipe
20501152	6RV-4	Gas Vent Metalbestos 6rv-4 6" x 4' Pipe
20501150	6RV-5	Gas Vent Metalbestos 6rv-5 6" x 5' Pipe
20501180	6RV-AF	Gas Vent Metalbestos 6rv-af 6"adj Rooflash
20501181	6RV-AF12	Gas Vent Metalbestos 6rv-af12 6"steep Flash
20501161	6RV-AJ	Gas Vent Metalbestos 6rv-aj 6"x12" Adj Pipe
20501167	6RV-EL60	Gas Vent Metalbestos 6rv-el45/60 6"adj 60el
20501166	6RV-EL90	Gas Vent Metalbestos 6rv-90 6" 90 Elbow
20501785	6RV-5/6WV	Gas Vent Metalbestos 6rv-5/6wv Adaptor
20501178	6RV-RT	Gas Vent Metalbestos 6rv-rt 6" Top
20501182	6RV-SC	Gas Vent Metalbestos 6rv-sc 6" Storm Collar
20501	6RV-TC	Gas Vent Metalbestos 6rv-tc 6" Tee Cap
20501196	6RV-TF	Gas Vent Metalbestos 6rv-tf 6" Tall Flash
20501170	6RV-TS	Gas Vent Metalbestos 6rv-ts 6" Tee

7" Gas Vent Round

Part #	Mfg #	Description
20501	7RV-12	Gas Vent Metalbestos 7rv-12 7" x 12" Pipe
20501	7RV-2	Gas Vent Metalbestos 7rv-2 7" x 2' Pipe
20501205	7RV-3	Gas Vent Metalbestos 7rv-3 7" x 3' Pipe
20501	7RV-4	Gas Vent Metalbestos 7rv-4 7" x 4' Pipe
20501201	7RV-5	Gas Vent Metalbestos 7rv-5 7" x 5' Pipe
20501227	7RV-AF	Gas Vent Metalbestos 7rv-af 7"adj Rooflash
20501	7RV-AF12	Gas Vent Metalbestos 7rv-af12 7"steep Flash
20501217	7RV-EL90	Gas Vent Metalbestos 7rv-90 7" 90 Elbow
20501225	7RV-RT	Gas Vent Metalbestos 7rv-rt 7" Top
20501229	7RV-SC	Gas Vent Metalbestos 7rv-sc 7" Storm Collar
20501	7RV-TC	Gas Vent Metalbestos 7rc-tc 7" Tee Cap
20501239	7RV-TF	Gas Vent Metalbestos 7rv-tf 7" Flat Flash
20501	7RV-TS	Gas Vent Metalbestos 7rv-ts 7" Tee

8" Gas Vent Round

Part #	Mfg #	Description
20501	8RV-12	Gas Vent Metalbestos 8rv-12 8" x 12" Pipe
20501256	8RV-2	Gas Vent Metalbestos 8rv-2 8" x 2' Pipe
20501254	8RV-3	Gas Vent Metalbestos 8rv-3 8" x 3' Pipe
20501250	8RV-5	Gas Vent Metalbestos 8rv-5 8" x 5' Pipe
20501276	8RV-AF	Gas Vent Metalbestos 8rv-af 8"adj Rooflash
20501	8RV-EL45	Gas Vent Metalbestos 8rv-45 8" 45 Elbow
20501266	8RV-EL90	Gas Vent Metalbestos 8rv-90 8" 90 Elbow
20501274	8RV-RT	Gas Vent Metalbestos 8rv-rt 8" Top
20501278	8RV-SC	Gas Vent Metalbestos 8rv-sc 8" Storm Collar
20501	8RV-TC	Gas Vent Metalbestos 8rv-tc 8" Tee Cap
20501288	8RV-TF	Gas Vent Metalbestos 8rv-tf 8" Flat Flash
20501	8RV-TS	Gas Vent Metalbestos 8rv-ts 8" Tee

10" Gas Vent Round

Part #	Mfg #	Description
20501293	10QC-18	Gas Vent Metalbestos 10qc-18 10" x 18" Pipe
20501291	10QC-30	Gas Vent Metalbestos 10qc-30 10" x 30" Pipe
20501297	10QC-45	Gas Vent Metalbestos 10qc-45 10" 45 Elbow
20501307	10QC-AF	Gas Vent Metalbestos 10qc-af 10"adj Rooflash
20501	10QC-AJ	Gas Vent Metalbestos 10qc-aj 10" x 18" Adj
20501303	10QC-RT	Gas Vent Metalbestos 10qc-rt 10" Top
20501309	10QC-SC	Gas Vent Metalbestos 10qc-sc 10"storm Collr
20501	10QC-TC	Gas Vent Metalbestos 10qc-tc 10" Tee Cap
20501305	10QC-TF	Gas Vent Metalbestos 10qc-tf 10" Flat Flash
20501	10QC-TS	Gas Vent Metalbestos 10qc-ts 10" Tee

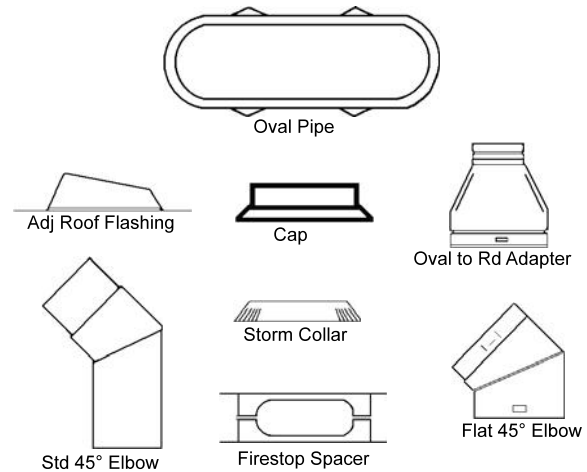
12" Gas Vent Round

Part #	Mfg #	Description
20501322	12QC-18	Gas Vent Metalbestos 12qc-18 12" x 18" Pipe
20501320	12QC-30	Gas Vent Metalbestos 12qc-30 12" x 30" Pipe

12" Gas Vent Round (Continued)

Part #	Mfg #	Description
20501326	12QC-45	Gas Vent Metalbestos 12qc-45 12" 45 Elbow
20501336	12QC-AF	Gas Vent Metalbestos 12qc-af 12"adj Rooflash
20501	12QC-AJ	Gas Vent Metalbestos 12qc-aj 12" x 18" Adj
20501332	12QC-RT	Gas Vent Metalbestos 12qc-rt 12" Top
20501338	12QC-SC	Gas Vent Metalbestos 12qc-sc 12"storm Collr
20501	12QC-TC	Gas Vent Metalbestos 12qc-tc 12" Tee Cap
20501334	12QC-TF	Gas Vent Metalbestos 12qc-tf 12" Flat Flash
20501	12QC-TS	Gas Vent Metalbestos 12qc-ts 12" Tee

Gas Vent Oval Pipe & Fittings



4" Gas Vent Oval

Part #	Mfg #	Description
20501	4WV-5	Gas Vent Metalbestos 4wv-5 4" x 5'oval Pipe
20501	4WV-RV4	Gas Vent Metalbestos 4wv-rv4 4"oval-rd Adpt

5" Gas Vent Oval

Part #	Mfg #	Description
20501	5/6WV-5	Gas Vent Metalbestos 5/6wv-5 5' Oval Pipe



6" Gas Vent Oval

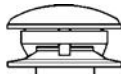
Part #	Mfg #	Description
20501	5/6WV-5RV	Gas Vent Metalbestos 5/6wv-5rv Adaptor
20501	5/6WV-6RV	Gas Vent Metalbestos 5/6wv-6rv Adaptor

Chimney Systems

- Rugged all fuel chimney
- Meets all UL® requirements
- Model SSII-Type HT tested to 2100°F
- Model SSII tested UL®-103 max temp of 1700°F
- Gravity venting only



Insulated Pipe



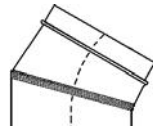
Round Top



Insulated Tee w/Cap



15° Insulated Elbow



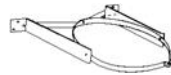
30° Insulated Elbow



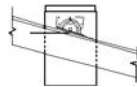
Dripless Adptr w/Coupler



Wall Support Kit



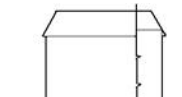
Wall Band



Roof Support



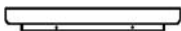
Ceiling Support



Attic Insulation Shield



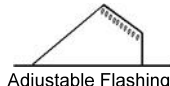
Fire Stop/Wall Spacer



Finishing Collar



Storm Collar



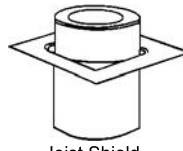
Adjustable Flashing



Roof Brace Kit



Locking Band



Joist Shield

SSII-Type HT 6" Insulated Pipe & Fittings

Part #	Mfg #	Description
20504078	6T-AF6	Chimney Pipe Mb 6t-af6 6" Adj Rooflash
20504	6T-AF12	Chimney Pipe Mb 6t-af12 6" Steep Flash
20504068	6T-CT	Chimney Pipe Mb 6t-ct 6" Top

SSII-Type HT 6" Insulated Pipe & Fittings (Continued)

Part #	Mfg #	Description
20504031	6T-DSAC	Chimney Pipe Mb 6t-dsac Dripless Smoke
20504	6T-EL30	Chimney Pipe Mb 6t-el30 6" Elbow Kit
20504026	6T-FSP	Chimney Pipe Mb 6t-fsp Finish Spt Pkg
20504	6T-IT	Chimney Pipe Mb 6t-it 6" Insulated Tee
20504	6T-RSP	Chimney Pipe Mb 6t-rsp Roof Spt Pkg
20504074	6T-SC	Chimney Pipe Mb 6t-sc 6" Storm Collar
20504	6T-TF	Chimney Pipe Mb 6t-tf 6" Tall Cone
20504002	6UT-36	Chimney Pipe Mb 6ut-36 6" x 3' Pipe
20504005	6UT-18	Chimney Pipe Mb 6ut-18 6" x 18" Pipe
20504	6T-WB	Chimney Pipe Mb 6t-wb 6" Wall Band
20504	6T-WSK	Chimney Pipe Mb 6t-wsk Wall Supprt Kit

SSII-Type HT 8" Insulated Pipe & Fittings

Part #	Mfg #	Description
20504288	8T-AF6	Chimney Pipe Mb 8t-af6 8" Adj Rooflash
20504292	8T-AF12	Chimney Pipe Mb 8t-af12 8" Steep Flash
20504278	8T-CT	Chimney Pipe Mb 8t-ct 8" Top
20504245	8T-DSAC	Chimney Pipe Mb 8t-dsac Dripless Smoke
20504	8T-EL30	Chimney Pipe Mb 8t-el30 8" Elbow Kit
20504240	8T-FSP	Chimney Pipe Mb 8t-fsp Finish Spt Kit
20504	8T-IT	Chimney Pipe Mb 8t-it 8" Insulated Tee
20504	8T-LB	Chimney Pipe Mb 8t-lb 8" Locking Band
20504284	8T-SC	Chimney Pipe Mb 8t-sc 8" Storm Collar
20504286	8T-TF	Chimney Pipe Mb 8t-tf 8" Tall Cone
20504	8UT-9	Chimney Pipe Mb 8ut-9 8" x 9" Pipe
20504218	8UT-18	Chimney Pipe Mb 8ut-18 8" x 18" Pipe
20504214	8UT-36	Chimney Pipe Mb 8ut-36 8" x 3' Pipe
20504	8T-WB	Chimney Pipe Mb 8t-wb 8" Wall Band
20504	8T-WSK	Chimney Pipe Mb 8t-wsk 8" Wall Spt Kit

*We Feature The Brand Name Products
You Are Looking For*

Missouri: St. Louis - Columbia - Festus - Jackson - Joplin - Springfield - St. Peters - Union - **Illinois:** Springfield - Swansea - **Kansas:** Kansas City

Specifications Subject to Change Without Notice

Page A - 71

Items included are those regularly stocked. We can special-order sizes and related items.

Flexible Chimney Liners



Chimney Liner



Installation Cone

Flexible Chimney Liner Kits

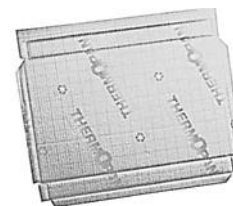
- Aluminum materials
- Complete flex kit includes: flex liner, round top, flashing with 3" collar, and mortar guard

Part #	Mfg #	Description
7020630	AF3-35K	Chimney Lining Kit Alum 3" x 35' Af3-35k
7020633	AF4-35K	Chimney Lining Kit Alum 4" x 35' Af4-35k
7020636	AF5-35K	Chimney Lining Kit Alum 5" x 35' Af5-35k
7020639	AF6-35K	Chimney Lining Kit Alum 6" x 35' Af6-35k

ThermO-Headers™

For Tight Sealing Air Blocks

- ThermO-Headers are pre-cut & scored to fit easily between joists
- Specially-sized headers are cut & scored to fit I-joist construction



Part #	Mfg #	Description
2060116012	16012	16 x 12 Thermo-pan Standard Joist Header
2060116017	16017	16 x 17 Thermo-pan I-joist Header



Round Galvanized Pipe



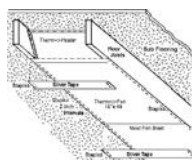
Part #	Mfg #	Description
2100210303	1	Pipe Single Wall 3" 30ga x 2'
2100210243	1	Pipe Single Wall 6" 24ga x 2'
2100210244	1	Pipe Single Wall 7" 24ga x 2'
2100210245	1	Pipe Single Wall 8" 24ga x 2'
2100210246	1	Pipe Single Wall 9" 24ga x 2'
2100210247	1	Pipe Single Wall 10" 24ga x 2'
2100210261	1	Pipe Single Wall 3" 26ga x 2'
2100210262	1	Pipe Single Wall 4" 26ga x 2'
2100210263	1	Pipe Single Wall 5" 26ga x 2'
2100210264	1	Pipe Single Wall 6" 26ga x 2'
2100210265	1	Pipe Single Wall 7" 26ga x 2'
2100210266	1	Pipe Single Wall 8" 26ga x 2'
2100210745	1	Pipe Single Wall 8" 26ga x 5'
2100210268	1	Pipe Single Wall 10" 26ga x 2'
2100210746	1	Pipe Single Wall 10" 26ga x 5'
2100210269	1	Pipe Single Wall 12" 26ga x 2'
2100210748	1	Pipe Single Wall 12" 26ga x 5'
2100210270	1	Pipe Single Wall 14" 26ga x 2'
2100210749	1	Pipe Single Wall 14" 26ga x 5'
2100210271	1	Pipe Single Wall 16" 26ga x 2'
2100210325	1	Pipe Single Wall 16" 26ga x 3'
2100210272	1	Pipe Single Wall 18" 26ga x 2'
2100210743	1	Pipe Single Wall 12" 28ga x 5'
2100210744	1	Pipe Single Wall 14" 28ga x 5'
2100210735	1	Pipe Single Wall 3" 30ga x 5'
2100210304	1	Pipe Single Wall 4" 30ga x 2'

THERMO-MFG., INC.

ThermO-Pan®

Return Air Panning

- THERMO-PAN® is a high quality, lightweight alternative to sheet metal in constructing return air ducts between joists
- Consists of corrugated insulation faced with aluminum
- Available in light weight sheets in many sizes
- Significantly reduces duct noises & labor
- Requires no shop fabrication
- 25 PC/Box



Part #	Mfg #	Description
2060116048	16048	Panning Return Air 16 x 47-1/2 Thermo-pan
2060132036	32036	Panning Return Air 32 x 35-1/2 Thermo-pan



Round Galvanized Pipe (Continued)

Part #	Mfg #	Description
2100210736	1	Pipe Single Wall 4" 30ga x 5'
2100210400	1	Pipe Single Wall 4" 30ga x 10'
2100210305	1	Pipe Single Wall 5" 30ga x 2'
2100210737	1	Pipe Single Wall 5" 30ga x 5'
2100210306	1	Pipe Single Wall 6" 30ga x 2'
2100210738	1	Pipe Single Wall 6" 30ga x 5'
2100210698	1	Pipe Single Wall 6" 30ga x 10'
2100210307	1	Pipe Single Wall 7" 30ga x 2'
2100210739	1	Pipe Single Wall 7" 30ga x 5'
2100210699	1	Pipe Single Wall 7" 30ga x 10'
2100210308	1	Pipe Single Wall 8" 30ga x 2'
2100210740	1	Pipe Single Wall 8" 30ga x 5'
2100210741	1	Pipe Single Wall 9" 30ga x 5'
2100210310	1	Pipe Single Wall 10" 30ga x 2'
2100210742	1	Pipe Single Wall 30/28ga 10" x 5'
2100210311	1	Pipe Single Wall 12" 30ga x 2'

Single Wall Lite Pipe

Part #	Mfg #	Description
2100210750	1	Pipe Single Wall Lite 6" x 10'
2100210755	1	Pipe Single Wall Lite 6" x 5'

Round Pipe Accessories Starting Collars w/Crimp Round Tabs



Part #	Mfg #	Description
2110411611	T25	Start Collar #25 4"
2110411612	T25	Start Collar #25 5"
2110411613	T25	Start Collar #25 6"
2110411614	T25	Start Collar #25 7"
2110411615	T25	Start Collar #25 8"
2110411617	T25	Start Collar #25 10"
2110411618	T25	Start Collar #25 12"
2110411619	T25	Start Collar #25 14"
2110411620	T25	Start Collar #25 16"

Unassembled Dampers

- With wing nut & handle



Part #	Mfg #	Description
2110413091	9	Damper Econo #9 6"



Tee Covers w/Crimp

Part #	Mfg #	Description
2110411253	65	Cleanout Cap #65 3"
2110411254	65	Cleanout Cap #65 4"
2110411255	65	Cleanout Cap #65 5"
2110411256	65	Cleanout Cap #65 6"
2110411257	65	Cleanout Cap #65 7"
2110411258	65	Cleanout Cap #65 8"
2110411259	65	Cleanout Cap #65 9" Xxx
2110411260	65	Cleanout Cap #65 10"
2110411261	65	Cleanout Cap #65 12"

Tapered Reducers No Crimp



Part #	Mfg #	Description
2110415511	66	Reducer #66 4 x 3 No Crimp
2110415513	66	Reducer #66 5 x 3 No Crimp
2110415514	66	Reducer #66 5 x 4 No Crimp
2110415516	66	Reducer #66 6 x 3 No Crimp
2110415518	66	Reducer #66 6 x 4 No Crimp
2110415519	66	Reducer #66 6 x 5 No Crimp
2110415523	66	Reducer #66 7 x 6 No Crimp
2110415527	66	Reducer #66 8 x 6 No Crimp
2110415528	66	Reducer #66 8 x 7 No Crimp
2110415538	66	Reducer #66 10 x 8 No Crimp
2110415539	66	Reducer #66 10 x 9 Xxx No Crimp
2110415546	66	Reducer #66 12 x 10 No Crimp
2110415549	66	Reducer #66 14 x 12 No Crimp
2110415554	66	Reducer #66 16 x 14 No Crimp



Elbows & Angles

4-Piece Adjustable 90° Elbows



Part #	Mfg #	Description
2110410941	3	El Single Wall 6" 24ga 90 Elbow
21104	3	El Single Wall 7" 24ga 90 Elbow
2110410943	3	El Single Wall 8" 24ga 90 Elbow
2110410944	3	El Single Wall 9" 24ga 90 Elbow
21104	3	El Single Wall 10" 24ga 90 Elbow
21104	3	El Single Wall 12" 24ga 90 Elbow
2110410969	3	El Single Wall 18" 26ga 90 Elbow
2110410958	3	El Single Wall 3" 26ga 90 Elbow
2110410959	3	El Single Wall 4" 26ga 90 Elbow
2110410960	3	El Single Wall 5" 26ga 90 Elbow
2110410961	3	El Single Wall 6" 26ga 90 Elbow
2110410962	3	El Single Wall 7" 26ga 90 Elbow
2110410963	3	El Single Wall 8" 26ga 90 Elbow
2110410965	3	El Single Wall 10" 26ga 90 Elbow
2110410966	3	El Single Wall 12" 26ga 90 Elbow
2110410967	3	El Single Wall 14" 26ga 90 Elbow
2110410968	3	El Single Wall 16" 26ga 90 Elbow
2110411020	3	El Single Wall 10" 30ga 90 Elbow
2110411008	3	El Single Wall 12" 30ga 90 Elbow
2110411024	3	El Single Wall 14" 30ga 90 Elbow
2110410999	3	El Single Wall 3" 30ga 90 Elbow
2110411000	3	El Single Wall 4" 30ga 90 Elbow
2110411001	3	El Single Wall 5" 30ga 90 Elbow
2110411003	3	El Single Wall 6" 30ga 90 Elbow
2110411004	3	El Single Wall 7" 30ga 90 Elbow
2110411005	3	El Single Wall 8" 30ga 90 Elbow
21104	3	El Single Wall 9" 30ga 90 Elbow

Rectangular Duct Fittings

Flat 90° Duct Angles



Part #	Mfg #	Description
2110412061	190	El Horizontal #190 12 x 8
2110412062	190	El Horizontal #190 14 x 8
2110412063	190	El Horizontal #190 16 x 8
2110412064	190	El Horizontal #190 18 x 8
2110412065	190	El Horizontal #190 20 x 8
2110412067	190	El Horizontal #190 24 x 8

Vertical 90° Duct Elbows



Part #	Mfg #	Description
2110411927	116	El Verticle #116 12 x 8
2110411928	116	El Verticle #116 14 x 8
2110411929	116	El Verticle #116 16 x 8
2110411931	116	El Verticle #116 20 x 8
2110411933	116	El Verticle #116 24 x 8

Reverse Duct End Caps



Part #	Mfg #	Description
2110412106	21250	End Cap #21250 8 x 8
2110412107	21250	End Cap #21250 10 x 8
2110412108	21250	End Cap #21250 12 x 8
2110412109	21250	End Cap #21250 14 x 8
2110412110	21250	End Cap #21250 16 x 8
2110412111	21250	End Cap #21250 18 x 8
2110412112	21250	End Cap #21250 20 x 8
2110412113	21250	End Cap #21250 22 x 8
2110412114	21250	End Cap #21250 24 x 8

Trunk Tap Starting Collars



Part #	Mfg #	Description
2110411835	45	Start Collar #45 12 x 8
2110411840	45	Start Collar #45 14 x 8
2110411842	45	Start Collar #45 16 x 8
2110411844	45	Start Collar #45 18 x 8
2110411847	45	Start Collar #45 20 x 8
2110411849	45	Start Collar #45 24 x 8

Trunk Adapters



Part #	Mfg #	Description
2110411885	49	Rdcr Trunkline #49 2"
2110411886	49	Rdcr Trunkline #49 4"
2110411887	49	Rdcr Trunkline #49 6"



Connectors "S" Cleats



Part #	Mfg #	Description
2110410671	20	Cleat S Flat #20 10"
2110410672	20	Cleat S Flat #20 12"
2110410675	20	Cleat S Flat #20 14"
2110410676	20	Cleat S Flat #20 16"
2110410678	20	Cleat S Flat #20 18"
2110410680	20	Cleat S Flat #20 20"
2110410681	20	Cleat S Flat #20 22"
2110410684	20	Cleat S Flat #20 24"
2110410658	20	Cleat S #20 10'
2110410657	20	Cleat S Flat #20 5'

Standing "S" Cleats

Part #	Mfg #	Description
2110410660	22	Cleat S Standing 10' 1/2" Seam
2110410659	22-1	Cleat S Standing 10' 1" Seam

Drive Cleats



Part #	Mfg #	Description
2110410661	18	Cleat Drive #18 8"
2110410662	18	Cleat Drive #18 5'
2110410663	18	Cleat Drive #18 10' 28ga

Rectangular Duct Containerized Rectangular Duct



Part #	Mfg #	Description
2110410459	100	Duct Rectangular 8 x 8 x 60
2110410460	100	Duct Rectangular 10 x 8 x 60
2110410540	100	Duct Rectangular 10 x 8 x 96
2110410461	100	Duct Rectangular 12 x 8 x 60
2110410541	100	Duct Rectangular 12 x 8 x 96
2110410462	100	Duct Rectangular 14 x 8 x 60
2110410542	100	Duct Rectangular 14 x 8 x 96
2110410463	100	Duct Rectangular 16 x 8 x 60
2110410543	100	Duct Rectangular 16 x 8 x 96
2110410464	100	Duct Rectangular 18 x 8 x 60

Containerized Rectangular Duct (Continued)

Part #	Mfg #	Description
2110410544	100	Duct Rectangular 18 x 8 x 96
2110410465	100	Duct Rectangular 20 x 8 x 60
2110410545	100	Duct Rectangular 20 x 8 x 96
2110410466	100	Duct Rectangular 22 x 8 x 60
2110410546	100	Duct Rectangular 22 x 8 x 96
2110411770	100	Duct Rectangular 24 x 10 x 48
2110410467	100	Duct Rectangular 24 x 8 x 60
2110410547	100	Duct Rectangular 24 x 8 x 96
2110410470	100	Duct Rectangular 30 x 8 x 60"



Cold Air Return Products Cold Air Drop Kits

Part #	Mfg #	Description
2110411693	70K	Return Drop #70K 20 x 14
2110411694	70CAD	Return Drop #70CAD 20 x 16
2110411695	71CAD	Return Drop #71CAD 24 x 16



Filter Frames

Part #	Mfg #	Description
2110421481	FR	Filter Frame #FR 24ga 16 x 20
2110421482	FR	Filter Frame #FR 24ga 16 x 25
2110421483	FR	Filter Frame #FR 24ga 20 x 20
2110421484	FR	Filter Frame #FR 24ga 20 x 25



Joist Panning

Part #	Mfg #	Description
2110421470	16	Panning Joist #16 16-1/2 x 31-3/8
2110421472	16	Panning Joist #16 33 x 31-3/8



Return Air Support Boxes

Part #	Mfg #	Description
2110411741	RASB30	Support Box Return Air #RASB30 30 x 28 To 8 x 24
2110411742	RASB30	Support Box Return Air #RASB30 38x28 To 10x24



Register Boots & Register Pans 90° Elbow Boots

Part #	Mfg #	Description
2110412711	P13	Boot Angle #P13 2-1/4 x 10 x 6
2110412719	P13	Boot Angle #P13 2-1/4 x 12 x 6
2110412725	P13	Boot Angle #P13 2-1/4 x 12 x 6 3" Ext
2110412738	P13	Boot Angle #P13 4 x 10 x 6
2110412740	P13	Boot Angle #P13 4 x 10 x 6 3" Ext
2110412746	P13	Boot Angle #P13 4 x 12 x 6
2110412748	P13	Boot Angle #P13 4 x 12 x 7
2110412760	P13	Boot Angle #P13 4 x 14 x 8
2110412767	P13	Boot Angle #P13 6 x 10 x 6
2110412769	P13	Boot Angle #P13 6 x 12 x 6
2110412771	P13	Boot Angle #P13 6 x 12 x 8
2110412774	P13	Boot Angle #P13 6 x 14 x 8

Elbow Tablock

Part #	Mfg #	Description
2110421506	T5-DB6	El Tablock #T5-DB6 6"
2110421507	T5-DB6	El Tablock #T5-DB6 7"
2110421508	T5-DB6	El Tablock #T5-DB6 8"



End Register Boots

Part #	Mfg #	Description
2110412845	P17	Boot End Center #P17 2-1/4 x 10 x 6
2110412847	P17	Boot End Center #P17 2-1/4 x 12 x 6
2110412867	P17	Boot End Center #P17 4 x 10 x 6
2110412876	P17	Boot End Center #P17 4 x 12 x 6
2110412878	P17	Boot End Center #P17 4 x 12 x 7
2110412850	P17	Boot End Center #P17 2-1/4 x 12 x 6 3" Ext
2110412869	P17	Boot End Center #P17 4 x 10 x 6 3" Ext



Left End Register Boots

Part #	Mfg #	Description
2110412788	P17L	Boot End Left #P17L 2-1/4 x 12 x 6
2110412807	P17L	Boot End Left #P17L 4 x 10 x 6
2110412790	P17L	Boot End Left #P17L 2-1/4 x 12 x 6 3" Ext



Right End Register Boots

Part #	Mfg #	Description
2110412908	P17R	Boot End Right #P17R 2-1/4 x 12 x 6
2110412927	P17R	Boot End Right #P17R 4 x 10 x 6
2110412911	P17R	Boot End Right #P17R 2-1/4 x 12 x 6 3" Ext



Straight Boots

Part #	Mfg #	Description
2110412965	P5	Boot Straight #P5 2-1/4 x 10 x 6
2110412968	P5	Boot Straight #P5 2-1/4 x 12 x 6



Straight Boots (Continued)

Part #	Mfg #	Description
2110412987	P5	Boot Straight #P5 4 x 10 x 6
2110412996	P5	Boot Straight #P5 4 x 12 x 6
2110412998	P5	Boot Straight #P5 4 x 12 x 7
2110413005	P5	Boot Straight #P5 4 x 14 x 8



Oval Straight

Part #	Mfg #	Description
2110421645	6012	Boot Straight #6012 6 To 6 Oval

Register Pans

Part #	Mfg #	Description
2110413012	P5	Boot Straight #P5 6 x 10 x 6
2110413015	P5	Boot Straight #P5 6 x 12 x 6
2110413020	P5	Boot Straight #P5 6 x 12 x 8
2110413025	P5	Boot Straight #P5 6 x 14 x 8



Wall Stack

Part #	Mfg #	Description
2110410592	200	Wall Stack #200-24 3-1/4" x 10" x 24"
2110410595	200	Wall Stack #200-100 3-1/4" x 10"
2110410593	200	Wall Stack #200-24 3-1/4" x 12"

Oval Pipe

Part #	Mfg #	Description
2110421609	60100	Pipe Oval #60100 6" 100" Lengths

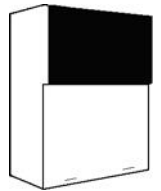
Oval Fittings Round to Oval No Crimp

Part #	Mfg #	Description
2110421657	585	El #585 90 6 x 6 Round To Oval



Stackheads 3-1/2" Throat No Ears

Part #	Mfg #	Description
2110412415	26	Stack Head #26 3-1/4 x 10 To 10 x 6



Oval End

Part #	Mfg #	Description
2110421660	586	Boot End #586 Oval 6 x 6



Stack Boots Center End

Part #	Mfg #	Description
2110412536	17	Boot Center End #17 3-1/4 x 12 x 6
2110412534	17	Boot Stack End #17s 3-1/4 x 10 x 6



Straight

Part #	Mfg #	Description
2110412511	5	Boot Straight #5 3-1/4 x 10 x 6





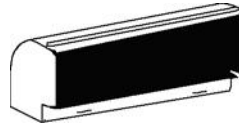
Elbow

Part #	Mfg #	Description
2110412560	13	Boot Stack Angle #13 3-1/4 x 10 x 6



EZ Turn Take-Off Economy Type

Part #	Mfg #	Description
2110412299	T3	E-z Turn Takeoff #T3 6"
2110412297	T3	E-z Turn Takeoff #T3 7"
2110412296	T3	Takeoff #T3 8"



Stack Fittings 90° Short Way Angle

Part #	Mfg #	Description
2110412462	216	EI #2163-1/4 x 10

Top Take-Off 1/4" Flange - 1-1/4" Rise

Part #	Mfg #	Description
2110412300	T6	Top Takeoff #T6 7"
2110412301	T6	Top Takeoff #T6 8"

Take-Off Fittings/Starting Collars Ductboard Starting Collars With 6" throat

Part #	Mfg #	Description
2110421501	14	Takeoff Ductboard #14 6" Diameter 6" Body
2110421502	14	Takeoff Ductboard #14 7" Diameter 6" Body
2110421503	14	Takeoff Ductboard #14 8" Diameter 6" Body
2110421505	14	Takeoff Ductboard #14 12" Diameter 6" Body



Wye Branches & Tees Flue Wye Branches

Part #	Mfg #	Description
2110411250	421	Wye Branch #421 5 x 4 x 3

Wye Branches

Part #	Mfg #	Description
2110433654	719	719 6x5x4 Wye Branch
2110411236	719	Wye #719 8 x 6 x 6
2110411237	719	Wye #719 10 x 8 x 8



Take Off Fittings Plenum Take Off

Part #	Mfg #	Description
2110412194	T16	Top Takeoff #T16 6"
2110412257	T16	Top Takeoff #T16 7"
2110412260	T16	Top Takeoff #T16 8"



Full Flow Tees

Part #	Mfg #	Description
2110411213	6F	Tee Galv #6F 3"
2110411214	6F	Tee Galv #6F 4"
2110411216	6F	Tee Galv #6F 5"
2110411220	6F	Tee Galv #6F 6"
2110411228	6F	Tee Galv #6F 7"
2110411230	6F	Tee Galv #6F 8"
2110411232	6F	Tee Galv #6F 10"
2110411233	6F	Tee Galv #6F 12"

Adjustable Top or Side Take-Off

Part #	Mfg #	Description
2110412298	T6	Top Takeoff #T6 6"



Swivel Tees

Part #	Mfg #	Description
2110411242	407	Tee Swivel #407 6 x 5 x 3
2110411243	407	Tee Swivel #407 6 x 5 x 4
2110411244	407	Tee Swivel #407 6 x 4 x 3
2110411245	407	Tee Swivel #407 5 x 5 x 3
2110411246	407	Tee Swivel #407 5 x 4 x 3
2110411247	407	Tee Swivel #407 6 x 4 x 4
2110411248	407	Tee Swivel #407 5 x 4 x 4

Flexible Duct Fittings 6” Body Starting Collars

Part #	Mfg #	Description
2110411635	T27	Start Collar Flex Duct #T27 6” w/6”body
2110411637	T27	Start Collar Flex Duct #T27 7” w/6”body
2110411638	T27	Start Collar Flex Duct #T27 8” w/6” Body



Accessories Cold Air Frames

Part #	Mfg #	Description
2110421450	24F	Frame Plaster #24F 14 x 6
2110421455	24F	Frame Plaster #24F 30 x 6

Boot Rails

Part #	Mfg #	Description
2110412703	24CF	Boot Rail #24CF 4 x 10 17”-25” Rail 24CF41025
2110412706	24CF	Boot Rail #24CF 4 x 12 25” Rail

Boot w/ Rails

Part #	Mfg #	Description
2110412708	P13-54	Boot Angle #P13-54 4 x 10 x 6 25” Rail

Air-Tite™

ATT-90 90° Elbows

Part #	Mfg #	Description
2122666	6ATT90	Fitting Air Tite 6” EI90att Elbow
2122667	7ATT90	Fitting Air Tite 7” EI90att Elbow
2122668	8ATT90	Fitting Air Tite 8” EI90att Elbow
2122670	10ATT90	Fitting Air Tite 10” EI90att Elbow
2122672	12ATT90	Fitting Air Tite 12” EI90att Elbow

RATTR Round Pipe Take-Off

Part #	Mfg #	Description
2122676	RATTR6	Saddle Air Tite 6” Rattr
2122678	RATTR8	Saddle Air Tite 8” Rattr

THANK YOU!
*We appreciate
your business*

RATT
Round Pipe Plain Connection
Fitting



Part #	Mfg #	Description
2122617	5RATT	Fitting Air Tite 5" Ratt Plain
2122618	6RATT	Air/flowtite 21706000 6" Ratt Plain
2122619	7RATT	Air/flowtite 21707000 7" Ratt Plain
2122620	8RATT	Air/flowtite 21708000 8" Ratt Plain
2122622	10RATT	Air Tite 21710008 10" Ratt Plain
2122624	12RATT	Air Tite 21712008 12" Ratt Plain

CATT
Connection Fitting



Part #	Mfg #	Description
2122626	14CATT	Air Tite 21714006 14" Catt Plain
2122628	16CATT	Air Tite 21716006 16" Catt Plain
2122630	18CATT	Air Tite 21718006 18" Catt Plain



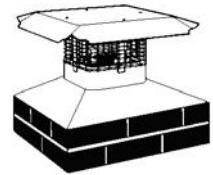
RATD
Round Pipe Fitting with Damper



Part #	Mfg #	Description
2122617	6RATD	Air/flowtite 21806000 6" Ratd w/Damper
2122636	8RATD	Air/flowtite 21808000 8" Ratd w/Damper
2122640	10RATD	Air Tite 21810008 10" Ratd w/Damper
2122642	12RATD	Air Tite 21812008 12" Ratd w/Damper

Aluminum Chimney Covers
Duro-Shield Multi-Fit

- All covers furnished with birdguard
- Easy to install
- Non-rusting
- Easily attaches to pipe with 1" draw band



Part #	Mfg #	Description
21205303	MF-303	Cover Chimney Mf-303 Multi-fit Hy-c
21205305	MF-305	Cover Chimney Mf-305 Multi-fit Hy-c

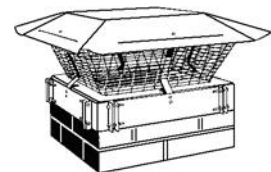
RATDS
Round Pipe Fitting with Damper
and Scoop



Part #	Mfg #	Description
2122606	6RATDS	Air Tite 22000600 6" Ratsd Scoop/damper
2122608	8RATDS	Air Tite 22000800 8" Ratsd Scoop/damper
2122610	10RATDS	Air Tite 220010008 10" Ratsd Scoop/damper
2122612	12RATDS	Air Tite 22001208 12" Ratsd Scoop/damper

Duro-Shield Band Around

- Hood is made from .040-18 gauge diamond embossed aluminum
- Brace 1.8" x 3/4" extruded aluminum
- Birdguard is galvanized 16 gauge steel with 1/2" x 1-1/2" opening
- Band is 2-1/4" x -.032-20 gauge diamond embossed aluminum
- Nuts & bolts are triple cadmium plated steel



Part #	Mfg #	Description
21205	182B	Chimney Cap 182-b Hy-c



Spiral Pipe & Fittings Available Up to 36"

SPIRAL SADDLE



Part No.	Size In.	Ctn. Qty.
Without Damper		
078260	6 on 8	A/O
074675	8 on 10	A/O
078277	6 on 10/12	A/O
074668	8 on 12/14	A/O
091702	10 on 12	A/O
078284	6 on 14/16/18	A/O
074651	10 on 14/16	A/O
074637	12 on 14/16	A/O
078826	8 on 16/18	A/O
078833	10 on 18/20	A/O
078857	12 on 18/20	A/O
With Damper		
077478	6 on 8	A/O
077256	8 on 10	A/O
077287	6 on 10/12	A/O
077249	8 on 12/14	A/O
077270	10 on 12	A/O
079045	6 on 14/16/18	A/O
077294	10 on 14/16	A/O
077300	12 on 14/16	A/O
077263	8 on 16/18	A/O
077348	10 on 18/20	A/O
077355	12 on 18/20	A/O

SPIRAL END CAP



Part No.	Size In.	Ctn. Qty.
079311	4	A/O
079328	5	A/O
079335	6	A/O
079342	7	A/O
096295	8	A/O
079359	9	A/O
092310	10	A/O
091610	12	A/O
092839	14	A/O
078017	16	A/O
079366	18	A/O
079373	20	A/O
079380	22	A/O
079397	24	A/O

SPIRAL PIPE



Part No.	Size In. x Ft.	Ctn. Qty.
26 Gauge		
079298	4 x 10	1
075337	5 x 10	1
090750	6 x 10	1
075344	7 x 10	1
090767	8 x 10	1
075351	9 x 10	1
090774	10 x 10	1
090781	12 x 10	1
090798	14 x 10	1
24 Gauge		
095397	16 x 10	1
096394	18 x 10	1
075122	20 x 10	1
079113	22 x 10	1
079120	24 x 10	1

90° DOUBLE CRIMPED ELBOW



Part No.	Size In.	Ctn. Qty.
097070	4	A/O
093812	6	A/O
091443	7	A/O
092709	8	A/O
093829	10	A/O
093836	12	A/O
093843	14	A/O
030775	16	A/O
079478	18	A/O
077355	20	A/O
074569	22	A/O
092655	24	A/O

Regulator Sets Quadrant Damper

- Kit includes:
- Retractable bearing
- Square bearing
- Stamped handle - quadrant regulator



Part #	Mfg #	Description
21207015	DHQS38	Regulator 3/8" Eqr4 Replaces Durody Ks-385

Hammer On K-70 Contents:

- 1 Handle
- 1 Bearing
- 1 Washer
- 2 Wing Nuts



Part #	Mfg #	Description
21207051	DHK70	Regulator KWIKI Set

Notch Lock Duct Connectors Commercial Fabrics

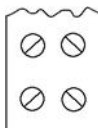
Part #	Mfg #	Description
2121005	CNV100	Connector CNV100 333 100'

Vinylon Duct Connectors Residential Fabrics

Part #	Mfg #	Description
2121011	CNRV100	Connector CNRV100 100' 1 3/4 x 2 x 1 3/4

Vane Rail

- Galvanized Steel
- 100' Rolls



Part #	Mfg #	Description
2121015	RAIVR	Vane Rail RAIVR 4 1/2" x 100'

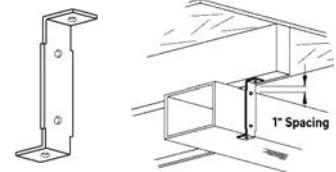


Basset Brackets - Galvanized Self-Nailing



Part #	Mfg #	Description
2121220	A-1	Basset Bracket A-1 50/carton

Square Duct Hangers - Galvanized 18 Gauge



Part #	Mfg #	Description
2121238	BH-8	Hanger Duct Bh-8 8" Basset Square
2121239	BH-9	Hanger Duct Bh-9 9" Basset Square



Roof Caps Steel

- Backdraft bumper and birdscreen built in



Part #	Mfg #	Description
21203634	RC-634	Roof Cap Rc-634 Black Damper Broan
21203636	RC-636	Roof Cap Rc-636 Black Damper Broan

Plastic Wall Vents Fixed Louver

- High Impact Polypropylene Plastic
- Formulated with UV inhibitors for greater stability in all weather conditions



Part #	Mfg #	Description
21203650	AI-6W	Ai6w Air Intake Louver White



Fantech Belt-Drive Downblast Exhaust Fan

All ventilators are UL Standard 705
All motor and drive packs comply with minimum efficiency levels of EPAAct of '92
Models 5BDD13-5BDD49 available with hazardous location configuration
CFM Range: 955 31308
Inlet temps up to 170
Spun aluminum construction with steel support braces
Standard and Restaurant roof curbs available

Accessories available:

NEMA 1, 3R and 4 disconnect switches
backdraft damper



Dryer Booster Kit

The newest dryer booster fan from Fantech is the most advanced in the industry. The unit can be used to effectively boost dryer exhaust in duct runs up to 130 feet. Fan features galvanized steel housing and integrated airflow sensing switch.
Additional components include: mounting bracket, quick-connect/disconnect duct collar, 5 1/2 foot power cord with plug plus wall-mount indicator panel. LED light on wall panel lets homeowners know fan is working properly.



SHR1504

Compact design
Washable electrostatic filters
Aluminum heat recovery core
50 149 CFM @ 0.4 w.g.
3 speeds
6 top ports on VHR model
6 side ports on SHR model
Continuous exhaust only model

Accessories:

Eco-Touch Programmable wall control

Warranty:

7 years on motor
5 years on parts
Limited lifetime on core



VHR1504



Fantech Belt-Drive Upblast Exhaust Fan

All ventilators are UL Standard 705
All ventilators are UL Standard 762 when sold with complete motor and drive pack
All motor and drive packs comply with minimum efficiency levels of EPAAct of '92
Models 5BDU10-5BDU24 are wall mount capable
Models 5BDU13-5BDU36 available in hazardous location configuration
CFM Range: 941 17647
Inlet temps up to 300 degrees F
Spun aluminum construction with steel supports braces
Standard and Restaurant roof curbs available

Accessories available:

NEMA 1, 3R and 4 disconnect switches
Grease collector box
Hinge kit
backdraft damper and bird screen



FQ Series Bath Fan

Fantech FQ Series exhaust fans and fan lights provide remarkably quiet, energy efficient ventilation for baths, powder rooms and other areas.

Super quiet with as low as < 0.3 sones sound rating. Air performances of 80 to 110 CFM. Fans are designed for intermittent or continuous operation to meet ASHRAE Standard 62.2.

All models meet the Washington State Ventilation and Indoor Air Quality Code.

Thermal overload protection
120 volts; 60 hz

UL Listed for use over tub/shower enclosures when installed with GFCI branch circuit wiring
UL Listed for use in insulated ceilings (TYPE IC)



fantech

FIELD Type M OIL OR COAL - RESIDENTIAL



The M control lends itself ideally to conditions requiring a great deal of stability and accuracy. Designed for settings from .01" to .1", the Field M Control is recommended for oil or coals fired residential heating applications. The Type M features an indefinitely variable screw adjustment, permitting an extremely fine instrument setting. The M employs side wings to control air direction with gate curvatures designed to compensate for differences in horizontal and vertical settings.

FIELD TYPE MG1 GAS



The double-acting control for gas-fired furnaces and boilers. It is widely used for conversion burner installations, gas draft-induced appliance operation with mechanical draft inducers or sidewall power venters, gas atmospheric appliances where a draft hood cannot be installed, and can improve combustion stability and draft on many gas atmospheric installations with venting problems. The MG-1 provides precise, accurate control of drafts at levels higher than permitted by a standard draft diverter...a frequent requirement with gas. Because it is double-acting, it opens out to relieve positive vent system pressures as low as .001". Draft adjustments using weights are simple and accurate from .01" to .1".

FIELD TYPE M+MG2 SOLID, OIL OR GAS COMMERCIAL/INDUSTRIAL



This is a series of compact, rugged, heavy duty controls for use on large residential, commercial, and industrial applications. The Field Type M+MG2 Draft Control provides precise draft regulations for solid fuels, oil, gas, or oil/gas applications requiring only the simplest, on-the-job adjustments depending on which fuel is to be utilized.

In a gas installation, the Double-Acting Type M+MG2 is specified instead of a draft hood to give the appliance the assistance of the chimney. For oil/gas, the M+MG2 Double-Acting with a Field Thermal Switch. For oil or solid fuel, the Type M+MG@, Single Acting. For any installation with 10" or larger diameter smoke pipe, specify our standard M+MG2 Draft Control, the unit that can be adapted to any fuel. The moving part (or gate) rests on a long, thin, stainless steel knife edge which, in turn, is supported by self-aligning and self-cleaning bearings. When the heavy gauge gate moves, only the knife edge rests on the bearing for minimum friction and maximum sensitivity to draft changes.

TYPE RC OIL OR COAL - RESIDENTIAL/COMMERCIAL



The Field RC is furnished as standard equipment on many leading brands of oil or coal fired heating equipment. It is calibrated to allow for easy adjustment to the furnace or boiler manufacturer's specifications. Designed for settings from .02" to .08", this control is so sensitive that instrumentation should be used when adjusting the unit during installation.



Single Stage Low Voltage Thermostats

Heat/Cool Thermostats with Selector Switches (Sealed Mercury Cells)

- Single stage non-programmable single bimetal mechanical thermostat
- Dustproof sealed mercury cells or snap-action contacts w/dust cover
- Beige w/gold-tone dial or Classic White color
- Positive contact snap-switches on subbase
- Bimetal thermometer
- Heating & cooling anticipators provide narrow differential control of room temperature
- Adjustable 0.15 to 1.2A heating fixed 0 to 1.5A cooling anticipation
- Temp range: 50 - 90°F
- AUTO-ON fan, COOL-OFF-HEAT system

Universal Design Similar to 1F56-301 w/Added Features:

- Includes B & O terminals f/either single stage heat pumps or motorized “dampers” & “A” terminal f/1F56-306 electric heat applications
- For 1 or 2 transformer systems



Part #	Mfg #	Description
30106102	1F56W-444	Stat Htg/clg 1f56w-444 White-Rodgers

Heat Pump Thermostats

Comfort-Set® 80 Thermostats

Single Stage Electronic Thermostats for Gas, Oil, Electric Residential/Light Commercial Applications

- Choice of battery powered or hardwired models
- Fossil fuel or electric heat compatible
- 60% larger LCD w/backlit display
- Permanent program retention during power loss
- Configuration menu allows keypad selection of options
- Meets Energy Star specifications
- Classic White color



1F80-261



1F86-244

Part #	Mfg #	Description
30106151	1F80-261	Stat Digital Setback 1f80-261 White-Rodgers
30106240	1F86-244	Stat 1f86-244 Non-prog White-Rodgers

Multi-Stage & Heat Pump Multi-Stage Thermostats

- Choice of battery powered or hardwired models
- Fossil fuel or electric heat compatible
- 60% larger LCD w/backlit display
- Permanent program retention during power loss
- Electrical rating: 20 - 30 VAC
- Classic White color



1F82-261

Part #	Mfg #	Description
30106157	1F81-261	Stat Digital 2h/2c 1f81-261 White-Rodgers
30106175	1F83-261	Stat Digital 1f83-261 Non-prog 2h/1c

Comfort-Set® 70 Thermostats

Heat Pump Thermostats

- Hardwired models w/battery backup
- Fossil fuel or electric heat compatible
- Larger LCD w/backlit display
- Permanent program retention during power loss
- Selectable Celsius or Fahrenheit temperature display
- Selectable Energy Management Recovery (1F72-151)
- Classic White color



1F79-111

Part #	Mfg #	Description
30106142	1F79-111	Stat Digital 1f79-111 Non-prog Heat Pump

Single Stage Thermostats

- Fossil fuel or electric heat compatible
- Larger LCD w/backlit display
- Selectable Celsius or Fahrenheit temperature display
- Classic White color



1F79-444



1F78-151

Part #	Mfg #	Description
30106136	1F78-144	Stat Digital 1f78-144 Non-prog White-Rodgers
30106130	1F78-151	Stat Digital 1f78-151 Prog White-Rodger

Gas Burner Controls

36C Snap Open, Single Function & Standing Pilot Gas Valves

- Valve may be mounted in any position except upside down
- Gas cock knob, pilot adjust screw & regulator adjustment are on top of control
- Easy-grip pipe boss simplifies installation
- Use w/thermocouples
- Natural gas, includes LP conversion kit & reducer bushing kit
- -333 do not include inlet pressure tap, -433 does



Part #	Mfg #	Description
30106680	36C03-333	Gas Valve 36c03-333 1/2 x 3/4"

Universal Replacement Thermocouples

- Stainless steel element construction for prolonged life
- Each kit enclosed in plastic
- Universal adapter fittings included w/each kit



Part #	Mfg #	Description
30106724	H06E-24	Thermocouple Hose-24 24"
30106730	H06E-30	Thermocouple Hose-30 30"
30106736	H06E-36	Thermocouple Hose-36 36"

Universal Ignitor

- No need to replace existing module
- Replaces most silicon carbide igniters
- Super tough nitride igniter construction
- Power on LED indicator
- Kit includes: nitride igniter, universal mounting bracket, screw, 2 ceramic wire nuts
- 5-Year warranty

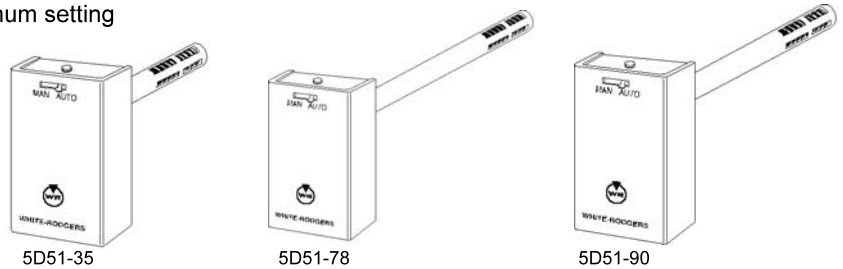


Part #	Mfg #	Description
30106780	21D64-2	Ignitor Kit

Warm Air Controls

Fan & Limit Controls for Universal Replacement

- Slotted mounting holes for easy installation
- Long terminal screws for wiring
- Limit switch has universal contact structure & can handle 240 VAC
- Limit switch has adjustable stop to limit maximum setting



Part #	Mfg #	Description
30106750	5D51-35	Control Fan/limit 5d51-35 5" Element
30106760	5D51-78	Control Fan/limit 5d51-78 11" Element
30106755	5D51-90	Control Fan/limit 5d51-90 8" Element

Snap Disc Controls

- Adjustable snap disc thermostat allows setting temperature set point to match specific needs
- 1/4" quick contact terminals are standard

Snap Disc Fan Controls - Adjustable

- Includes thermostat & tab-to-screw terminals



Part #	Mfg #	Description
4200239205	3F05-1	Snap Disc Fan Switch Adj 90-130 3f05-1



Snap Disc Limit Controls - Adjustable

Part #	Mfg #	Description
4200239220	3L05-1	Snap Disc Limit Switch Adj 135-175 Deg 3l05-1
4200239225	3L05-2	Snap Disc Limit Switch Adj 175-215 Deg 3l05-2

Braeburn Thermostats 1000 NC Thermostats



100 NC

Part #	Mfg #	Description
301091000	1000-NC	Digital Non-Prog 1H/1C
301091020	1020-NC	Digital Non-Prog 1H/1C
301091220	1220-NC	Digital Non-Prog 2H/1C
301092020	2020-NC	Digital Prog 5-2 Day 1H/1C
301092220	2220-NC	Digital Prog 5-2 Day 2H/1C
301093220	3220	Digital Non-Prog 3H/12C
301095020	5020	Digital Prog or Non-Prog 1H/1C
301095220	5220	Digital Prog or Non-Prog 3H/2C
301095320	5320	Digital or Non-Prog Auto Co 4H/2C

2020 NC Thermostats



2020 NC

Part #	Mfg #	Description
3010954165	165	Heat Only Const. Stat

6000 Series Thermostats



6100

Part #	Mfg #	Description
301096100	6100	Digital Touchscreen 1H/1C
301096300	6300	Digital Touchscreen 4H/2C
301096400	6400	Digital Touchscreen 4H/2C

Thermostats Accessories

Part #	Mfg #	Description
3010954175	5390	Indoor Remote
3010954185	5490	Outdoor Remote
3010954195	5970	Thermostat Guard

Braeburn Humidifiers BYPASS AND POWER HUMIDIFIERS

Part #	Mfg #	Description
3021520500	220500	BYPASS 24V 12 GPD Humidifier
3021520600	220600	BYPASS 24V 17 GPD Humidifier
3021520700	220700	POWER 120V 18 GPD Humidifier
3021529010		Replacement Pad for 22055
3021529019		Replacement Pad for 220600 and 220700



220700



220500

DL 389 - G2 PHOENIX PRO AND CLAMP METER

UEI TEST INSTRUMENTS

Part #	Mfg #	Description
3051371000	DL 389	G2 Phoenix PRO and Clamp Meter
3051371010	DL 379	G2 Phoenix PRO Clamp Meter
3051371020	INF - 165	12: 1 Infrared Thermometer
3051371030	PDT - 650	Pocket Digital Thermometer
3051371040	EM-201	Manometer
3051371050	ATT PC2	Pipe Clamp Probe
3051371060	DM- 383B	Multimeter
3051371070	ATL - 55	Test Leader



INF 165 -12:1 INFRARED THERMOMETER



PDT 650 - POCKET DIGITAL THERMOMETER





Tool Kits

Mini Starter Kit

- Includes assortment 12 tools, free 1601 tool box & 19 x 7 x 7-1/2 tray

Set Includes:

- C5, N1, S2, SL1, 8, 18, M2001, M2002, M14, A1, SH3 & DS2



Part #	Mfg #	Description
30401	STKM	Tool Hand Malco STKM Mini Start Kit

Snips for Metal & Vinyl

Andy™ 14" Pattern Snips

- Suitable f/mild curve cuts, straight shearing, or cutting multiple layers sheet metal
- Ground blade edge
- Lightweight aluminum handle
- Larger handle loops
- Extended blade tips
- 3-1/4" cutting length



Part #	Mfg #	Description
30401267	M14N	Tool Hand Malco M-14-N Snip

Andy™ Aluminum Snips

- Beveled blade edge
- Suitable f/straight shearing & left or right circular cuts down to 6" dia
- Lightweight aluminum handle
- Larger handle loops
- Extended blade tips
- 3-1/4" cutting length



Part #	Mfg #	Description
30401268	MC14N	Tool Hand Malco MC-14N Comb Snip

Offset Double Cut Snips



Part #	Mfg #	Description
30401	4R	Tool Hand Malco 4R Snip

Siding Tools

Snap Lock Punches for Siding

- Punch impression spaced 3/8" from edge of metal
- Heavy forged cutting jaw
- Nickel plate & black oxide finish
- Green grips



Part #	Mfg #	Description
30401426	SL1	Tool Hand Malco SL-1 Snap-lock Pn

Gutter & Downspout Tools

5-Blade Downspout Crimpers

- Produces a factory precision crimp
- Walls stay square for leakproof connection

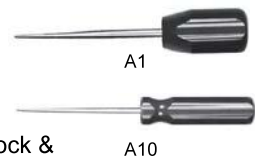


Part #	Mfg #	Description
30401	C4	Tool Hand Malco C-4 Crimper

Awls

Scratch Awls

- High carbon alloy tool steel blade polished to resist rust
- May be sharpened many times
- Easy-to-spot orange handles are shock & shatter resistant



Part #	Mfg #	Description
30401009	A1	Tool Hand Malco A-1 Scr Awl
30401018	A10	Tool Hand Malco A-10 Scr Awl

Scribers

Sheet Metal Scribers

Pocket Size

- Five teeth produce
- 10 scribing depths
- Compact scribe stores in pocket, pouch or tool box
- Use hang hole or magnet to keep handy on the job



Part #	Mfg #	Description
30401040	A40	Tool Hand Malco A-40 Scriber

Adjustable

- Measure, mark & scribe in one easy operation



Part #	Mfg #	Description
30401030	A60	Tool Hand Malco A-60 Scriber

Carbide Tipped Scriber

- Use to scribe fine lines
- Retractable tip is easily replaceable



Part #	Mfg #	Description
30401025	A50	Tool Hand Malco A-50 Carbide Tip Scr

Dividers

- Length: 11"
- Scratch awl points are easily resharpened or replaced
- Nickel plated steel body



Part #	Mfg #	Description
30401570	#18	Tool Hand Malco #18 Wing Divider
30401620	#24	Tool Hand Malco #24 Wing Divider

Seamers

Hand Seamers

- Bends & flattens metal easily
- Black vinyl cushion grips with handle stops
- All steel parts & hardware are nickel plated
- Makes permanent, tight fitting seams
- 1/4" - 1-1/4" diameter



Part #	Mfg #	Description
30401398	S2	Tool Hand Malco S-2 Seamer

Offset Hand Seamers

- Bends & flattens metal overhead or in confined areas



Part #	Mfg #	Description
30401400	S3	Tool Hand Malco S-3 Offset Seamer

6" Hand Seamers

Use for all the Metal Trades

- Wider jaws minimizes buckling & bowing



Part #	Mfg #	Description
30401405	S6	Tool Hand Malco S-6 Seamer

Folding Tools

- Folding seams are formed from two steel halves, permanently joined together
- 3/8" & 1" Depths



Part #	Mfg #	Description
30401545	12F	Tool Hand Malco 12F 1" Folding Tool
30401575	18F	Tool Hand Malco 18F 1" Folding Tool
30401577	24F	Tool Hand Malco 24F Folding Tool



Metal Duct Tools & Accessories

Hand Notchers

- Hook design of cutting jaw
- Facilitates notching corners or take-off tabs without slipping
- Blue grips



Part #	Mfg #	Description
30401313	N1	Tool Hand Malco N-1 Notcher
30401315	N2	Tool Hand Malco N-2 1" Notcher

Duct Stretcher

- Wheels can be changed to other side of tool for applications where side of duct is close to wall or obstruction



Part #	Mfg #	Description
30401099	DS1	Tool Hand Malco DS-1 Duct Stretcher
30401102	DS2	Tool Hand Malco DS-2 Duct Stretcher

Turboshear™

- Attaches to the chuck of 1200 RPM, 12 volt cordless or A/C electric drills. Makes fast cuts in sheet metal
- Requires 2 hands to operate
- Shear cuts to the left
- Capable of making precise 6" x 6" square hole cuts
- 20 Gauge capacity in galvanized sheet metal
- Material must be pre-set or held by an assistant



Part #	Mfg #	Description
30401470	TS1	Tool Hand Turboshear TS1 Malco

Hole Cutters

- Cuts holes up to 12" diameter
- in 20 ga sheet metal
- Use with any standard 1/4" electric drill
- Cast aluminum body
- All wearing parts made of special heat-treated steel



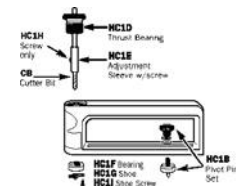
Part #	Mfg #	Description
30401158	HC-1	Tool Hand Malco HC-1 Hole Cutter
30401159	HC-2	Tool Hand Malco HC-2 Large Hole Cutter

Angle Drive Accessory

- Fits 1/4", 3/8" electric drills
- Comes with own chuck
- Works well with HC1 & HC2 hole cutters



Part #	Mfg #	Description
30401161	HCAD	Tool Hand Malco HC-AD Angle Drive Acc



HC Replacement Parts

Part #	Mfg #	Description
30401076	CB	Tool Acces Malco CB Cutter Bit
30401160	HC1B	Tool Hand Malco HC1-B Pivot Pin Set

Crimpers 5-Blade Pipe Crimper

- Longer shallower crimps replicate to factory precision indentations
- Length: 9-5/8"



Part #	Mfg #	Description
30401066	C5	Tool Hand Malco C-5 Crimper



Pipe & Duct Holders

- Like an extra pair of hands
- Two clamps & 4' of 125 lb tensile strength linked chain
- Clamp handles are 8" long
- Both clamps & chain are nickel plated steel



Part #	Mfg #	Description
30401580	2DH	Tool Hand Malco 2DH Duct Holder

Fiberglass Flex Duct Tools Tensioning Tool

- Hardened steel stampings with weather resistant nickel chrome finish



Part #	Mfg #	Description
30401462	TY6	Tool Hand Malco TY6 Adj Tensioner

Sheet Metal Fabricator

- Accommodates sheet metal up to 4' wide, any length
- Dual direction, cam-over style clamps keep anvil secure
- Makes bends to 135° in 22 ga GALV sheet metal
- Compact, 58 lb net weight nickel plated steel



Part #	Mfg #	Description
30401248	MB48	Tool Hand Malco MB-48A Port Mini Brake

Tie Tool

- Action tie tools feature long wearing, serviceable parts
- Comfortable handles reduce the pinch point area
- Works on all ties including thin designs



Part #	Mfg #	Description
30401460	TY4G	Tool Hand Malco TY4G Manual Tensioner

Fiberglass Ductboard Tools

Fiberglass Duct Hole Cutter

- For 1" fiberglass ductboard
- Cuts 4" to 20" diameter holes
- Operation is fast & easy
- Cutter rotates counter-clockwise



Part #	Mfg #	Description
30401145	FG1	Tool Hand Malco FG-1 FG Cutter

Flex Duct Cutter & Shear

- Double edged knife blade
- Thumb operated latch
- Easily resharpenable
- Handles feature non-slip vinyl grips
- Length: 11-7/8"



Part #	Mfg #	Description
30401120	FDC1	Tool Hand Malco FDC-1 Flex Duct Cutter

Double Edge Duct Knife

- Long life, double edge blade
- Resharpenable
- Use as an aid in fabricating fiberglass duct
- Made of heavy cutlery steel with hickory wood handle



Part #	Mfg #	Description
30401080	DK1	Tool Hand Knife F/G DK1

Reciprocating Saw Blades

Wood Cutting Blades - BiMetal By Malco™

Keyhole Profile - Variable Pitch

- For rough-in, contours in wood w/nails
- Varied tooth sizes permit overall coarser pitch f/aggressive cutting in wood w/nails



Part #	Mfg #	Description
30401006	4KH6	Tool Acces Malco 4KH6 Wood Cut Blade



Hammers & Accessories

Sheet Metal Hammers

Setting Hammer

- SH3 & SH3V has polished finish
- SH3B has blue finish



Part #	Mfg #	Description
30401420	SH3	Tool Hand Malco SH-3 Set Hammer

Drill Bits

- Fractional sizes in DRILDEX container

Double Enders (Bulk Box)



Part #	Mfg #	Description
30401078	DE30	DE-30 #30 Double End Drill Bit 12/pkg

Inserts

Hex Key Wrench Inserts



Part #	Mfg #	Description
30401389	RRW3/16	Tool Hand Malco RRW3/16 HK Insrt Wrnch

Fasteners

Zip-In™ Screws



Part #	Mfg #	Description
31104712	HW7x1/2Z	Screw Malco Zip-in HW 7 x 1/2" 15M/ctn

Nut Drivers

Long Drivers



Part #	Mfg #	Description
30401172	HHD-1	Tool Hand Malco HHD1 1/4" Mag Hex Drvr
30401173	HHD2	Tool Hand Malco HHD2 5/16" Mag Hex Drv

Zip-In™ Pails

Part #	Mfg #	Description
31104724	HW7X1/2ZP	Screw Malco Zip-in HW 7 x 1/2" 7500/ctn
31104730	HW8X1/2ZP	Screw Malco Zip-in HW 8 x 1/2" 7000/ctn

Painted Zip-In™ - White

Part #	Mfg #	Description
3110460	HW8X11/2Z WT	Screw Malco Zip-in HW 8 x 1-1/2" White WT

Power Drives & Inserts

1/4" Hex Shank Power Bits

Magnetic Hex Drivers

- 1/4" shank diameter



Part #	Mfg #	Description
30401272	MSH1/4	Tool Hand Malco MSH-1/4 Chuck Driver
30401274	MSH5/16	Tool Hand Malco MSH-5/16 Chuck Driver
30401273	MSH3/8	Tool Hand Malco MSH-3/8 Chuck Driver

Extra Long Style

- 1/4" shank diameter



Part #	Mfg #	Description
30401284	MSHXL1/4	Tool Hand Malco 1/4" MSHXL X-tra Long Drivr
30401285	MSHXL5/16	MSHXL516 5/16" Malco Extra Long Hex Chuck

Clamps

Drill Clamps



Part #	Mfg #	Description
30401475	TSDC	Tool Acces Malco TSDC Drill Clamp TS1

Aviation Snips

Compound Leverage

- Hot drop-forged molybdenum alloy steel & austemper heat-treated blades
- 40/100 inch serrated blades
- Meets all US government & ANSI/ASME cutting test standards for length & pressure of cut
- Heavy duty double-overwind spring guaranteed for life
- Thumb activated safety latch
- Made in USA

Upright

- Right-angle blades for easier cutting in tight spaces
- Cutting Capacity: 24ga CR; 28ga SS



P6900L



P6900R

Part #	Mfg #	Description
30409012	P6900L	Tool Midwest Upright P-6900L Left Cut Snip
30409015	P6900R	Tool Midwest Upright P-6900R Right Cut Snip

Regular w/Grips

- 9-3/4" Nom cut length
- Cutting capacity: 18ga CR, 22ga SS



Part #	Mfg #	Description
30409005	P6716S	Tool Hand Midwest P6716-s Str Cut Snip
30409003	P6716L	Tool Hand Midwest P6716-l LT Cut Snip
30409001	P6716R	Tool Hand Midwest P6716-r Rt Cut Snip

Offset

- Flow material away from blades
- Makes long cuts easier
- 9-3/4" Nom cut length
- Cutting capacity: 18ga CR, 22ga SS



Part #	Mfg #	Description
30409009	P6510L	Tool Hand Midwest P6510-l Offst LT Snip
30409007	P6510R	Tool Hand Midwest P6510-r Offst Rt Snip

Advanced Cable Ties

Cable Ties

Extra Heavy Duty



Part #	Mfg #	Description
3050136	AL-36-175-9-L	Cable Tie Nylon 36" A-36-175-9L
3050148	AL-48-175-8-L	Cable Tie Nylon 48" A-48-175-8L

PANDUIT

Pan-Steel® Cable Ties

- Low threading force
- Especially well-suited for network bundling of data & power cables
- Excellent ultraviolet and chemical resistance
- Stainless Steel
- Non-Flammable
- UL Listed



Part #	Mfg #	Description
3050199	MLT2S-CP	Strap Stainless Steel 8" Mlt2s-cp

Dynatemp International

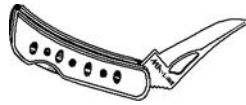
Refrigerant

Part #	Mfg #	Description
3050340	R-22	Refrigerant R-22 30lb
30503410	R-410A	Refrigerant R410a 25 lb Cylinder
30503421	R-421A	Refrigerant 25 lb Cylinder

If you need a product not listed in this catalog, please check with us. We have not listed every product we can get for you.

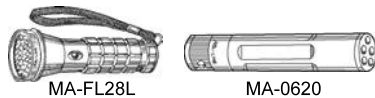
Pocket Knives - Stainless Steel

- Lock back action with safety lock



Part #	Mfg #	Description
3050900007	MA-KVS007	Ma-kvs007 Pocket Knife

Flashlights



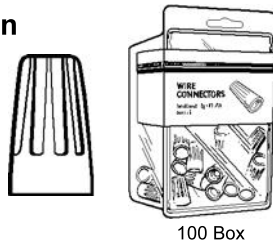
Part #	Mfg #	Description
3050900028	MA-FL28L	MAFL28L Flashlights
3050900035	MA-0620	MA0620 Flashlights



Wire Connectors

Wire Connectors - Screw On

- DOT classified for recovery, recycling, service



Part #	Mfg #	Description
4200225931	623-002	Wire Nut 100/box 25931 Blue 623-002
4200225932	623-003	Wire Nut 100/box 25932 Orange 623-003
4200225933	623-004	Wire Nut 100/box 25933 Yellow 623-004
4200225934	623-005	Wire Nut 100/box 25934 Red 623-005

Wire Ties

Wire Ties - Nylon

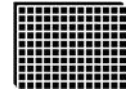


Part #	Mfg #	Description
4200286109	WTB11C	Wire Tie 11" 100/pkg Black Wtb-11c

Ventilation Products

Air Return Diffusers

- White polystyrene 1/2" open cell grid



Part #	Mfg #	Description
2122010	650-200	Panel Egg Crate 650-200 2' x 4' x 3/8"

Roof Flashing

- 24 gauge galvanized steel
- Automatically adjusts to pipe size and roof angle

Part #	Mfg #	Description
3050911853	5-11853	Flashing No Caulk 2" Galv Base (5-11853)
3050911886	5-11866	Flashing No Caulk 3" Galv Base (5-11866)

Roof Louver

- No need for screen
- Square hood, large nailing flange

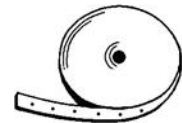


Part #	Mfg #	Description
21203042	6-R50A	Louver Roof Alum 6-r50a

Duct Hangers

Plastic Hanger Strap

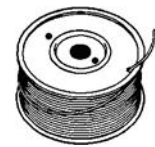
- Flexible, non-conductive, 3/4"W x 0.050 thick
- Load tested to 120 lbs



Part #	Mfg #	Description
3050906800	710-P100	Strap Hanger Plastic 710-p100 3/4" x 100'

Hanging Wire

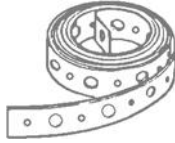
- 18 gauge galvanized on reel



Part #	Mfg #	Description
3050906600	710-185G	Wire Hanging 18ga 5lb 710-185g

Strapping Hanger Iron

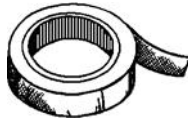
- Galvanized vent strapping, hanger iron, plumber's tape, pipe hanger tape & other uses
- 1/4" centers for bolts or nails



Part #	Mfg #	Description
3050906505	710-A1710	Strap Pipe Galv 10' 710-a1710
3050906510	710-A16100	Strap Hanger Galv 100' 710-a16100

Duct Strap - Woven Polypropylene

- Webbed, high tensile, abrasion & chemical resistant
- Use for flex duct



Part #	Mfg #	Description
3050906700	710-100	1-3/4" x 100 Yds Black Duct Strap 710-100

Clear Vinyl Tubing

- For air conditioning & refrigeration condensate drains, condensate pump discharge
- lines & humidifier overflows

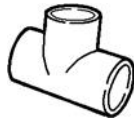


Part #	Mfg #	Description
3050905150	7-12	Tube Vinyl 100' 1/2" id 7-12
3050905162	7-58	Tube Vinyl 100' 5/8" id 7-58

PVC Condensate Pipe

Part #	Mfg #	Description
326080075	5-2002	Pipe PVC 3/4" x 10' Psi-200 5-2002

PVC Schedule 40 Pressure Fittings Tee (Slip x Slip x Slip)



Part #	Mfg #	Description
326084480	5-401007	Tee PVC 3/4" Slipxslipxslip5-401007

90° EII (Slip x Slip)

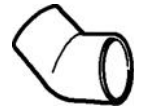


Part #	Mfg #	Description
326084505	5-406007	EI PVC 90 3/4" SLIP x SLIP 5-406007

90° Street EII (SPIG x Slip)

Part #	Mfg #	Description
326084520	5-409007	EI PVC 90 3/4" Street SPIG x SLIP 5-409007

45° EII (Slip x Slip)



Part #	Mfg #	Description
326084539	5-417007	EI PVC 45 3/4" SLIP x SLIP 5-417007

Coupling (Slip x Slip)



Part #	Mfg #	Description
326084408	5-429007	Coupling PVC 3/4" SLIP x SLIP 5-429007

Female Adapter (Slip x FIP)



Part #	Mfg #	Description
326084425	5-435007	Adaptor Female 3/4" SLIP x FIPT 5-435007

Male Adapter (MIP x Slip)



Part #	Mfg #	Description
326084418	5-436007	Adaptor Male 3/4" SLIP x MIPT 5-436007

Traps (Slip x Slip)



Part #	Mfg #	Description
326084565	5-408	Trap PVC P 3/4" 5-408
326084560	5-409	Trap PVC Running 3/4" 5-409



PVC Tee 2" (Hub x Hub x Hub)

Part #	Mfg #	Description
326083015	WTB11C	Tee PVC 2" HxHxH 5-401020



Couplings (Hub x Hub)

Part #	Mfg #	Description
326083002	5-100020	Coupling PVC 2" DWV H x H 5-100020 #73269
326083003	5-100030	Coupling PVC 3" DWV H x H 5-100030 #73270
326082754	510-D102338	Coupling PVC 3 x 2" 510-d102338 #73271



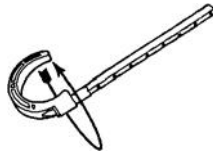
90° EII (Hub x Hub)

Part #	Mfg #	Description
326082252	5-300020	EI PVC 90 2"dwv 5-300020 HxH
326082277	510-D304020	EI PVC 90 2" DWV Long Sweep HxH 510-d304020
326082253	5-300030	EI PVC 90 3" DWV 5-300030 HxH
326082278	510-D304030	EI PVC 90 3" DWV Long Sweep HxH 510-d304030



45° EII (Hub x Hub)

Part #	Mfg #	Description
326082502	5-321020	EI PVC 45 2" DWV H x H 5-321020
326082503	5-321030	EI PVC 45 3" DWV H x H 5-321030



Plastic DWV J-Hooks

Part #	Mfg #	Description
3050918242	515-J2000	J Hook 2 x 9" DWV 515-j2000
3050918243	515-J3000	J Hook 3 x 9" DWV 515-j3000

PVC Drain Waste & Vent Pipe

Part #	Mfg #	Description
326080200		Pipe PVC 2" x 10' DWV Sch40 5-404
326080300		Pipe PVC 3" x 10' DWV Sch40 5-405

Black Iron and Steel Pipe Fittings

Malleable Black Iron Pipe Fittings

- Material: ASTM A 197 Cupola Malleable Iron 150 lb.
- Dims: ANSI B 16.3 Malleable Iron Threaded Fittings
ANSI B 16.14 Ferrous Pipe Plugs, Bushings, etc.
ANSI B 16.39 Malleable Iron Threaded Pipe Unions
- Threads: ANSI B 2.1 or BS 21
- Tensile Strength: 28.4 kg/mm.min



90° EII

Part #	Mfg #	Description
32615015	BPF-01	EI Black Steel 90 1/2" Bpf-01



Coupling

Part #	Mfg #	Description
32615075	BPF-07	Coupling Black Steel 1/2" Bpf-07



90° Street EII

Part #	Mfg #	Description
32615039	BPF-13	EI Black Steel 90 1/2" Street Bpf-13



Tee

Part #	Mfg #	Description
32615057	BPF-16	Tee Black Steel 1/2" Bpf-16



Cap

Part #	Mfg #	Description
32615096	BPF-25	Cap Black Steel 1/2" Bpf-25



Union

Part #	Mfg #	Description
32615105	BPF-31	Union Black Steel 1/2" Class 150 Bpf-31

Black Steel Welded Nipples

- ASTM A-120 (NOM-B-10)
- Sch 40
- 700 PSI test Pressure Welded Steel



Part #	Mfg #	Description
32615300	BPN-1	Nipple Black Close 1/2 x 1-1/8" Bpn-1
32615306	BPN-3	Nipple Black 1/2 x 2" Bpn-3
32615312	BPN-5	Nipple Black 1/2 x 3" Bpn-5
32615318	BPN-7	Nipple Black 1/2 x 4" Bpn-7
32615330	BPN-11	Nipple Black 1/2 x 6" Bpn-11 73679

Flexible Gas Connectors

30 Series - Range
1/2" MIP x 1/2" MIP



Part #	Mfg #	Description
3261293000	30-3131-24	Connector Gas Flex 24" 30-3131-24 Dormont
3261293010	30-3131-36	Connector Gas Flex 36" 30-3131-36 Dormont

Gas Ball Valves

Straight Side Tapped (FIP x FIP)



Part #	Mfg #	Description
3261292323	92-3232	Gas Ball Valve 1/2" 92-3232 Dormont
3261292424	92-4242	Gas Ball Valve 3/4" 92-4242 Dormont

Copper Fittings Couplings



Part #	Mfg #	Description
305081009	C165-0002	Coupling Copper 3/8" 3/8"od 1/4" id 10154
305081028	C165-0090	Coupling Copper 3/4" 3/4"od 5/8" id 10157
305081034	C165-0100	Coupling Copper 7/8" 7/8"od 3/4" id 10158

90° Long Turn Ell



Part #	Mfg #	Description
305082716	C242-0002	El Copper 90 Long Rad 107-I 3/8" OD
305082728	C242-0090	El Copper 90 Long Rad 107-I 3/4" OD
305082734	C242-0100	El Copper 90 Long Rad 107-I 7/8" OD

Street Ell FTG. x C



Part #	Mfg #	Description
305082828	C272-0090	El Copper 90 Long Rad Street 3/4" od 10131
305082834	C272-0100	El Copper 90 Long Rad Street 7/8" od 10132

Oatey Cements

All-Purpose Clear Cement

For ABS, PVC & CPVC Pipe & Fittings

- Heavy-bodied, pipes & fittings up to 12" Dia
- Apply at temps 40° to 90°F



Part #	Mfg #	Description
3260873175	530-30821	Cement PVC Regular 8oz Oatey 73175
3260873176	530-30834	Cement PVC Regular 16oz Oatey 73176

Oatey Primers / Cleaners

Purple Primer - Black Label

- For all PVC & CPVC
- Removes surface dirt & grease, softens pipe surface



Part #	Mfg #	Description
3260830756	530-30756	Purple Primer 8oz Oatey 530-30756

Piercing Valves

“MAC” Line Piercing Valve

- Uniport, one connection for piercing & servicing
- Needle automatically back seats after servicing

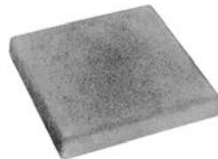


Part #	Mfg #	Description
42002031	QTM-1	Valve Line Piercing 1/4,5/16,3/8 Qtm-1

Equipment Pads

Ultralite™ Lightweight

- Concrete pad at weight of plastic
- EPS core prevents warping and provides solid bottom to resist settling
- Limited lifetime warranty



2 Inch

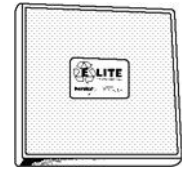
Part #	Mfg #	Description
4112670	U2-2424	Condenser Pad 24 x 24 Ultralite
4112676	U2-3030	Condenser Pad 30 x 30 Ultralite
4112682	U2-3636	Condenser Pad 36 x 36 Ultralite
4112685	U2-4040	Condenser Pad 40 x 40 Ultralite

3 Inch

Part #	Mfg #	Description
4112690	U3-5053	Condenser Pad 50x53x3 Ultralite

E-Lite™ Plastic Equipment Pads

- Molded with size label & symbol
- representing content of recycled material
- Rounded edges & concrete gray color
- Limited lifetime warranty



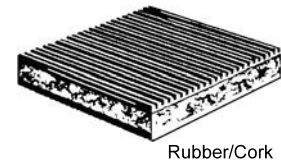
2 Inch

Part #	Mfg #	Description
4112696	EL2424-2	Condenser Pad Plastic 24 x 24 x 2 Elite
4112697	EL3030-2	Condenser Pad Plastic 30 x 30 x 2 Elite
4112698	EL3636-2	Condenser Pad Plastic 36 x 36 x 2 Elite

Anti-Vibration Pads

Mounting Pads

- Elastomeric oil resistant padding
- Withstands 50 lbs per square inch



Part #	Mfg #	Description
3050906432	MP-2	Vibration Pad Rubber Mp2 2 x 2 x 3/8"

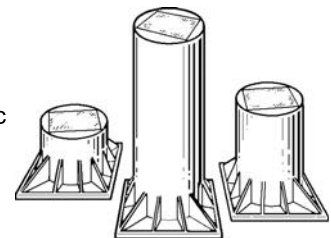
The E.V.A Pad - Extreme Vibration Attenuation

- Composite foam core for greater vibration-dampening
- Outperforms cork and rubber by a margin of 3 to 1

Part #	Mfg #	Description
3050906133	MP-3E	Vibration Pad Mp-3e 3 x 3 x 7/8" Eva

Heat Pump Risers

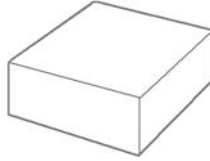
- One-piece, heavy-duty plastic
- Butyl mastic on top & bottom



Part #	Mfg #	Description
3050904008	HPR6	Heat Pump Riser 6" Hpr-6

Air Handler Block

- Lightweight styrofoam block (concrete gray) provides A/C air handler support in attic
- installations



Part #	Mfg #	Description
3050906130	7-60	Air Handler Block 7-60 8 x 8 x 4"

Condensate Drain Pans A/C Secondary Condensate Drain Pans

- Rolled edges for durability
- Ribbed bottoms for rigidity
- 3/4" PVC FTGS included



Part #	Mfg #	Description
3050917590	6-2748L	Drain Pan 27 x 48" 6-2748L
3050917617	6-3060L	Drain Pan 30 x 60" 6-3060L

Capacitors Motor Run- 370 VAC, Single Capacitance



Part #	Mfg #	Description
4200212005	37050-H	Capacitor 5mfd 370v Run 37050-h
4200212007	37075-H	Capacitor 7/5mfd 370v Run 37075-h
4200212008	37100-H	Capacitor 10mfd 370v Run 37100-h
4200212010	37150-H	Capacitor 15mfd 370v Run 37150-h
4200212017	37300-H	Capacitor 30mfd 370v 37300-h
4200212018	37350-H	Capacitor 35mfd 370v 37350-h
4200212021	37400-H	Capacitor 40mfd 370v 37400-h
4200212023	37450-H	Capacitor 45mfd 370v 37450-h

Motor Run - 440 VAC



Part #	Mfg #	Description
4200212037	45200-H	Capacitor 20mfd 440v 45200 H
4200212040	45250-H	Capacitor 25mfd 440v 45250-h
4200212041	45300-H	Capacitor 30mfd 440v 45300-h

Motor Run - 440 VAC (Continued)

Part #	Mfg #	Description
4200212043	45350-H	Capacitor 35mfd 440v 45350 H
4200212045	45400-H	Capacitor 40mfd 440v 45400 H
4200212048	45450-H	Capacitor 45mfd 440v 45450 H

Motor Run - 440 VAC, Dual Capacitance, Ovular



Part #	Mfg #	Description
4200212188	4JJ7535	Capacitor 35/7.5 440v Dual 4jj7535

Motor Run - 440 VAC, Dual Capacitance, Round



Part #	Mfg #	Description
4200212187	4JR-0530	Capacitor 30/5 440v Dual 4jr0530
4200212185	4JR-0535	Capacitor 35/5 440v Dual 4jr0535
4200212086	4JR-0540	Capacitor 40/5 440v Dual 4jr0540

Definite Purpose Contactors Two Pole, Small Frame

Part #	Mfg #	Description
4200291321	DP30224	Contactator 30a 2p 24v Ec-30224
4200291421	DP40224	Contactator 40a 2p 24v Ec-40224

Three Pole, Large Frame

Part #	Mfg #	Description
4200291432	DP30324	Contactator 30a 3p 24v Ec-30324
4200291439	DP40324	Contactator 40a 3p 24v Ec-40324

Relays

General Purpose Relays - 8400 Series

Part #	Mfg #	Description
4200290290	D90-290Q	Relay Fan 24v SPST D90-290q

General Purpose Relays - 9400 Series

Part #	Mfg #	Description
4200290370	D90-370	Relay Fan 24v SPDT D90-370

General Purpose Switching Relays

Part #	Mfg #	Description
4200290340	D-90340	Relay Fan 24v Power- Power Se-90340
4200290380	04850	Relay 24v Spno-spnc D90-380

Pull-A-Spout Oiler

- All purpose oiler
- 14" telescoping spout



Part #	Mfg #	Description
3050940019	CO-1	Oil Zoom Spout Oiler 4oz Co-1

Lubricants

WD-40™

- Loosens rusted parts, stops leaks, protects metal
- Removes tar, grease & adhesives, displaces moisture



Part #	Mfg #	Description
4200240015	741-002	Lubricant 11oz Can Wd-40 741-002

Rust Breaker

- Loosens rusted bolts, screws, shafts, piping etc
- Telescoping spout applicator

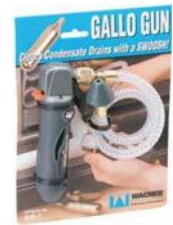


Part #	Mfg #	Description
3050940020	CR-1	Rust Buster 4oz Cr-1

Condensate Drain Cleaners

Gallo Gun

- Clears condensate drains, lightweight, portable Creates 800 PSI pressure



Part #	Mfg #	Description
3050918500	GG-1	Tool Hand Gallo Gun Gg-1 For A/C Lines
3050918510	GGC-12	Tool Acces Gallo Gun Swoosh Co2 12pk Ggc-12

Leak Detectors

Leak Finder

- Specially formulated for refrigeration and air conditioning systems especially automotive



Part #	Mfg #	Description
4200295098	CL-8	Leak Detector Gas Cl8 w/Brush

True-Blue™ Leak Detector

- High bubbling, high viscosity

Part #	Mfg #	Description
4200295099	800-002	Leak Detector Quart True Blue 800-002



Sealants

DiversiGum Sealing Compound

- Non-hardening, for plugging openings through foundations or around refrigeration tube entry



Part #	Mfg #	Description
3050901004	6-202-2	Adh Thum-gum 2lb 6-202-2

Wasp & Hornet Killer

- Kills wasps, hornets & yellow jackets
- Fast acting when hit directly

Wasp & Hornet Killer by ENFORCER®

- Shoots 20' jet blast



Part #	Mfg #	Description
4200296050	8-WH16	Bee Killer Wasp/hornet 16oz Enforcer 8-wh16

Batteries by Rayovac™

Rayovac Industrial Maximum Alkaline



Part #	Mfg #	Description
4200279403	7-ALAA	Battery Alkaline Aa 7-ala
4200279404	7-ALAAA	Battery Alkaline Aaa 7-aaaa
4200279402	7-ALC	Battery Alkaline C Cell 7-alc
4200279401	7-ALD	Battery Alkaline D Cell 7-ald
4200279405	7-AL9V	Battery Alkaline 9v 7-al9v

Sheet Metal Screws

Taper Point

- Hex washer slotted head
- Full 1/4" head



Part #	Mfg #	Description
3110514156	5SCR63-8	Screw Taper-point SI 6 x 3/8" 1m/pk
3110514159	5SCR71-2	Screw Taper-point SI 7 x 1/2" 1m/pk
3110514160	5SCR81-2	Screw Taper-point SI 8 x 1/2" 1m/pk
3110514161	5SCR83-4	Screw Taper-point SI 8 x 3/4" 1m/pk
3110514174	5SCR81	Screw Taper-point SI 8 x 1" 500/pk

Taper Point (Continued)

Part #	Mfg #	Description
3110514175	5SCR81-12	Screw Taper-point SI 8 x 1-1/2" 250/pk
3110514176	5SCR82	Screw Taper-point SI 8 x 2" 350/pk

Abrasive Cloth

- Aluminum oxide, 120 grit, works wet or dry



Part #	Mfg #	Description
3050908971	SC-10	Cloth Abrasive Sc-10 1-1/2" x 10yd

Fin Tools

SuperComb

- Straightens 50% more condenser & evaporator fins in one stroke
- Heavy duty nylon



Part #	Mfg #	Description
3050900198	T-400	Tool Hand Fin Tool T-400 Super Comb Set

If you are looking for old or obsolete parts, we can find them or furnish a comparable substitute. Let us know and we will do our best to help you.

Thermostat Guards

585-TG2

- Old No. 585-BT GK
- Medium size
- Ring & solid bases included
- Solid: 5-1/4"H x 4-3/8"W x 3"D
- Ring: 5-1/4"H x 4-5/8"W x 3-1/4"D



Part #	Mfg #	Description
4200270204	585-TG2	Stat Guard Clear 585-tg

Electrical

Handy Boxes

Standard Steel Utility



Part #	Mfg #	Description
3050907595	620-201	Handy Box 1-7/8" Deep 1/2" Ko 620-201

Standard Steel Utility Covers



Part #	Mfg #	Description
3050907621	620-253	Cover Plate Toggle Switch 620-253

Electrical Toggle Switch

- Side wire design w/auto grounding
- Large binding head terminal screws, lubricated cam



Part #	Mfg #	Description
3050908601	625-1301W	Toggle Switch 15a Std Frame 625-1301-w

Disconnects

Part #	Mfg #	Description
4200283314	MA-FD60A	Disconnect 60amp Fused Metallic Ma-fd60a
4200283315	80-315	Disconnect Box 60 Amp Non-fused 80315

LiquidTite Flex Conduit & Fittings

DiversiWhips - Non-Metallic Connectors

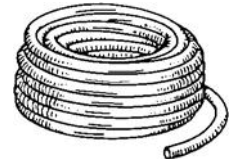
- Liquid-tight flexible conduit system



Part #	Mfg #	Description
3050907801	6-12-4NM	Connector A/C Whip 4' 1/2" St/90 6-12-4nm
3050907803	6-12-6NM	Connector A/C Whip 6' 1/2" St/90 6-12-6nm
3050907805	6-34-4NM	Connector A/C Whip 4' 3/4" St/90 6-34-4nm
3050907807	6-34-6NM	Connector A/C Whip 6' 3/4" St/90 6-34-6nm

LiquidTite Flexible Conduit

- Specifically for electrical applications
- Cuts easily



Part #	Mfg #	Description
3050907440	750-12100	Liquidtite Non-met 750-12100 1/2"x100'
3050907441	750-34100	Liquidtite Non-met 750-34100 3/4"x100'

Straight Connectors - LiquidTite Non-Metallic



Part #	Mfg #	Description
3050913170	01714	Connector Str Non-met 1/2" Ftg 13170
3050913171	750-NMLT75	Connector Str Non-met 3/4" Ftg 13171

90° EII Connectors - LiquidTite Non-Metallic



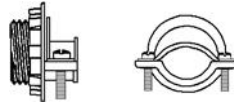
Part #	Mfg #	Description
3050913172	B-924	Connector 90 Non-met 1/2" 13172
3050913173	750-NMLT90 75	Connector 90 Non-met 3/4" 13173

EMT Thinwall Steel Conduit & FTGS EMT Thinwall Fittings



Part #	Mfg #	Description
3050907544	625-304	Strap Hole 1/2" Emt 1 625-304
3050907546	625-372	Strap Hole 1" Emt 1 625-372

Romex Connectors - Metallic Cable connectors for Romex wire, zinc die-cast



Part #	Mfg #	Description
3050907575	750-RC841	Connector Romex 3/8" 750-rc841

Fusible Links

- Temperature-sensitive, one-time devices
- Safety links, open the circuit if limit temperature reached

Face Plates

Part #	Mfg #	Description
4200234709	HFL-5300	Hfl-5300 Fusible Link 300 Degree

Electric Heater Element Replacement Section Kits

- Kits included a specific kw replacement element, two ceramic terminal insulator
- sets, plated bolts, nuts & washers



Part #	Mfg #	Description
4200234601	HEK-500	Electric Heat Restrung Kit 240v 5000w Hek-500

Time Delays

Adjustable Delay on Break Timer

- Adjusts from 6 seconds to 8 minutes
- Spin-proof knob
- Works with 24, 120 or 240 VAC control circuits
- Supports up to 1.5 Amps
- 2 Wire hookup for easy installation



Part #	Mfg #	Description
4200232392	ADB-1	Timer Delay On Break Adb-1

Adjustable Delay on Make Timer

- Adjusts from 6 seconds to 8 minutes
- Spin-proof knob
- Works with 24, 120 or 240 VAC control circuits
- Supports up to 1.5 Amps
- 2 Wire hookup
- Ideal for random starting of multiple units



Part #	Mfg #	Description
4200232391	ADM-1	Timer Delay On Make Adm-1

Hard Start Kits

- Solid state for all PSC compressors
- from 1/2 to 10 HP
- Can be used on units
- that operate on 120 - 240V



Part #	Mfg #	Description
4200232701	DST-5	Start Assist 1/2-5hp Dst-5
4200232702	DST-6	Start Assist 1/2-10hp Dst-6

Transformers

Class 2 1585 UL Recognized - Open Frame

Part #	Mfg #	Description
4200250352	T-1401	Transformer 40va 120-24v T1401
4200250354	T-1404	Transformer 40va 120/208/240-24v T-1404

Motors

Direct Drive Furnace Blower Motors

- Standard motor casing size
- Low power consumption
- Continuous duty, air over
- Automatic thermal overload protector
- Uses 370V capacitors
- Electrically reversible
- Standard shaft length, diameter, & flats



Part #	Mfg #	Description
4200203583	WG840583	Motor 1/4hp 115v 3spd Wg840583
4200203584	WG840584	Motor 1/4hp 230v 3spd Wg840584
4200203585	WG840585	Motor 1/3hp 115v 3spd Dir Dr Wg840585
4200203586	WG840586	Motor 1/3hp 208/230v 3spd Dir Dr Wg840586
4200203587	WG840587	Motor 1/2hp 115v 3spd Dir Dr Wg840587
4200203588	WG840588	Motor 1/2hp 208/230v 3spd Dir Dr Wg840588
4200203589	WG840589	Motor 3/4hp 115v 3spd Dir Dr Wg840589
4200203590	WG840590	Motor 3/4hp 208/230v Wg840590

Condenser Fan Motors

- Standard motor casing size
- Low power consumption
- Continuous duty, air over
- Automatic thermal overload protector
- Uses 370V capacitors
- Electrically reversible
- Standard shaft length, diameter, & flats
- Extended studs



Part #	Mfg #	Description
4200203728	WG840728	Motor 1/4hp 208/230v Wg840728
4200203729	WG840729	Motor 1/3hp 208/230v Wg840729
4200203730	WG840730	Motor 1/2hp 208/230v Wg840730

Multiple Horsepower Motors

- Covers range of applications
- Standard motor casing size
- Low power consumption
- Continuous duty, air over
- Automatic thermal overload protector
- Uses 370V capacitors
- Electrically reversible
- Standard shaft length, diameter, & flats



Part #	Mfg #	Description
4200204463	WG840463	Motor Mult HP WG840463 1/6 to 1/2 HP 230V DDFB
4200204464	WG840464	Motor Mult HP WG840464 1/6 to 1/2 HP 230V DDFB
4200204469	WG840469	Motor Mult HP WG840469 1/6 to 1/3 HP 230V CF



Overflow Shut-Off Switches

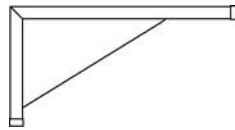
Condensate Drains

- Designed for installation on auxiliary drain pan outlets-usually on primary condensate drain pans
- Float resets automatically and after drain is cleared
- Package includes pre-wired 4-ft, 18Ga lead wires and 3/4" threaded male x slip male adaptor for 3/4 inch female threaded pan outlets
- Switch and reed component device UL listed



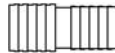
Part #	Mfg #	Description
3050965000	SS2	Ss2 Safe-t-switch
3050965300	SS3	SS3 Safe-t-switch

Air Conditioning Hanging Bracket



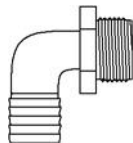
Part #	Mfg #	Description
3050919880	19880	Bracket A/C Boxed Pair 36" Acb-36 19880
3050919881	19881	Bracket A/C Boxed Pair 42" Acb-42 19881

Nylon Fittings Adapter



Part #	Mfg #	Description
3050900010	TAA-2420	Adaptor Str Male/barb Taa 2420 3/4 x 5/8"

Elbows



Part #	Mfg #	Description
3050900020	TEA-2420	El Male/barb Tea 2420 3/4 x 5/8"

Extend-A-Match™

- Packaged in attractive skin-pack
- Made of durable chrome plated brass
- Retracts to 5" long & can be carried in shirt pocket
- Match can be quickly inserted in the spring loaded jaws



Part #	Mfg #	Description
3050900170	0170	Tool Hand Extend-a- Match Bramec

Drill Bits Spade Type Wood Bit



Part #	Mfg #	Description
3050913415	13415	Tool Acces Boring Bit Flat #13415 1-1/8"



Brazing Alloys Dynaflow®

- Silver alloy



Part #	Mfg #	Description
3052295120	66000	Solder Stick Dynaflow .050 x 1/8" #66000

Stay-Silv 15

- Used for air conditioning/refrigeration

Part #	Mfg #	Description
3052295150	61035	Solder Stick Stay-silv 15% .050 x 1/8" #61035



Gripnails Weld Pins

- Hardened steel point
- Forged diamond point creates more electrical resistance
- Beveled edge cap prevents tearing of duct liner



Part #	Mfg #	Description
30620050	050B	Gripnail 1/2" 050-b 5m/ Bucket
30620057	057-B	Weld Pin 1/2" 057-b 5m/ Bucket
30620100	100-B	Gripnail 1" 100-b 5m/ Bucket
30620107	107-B	Weld Pin 1" 107-b 5m/ Bucket

Fasteners

- Please Note: Special Anvil is required
- when using these fasteners, with single head models
- Hardness: Rockwell C-50
- Normal operating temperature range: 32° F to 250°F
- Safe operating temperature range: 0°F to 550°F



Part #	Mfg #	Description
30620052	050-S	Gripnail 1/2" 050-s 1000/ Bucket
30620102	100-S	Gripnail 1" 100-s 1000/ Bucket

Accessories

- Magnetic head holds nails



Part #	Mfg #	Description
30630	200	Tool Hand Gripnail #200 Hammer

Pro-Red Plus™

Pro-Red Plus™ Non-Acid Coil Cleaner and Brightener is an easy to use, concentrated, fast-acting product that foams and lifts away stubborn deposits from air-cooled condensers and coils. It removes tarnish and corrosion deposits, and leaves a bright clean shine on aluminum and copper coils.

Pro-Red Plus™ Non-Acid Coil Cleaner and Brightener cleans by chemical action. Its brightening properties are as effective as conventional acid coil cleaners, but Pro-Red Plus™ does not contain extremely toxic hydrofluoric acid. The vigorous foaming action eliminates the need for prolonged soaking, steam cleaning or scrubbing

PRO-RED+



Catalog #	Description	UOM	Order Multiple
PRO-RED+	Pro-Red Plus™ Cleaner and Brightener (non-acid) – 1 gallon container	EA	4

Triple-D Universal Coil Cleaner

Triple-D™ is a Universal Coil Cleaner suitable for use on condenser and evaporator coils. Metal safe and does not attack aluminum or copper coil components, extending equipment life and diminishing potential for refrigerant leaks. Safe for rooftop units.

Triple-D™ is available in a package to fit any contractors needs — super concentrated liquid, pre-mixed trigger sprayer, convenient aerosol, and industry leading Granular Coil Cleaner. In liquid form, Triple-D™ is super concentrated. A single gallon of concentrate makes 75% more mixed coil cleaner than conventional concentrations. The liquid concentrate is also NSF Registered, assuring that it is safe as a cleaner in restaurants, hospitals, government institutions, and any food preparation area (rinse thoroughly after use). Triple-D™ is a safer, more versatile product than conventional acid or non-acid coil cleaners. One product does it all — truly a Universal Coil Cleaner.

TRIPLE-D



Catalog #	Description	UOM	Order Multiple
TRIPLE-D	Triple-D™ – 1 gallon concentrate	EA	4



Diversitech Pump

- Metal hang tabs
- Indicator lights
- Overflow safety switches
- Check valve
- Pan pill dispenser
- Vibration insulation
- Metal hang tabs
- Vibration insulation
- Four inlet holes



Part #	Mfg #	Description
4110230	CP-22T	Condensate Pump 22' Lift

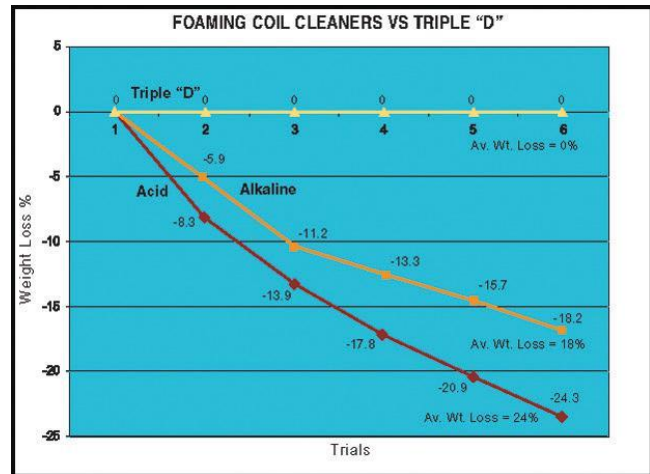
Pro-Green™

The Pro-Green™ is a non-toxic, self rinsing evaporative coil cleaner which is a safe-to-use product on your evaporator coils. This coil cleaner can also be used on air-cooled condensers, electronic filters and fan blades.

PRO-GREEN



Catalog #	Description	UOM	Order Multiple
PRO-GREEN	Pro-Green™ No Rinse (non-toxic) – 1 gallon container	EA	4



Conventional foaming acid and non-acid coil cleaners attack and chemically react with the aluminum coil components. This reaction is exhibited by a foaming action. The attack/reaction dissolves the aluminum, destroying the heat-transfer ability of the coil and creating the potential for refrigerant leaks.



Pro-Blue™

The Pro-Blue™ is a heavy-foaming, alkaline-based coil cleaner which will assist in removing the build-up on your air-cooled condenser. Buy the Pro-Blue™ and help your condenser look as good as new.

PRO-BLUE



Catalog #	Description	UOM	Order Multiple
PRO-BLUE	Pro-Blue™ Foaming Concentrate (non-acid) – 1 gallon container	EA	4

Trigger Sprayers

Part #	Mfg #	Description
4200295228	046-Q	Sprayer Trigger Quart Bs-32

Insulated Tapes & Gums Cork Insulation Tape



Part #	Mfg #	Description
4200295080	VCT-1	Tape Cork Insulation 2" x 30' 6-330

Standard Sprayer Tanks

Part #	Mfg #	Description
4200295220	MA-41500	3 Pint Pump Sprayer



Components

WAHA Series Liquid Line Filter Driers SWT Connections



Part #	Mfg #	Description
4200295010	DAD-163S	Drier Sweat 163-s 3/8" Liquid
4200295020	DAD-303S	Drier Sweat 303-s 3/8" Liquid

2-Way Heat Pump Filter Driers SWT Connections



Part #	Mfg #	Description
4200295030	DBF-163S	Drier Sweat 163-s 3/8" Bi-flow

Suction Line Filters

WSL Series

- Can be used on all CFC, HCFC, and HFC refrigerant and lubricant combinations
- Designed for use on systems up to 20 tons in capacity
- Hardened wrought copper connectors
- 302 psig safe working pressure
- UL and CSA listed



Part #	Mfg #	Description
4200294012	DSS-SLD-306SV	Drier Sweat 306-s 3/4" Suction
4200295070	DSS-SLD-307SV	Drier Sweat 307-s 7/8" Suction

Accessories



Super Seal HVACR™

- A/C leak sealant
- For residential systems 1-1/2 ton to 5 ton
- Kit includes Super Seal and injection hose



Part #	Mfg #	Description
4200296080	944KIT	Super Seal HVACR™

Vacuum Pump Oil

- Refined & formulated for extremely low vapor pressure & high pump efficiency at all temperatures



Part #	Mfg #	Description
4200210706	93091	Oil Vacuum Pump 93091 Pint Yellow Jacket
4200210712	93092	Oil Vacuum Pump 93092 Quart Yellow Jacket
4200210724	93094	Oil Vacuum Pump 93094 Gallon Yellow Jacket



Service Wrench

Part #	Mfg #	Description
4200221127	60613	Tool Hand Ritchie Svc Rnch 1/4, 5/16-3/8, 5/16

Tubing Cutters

Premium Tube Cutters

- Enclosed precision feed mechanism
- Resists jams
- Wide rollers w/flare cut-off groove
- Wheel recessed into cutter body saving 1" in cutting radius
- High quality alloy steel construction makes a sharper cutting wheel edge for less burr
- Spare wheel attached
- Corrosion-resistant finish
- Retractable reamer



Part #	Mfg #	Description	Capacity
4200260101	60101	Small	1/8" - 1-1/8" OD

Yellow Jacket® Vacuum & Charging Hoses

Yellow Jacket® Premium 1/4" Charging Hoses

- Replaceable gaskets
- Performance-proven six-sided crimping
- Date coded w/year of manufacture to help in safety program management
- Full size nuts for easier tightening & longer life
- 500 psi maximum working pressure = 5 to 1 safety factor
- 2500 psi minimum burst
- Specially formulated to resist refrigerants
- Blow-off groove channels refrigerant out of the front of the nut to help prevent spray back
- Hose cover pin-pricked to resist bubbling & bursting
- Brass or chrome fittings



3-Paks (R/Y/B)

- 1/4" Straight x 1/4" 45° angle fitting

Part #	Mfg #	Description
4200211985	11985	Hose 5' Charging 3/pk Ritchie 11985

“SERIES 41” TEST & CHARGING MANIFOLDS with 2-1/2” GUAGES

Temp Scales	UPC #	Hose Type - Fittings
R-12	41212	No Hose/Clamshell
R-22	41214	60” RYB Premium Hose- Standard Fittings
R-502		
R-134a	41312	No Hose/Clamshell
R-404A	41315	60” RYB Premoim Hose- Standard Fittings
R-507		
	41711	No Hose/Clamshell
R-410A	42715	60” RYB PLUS II Hose- Compact Ball Valve Fittings
	41709	60” RYB PLUS II Hose- Standard Fittings
R-22	41202	No Hose/Clamshell
R-134a	41211	60” RYB PLUS II Hose
R-404A		



“SERIES 41” TEST & CHARGING MANIFOLDS with 3-1/8” GUAGES With 1% (Class 1) accuracy for an exact reading in critical charge systems

Temp Scales	UPC #	Hose Type - Fittings
R-410A	42021	No Hose/Clamshell
	42024	60” RYB PLUS II Hose - Standard Fittings
R-22	42001	No Hose/Clamshell
R-404A	42004	60” RYB PLUS II Hose - Standard Fittings
R-410A		
R-22	42005	No Hose/Clamshell
R-134a	42006	60” RYB PLUS II Hose - Standard Fittings
R-404A		

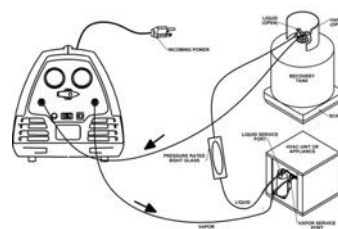
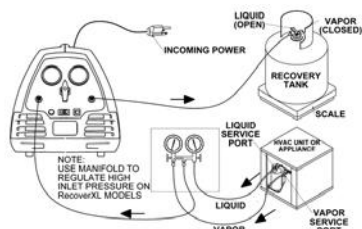


THE YELLOW JACKET® BULLET™ VACUUM PUMP



- 2-stage with 50 micron rating or better
- Legendary YELLOW JACKET quality
- Sleek design with no exposed fasteners
- Wider stance for increased stability
- 1/4”, 3/8” and 3/8” intake fittings

UPC #	Size
93600	7 CFM
93603	3 CFM
93605	5 CFM



Liquid and Vapor Recovery Set Up

- Liquid recovery is the fastest method, but not all equipment can handle the process
- Vapor recovery is slower than liquid recovery, but is the most commonly used recovery method
- Liquid and vapor recovery are performed the same way, but liquid recovery requires a connection to the high side of the system

Push/Pull Recovery Set Up

- Quickly removes liquid refrigerant, but requires hose connection change to recover vapor refrigerant
- Works best when recovering more than 10 pounds of refrigerant
- Make sure system will allow a solid column of liquid to form, does not have a heat pump or reversing valve and does not have an accumulator

- Single valve control for easy changeover from liquid to vapor to purge
- Constant Pressure Regulator (CPR) valve regulates refrigerant to the compressor. Eliminates the need for technician to throttle the suction valve
- Advanced 1/2 hp, 3425 rpm oil-less compressor with precision valves manufactured in an ISO-9001 facility
- Recovers refrigerant and shuts off when unit reaches 13" of vacuum. Unit will automatically restart if system pressure rises
- Indicator signals "recovery complete"
- Quiet running with components nested to reduce vibration and noise. Oil-less compressor is inherently quiet
- Controls and gauges inset for protection and angled for easy access and viewing

- Senses back pressure from tank and shuts off automatically at 517 psi for safety
- Reusable mesh particulate filter inserts into suction port for protection. Simple cleaning eliminates replacement due to clogging
- "On-the-fly" purge with simple turn of a knob to remove residual refrigerant and help prevent cross-contamination
- High efficiency fan keeps air moving across condenser for cool running even in hot weather
- High strength HDPE case for lightweight and rugged use. Rounded corners help protect from nicks and scrapes
- Single high pressure safety switch - external circuit breaker
- Includes three-year compressor warranty
- Made in the USA
- Tested by UL to ARI 740-98



95760



Convenient cord storage

RecoverXLT REFRIGERANT RECOVERY MACHINE

UPC#	Description
95760	RecoverXLT 115V/60 Hz
95762	RecoverXLT with tank over II switch 115/60 Hz
95763	RecoverXLT 230V/50 Hz (Euro and UK plug)
95765	RecoverXLT 110V/50 Hz (IEC 60309 plug)
95766	RecoverXLT 230V/50 Hz Euro plug (French)
95768	RecoverXLT 230V/50 Hz (AU and NZ plug)

Tube Bender Kits

- One-hand bending of soft copper, aluminum & light-wall hydraulic tubing from 3/8" - 7/8"
- Bending shoes change quickly
- Trouble-free ratchet mechanism
- Index marks ensure bending to length

Complete Kit Includes:

- #60332 3/8"OD Bending mandrel
- #60333 1/2"OD Bending mandrel
- #60334 5/8"OD Bending mandrel
- #60335 3/4"OD Bending mandrel
- #60336 7/8"OD Bending mandrel
- #60337 Crossbar assembly
- #60338 Steel case w/inserts



Part #	Mfg #	Description
4200260331	60331	Tube Bender Kits

Heavy-Duty Mini-Cutters

- Heavy-duty cutting
- Wide body for easy grip
- Large rollers & flare cut-off groove
- Small-Mini has turning radius of only 1-3/16"
- Big-Mini cuts from 1/4" - 1/8" OD & still compact



Part #	Mfg #	Description	Capacity
4200260160	60160	Small-Mini	1/8" - 5/8" OD

Line Sets



3/8 x 3/4

Part #	Mfg #	Description
41132713	3/8X3/4X25	Line Set 3/8 x 3/4 25 Foot
41132714	3/8X3/4X30	Line Set 3/8 x 3/4 30 Foot
41132715	3/8X3/4X35	Line Set 3/8 x 3/4 35 Foot
41132716	3/8X3/4X40	Line Set 3/8 x 3/4 40 Foot
41132718	3/8X3/4X50	Line Set 3/8 x 3/4 50 Foot

3/8 x 7/8

Part #	Mfg #	Description
41132815	3/8X7/8X35	Line Set 3/8 x 7/8 35 Foot
41132818	3/8X7/8X50	Line Set 3/8 x 7/8 50 Foot

3/8 x 1-1/8

Part #	Mfg #	Description
41132915	3/8X1-1/8X35	Line Set 3/8 x 1-1/8 35 Foot
41132918	3/8X1-1/8X50	Line Set 3/8 x 1-1/8 50 Foot

Electronic Air Cleaners HE 1400/2000

- High performance, easy maintenance & installation
- Maximum value & dependability w/the strongest cabinet & cells in industry Includes air flow sensor

HE 1400/2000 With Air Flow Sensor

Part #	Mfg #	Description
411141400	455601-001	Air Cleaner w/Afs He- 1400 Trion 455601-001
411142000	455600-001	Air Cleaner w/Afs He- 2000 Trion 455600-001

Media Air Cleaners Air Bear® Supreme

- High MERV rating
- Low air resistance
- 10-year limited warranty on cabinet



Part #	Mfg #	Description
4111490047	455602-019	Air Cleaner Air Bear Supreme 455602-019

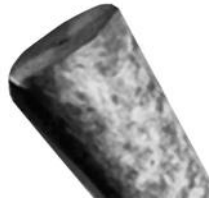
Air Bear Media Filters

Part #	Mfg #	Description
4111530	255649-102	Filter Air Bear Media 20x25x5 255649-102

We are as close as your nearest telephone or fax machine. Feel free to fax your order to us - 24 hours a day.

Duct Liner Sonic XP 1.5# + 2#

- Inorganic glass fibers bonded by thermosetting resin with encapsulant edge coating
- Designed as interior insulation material for sheet metal ducts
- Low thermal conductivity
- Fire-resistant, non-corrosive durable, resilient
- Excellent sound absorption
- Flexible, tightly bonded mat-faced insulation



Part #	Mfg #	Description
50603061		Duct Liner Sonic XP 1.5# 2" x 48" x 50'

Rigid Plenum Liner 3#

- Low thermal conductivity
- Fire-resistant, non-corrosive
- Tough, resilient
- Designed as interior insulation material for heating, ventilating, and air conditioning plenums and sheet metal ducts
- Heavy-density fiberglass board insulation
- Inorganic glass fibers bonded by a thermosetting resin
- Amber base board with black top layer of fiberglass with black polymer overspray



Part #	Mfg #	Description
50703109		Board Rigid Duct Liner 3# 2 x 24 x 48

Duct Wraps



Duct Wrap .75# w/ Kwikstretch® Markings

Part #	Mfg #	Description
50301128	DWFGPLN	Duct Wrap FG PLN 3/4# 1 x 48 x 100'
50301133	DWFGPLN	Duct Wrap FG PLN 3/4# 1-1/2 x 48 x 100'
50301310	DWFGFSK	Duct Wrap FG FSK 3/4# 1-1/2 x 48 x 100'
50301315	DWFGFSK	Duct Wrap FG FSK 3/4# 2 x 48 x 75'
50301320	DWFGFSK	Duct Wrap FG FSK 3/4# 3 x 48 x 50'

Duct Wrap 1# w/ Kwikstretch® Markings

Part #	Mfg #	Description
50301325	DWFGFSK	Duct Wrap FG FSK 1# 1-1/2 x 48 x 100'
50301330	DWFGFSK	Duct Wrap FG FSK 1# 2 x 48 x 75'

Duct Wrap 1.5# w/ Kwikstretch® Markings

Part #	Mfg #	Description
50301332	DWFGFSK	Duct Wrap FG FSK1-1/2# 1-1/2 x 48 x 40'
50301334	DWFGFSK	Duct Wrap FG FSK1-1/2# 2 x 48 x 50'

White PSK Duct Wrap

Part #	Mfg #	Description
50301365	DWVW	Duct Wrap Vinyl White 1# 1-1/2"x48"x100'

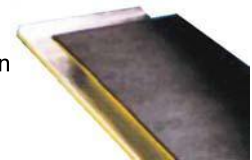
Elevated Temperature Fiberglass Duct Wrap ET Blanket 1000° 1.1#

- Lightweight thermal insulation blanket
- Highly resilient, inorganic glass fibers bonded by a high-temperature thermosetting resin
- For industrial heating equipment to 1000°F
- Use in industrial furnaces, panel systems, marine applications and irregular surfaces
- Light weight, damage resistant

Part #	Mfg #	Description
50304100		Elevated Temp FG Kfr 1.1# 1 x 48 x 75'
50304060		Elevated Temp FG 1000f 2 x 48 x 75' Knauf

Fiberglass Industrial Board (IB)

- For all applications up to 450°F
- Inorganic glass fibers preformed into boards bonded by thermosetting resin
- Thermal and acoustical insulation product
- Use on heating and air conditioning ducts, power and process equipment, boiler and stack installations, metal and masonry walls, wall and roof panel systems, curtain wall assemblies and cavity walls



3#

Part #	Mfg #	Description
50405130		Board FG Plain IB 3# Ctn 2 x 24 x 48
50405140		Board FG Plain IB 3# Sleeve 1 x 24 x 48
50405147		Board FG Plain IB 3# Sleeve 2 x 24 x 48
50405160		Board FG FSK IB 3# 1 x 24 x 48
50405170		Board FG FSK IB 3# 1-1/2 x 24 x 48
50405180		Board FG FSK IB 3# 2 x 24 x 48
50405210		Board FG Asj IB 3# 1 x 24 x 48
50405220		Board FG Asj IB 3# 1-1/2 x 24 x 48
50405230		Board FG Asj IB 3# 2 x 24 x 48

6#

Part #	Mfg #	Description
50405		Board FG Plain IB 6# Sleeve 2 x 24 x 48

Elevated Temperature Board 1000°

- Inorganic glass fibers bonded with high temperature thermosetting resin
- For boiler walls, hot precipitators, hot ductwork, cylindrical tanks, towers, stacks and industrial ovens Semi-rigid, board-like form with superior handling properties and insulating effectiveness at minimum cost
Maximum operational temperature of 1000°F
- Thicknesses not to exceed 6"
- Lightweight



Part #	Mfg #	Description
50407730		Board FG 850 Plain Sleeve 1 x 24 x 48
50407735		Board FG 850 Plain Sleeve 1-1/2 x 24 x 48
50407740		Board FG 850 Plain Sleeve 2 x 24 x 48

Air Duct Board

- For commercial and residential air handling installations for cooling, heating, or dual-temperature service Faced on one side with fire-resistant foil-scrim-kraft
- (FSK) vapor retarder and lightweight fiberglass mat on the airstream surface
- Excellent thermal and acoustical performance
- Available in EI-475 or EI-800, with butt edge or factory-molded shiplap edge
- Resin-bonded fiberglass formed into rigid, rectangular boards



Ship-lap Edges

Part #	Mfg #	Description
7010507		Duct Board Ship-lap Eclipse 1 x 48 x 120 Knauf
7010508		Duct Board Ship-lap Eclipse 1x48x120 Cut Cartn
7010527		Duct Board Ship-lap Eclipse 1 x 48 x 120 Knauf
7010528		Duct Board Ship-lap Eclipse 1 x 48 x 120 Cut Sheet
7010540		Duct Board Ship-lap Eclipse 1-1/2 x 48 x 120'

Butt-edge Edges

Part #	Mfg #	Description
7010510		Duct Board Butt-edge Eclipse 1 x 48 x 120 Knauf

Air Duct Board - Eclipse with ECOSE Technology

- Resin-bonded fiberglass formed into rigid, rectangular boards
- Faced on one side with fire-resistant foil-scrim-kraft (FSK) vapor retarder and tightly bonded, non-woven fiberglass mat on the airstream surface
- Available in EI-475 or EI-800, with butt edge or factory-molded shiplap edge
- Excellent thermal and acoustical performance
- Hydrosshield Technology helps keep moisture from penetrating the airstream surface
- For commercial and residential air handling installations for cooling, heating, or dual-temperature service



We are a full line wholesaler. Contact us for information about items not listed in this catalog.

Duct Wrap

- Used to insulate rectangular and round heating ventilating and air conditioning ductwork
- Glass fibers bonded together with thermosetting resin



Part #	Mfg #	Description
50302320	DWV62048	Ductwrap FSK Certnteed 3/4# 2" x 48" x 75'
50302305	DWF10015	Ductwrap FSK Certnteed 3/4# 1-1/2"x48"x100'

ToughGard 2® - Duct Liner

- Composed of long textile-type glass fibers
- Quiet operation
- Thermal protection
- Moisture protection
- Low air resistance
- Durable
- Long-lasting
- Non-corrosive
- Easy to clean
- Resists microbial growth=



Part #	Mfg #	Description
50101105	TG215355	Duct Lnr 1.5# CSG TG 2 1 x 35-1/2 x 100
50101106	TG21547	Duct Lnr 1.5# CSG TG 2 1 x 47 x 100' Ct
50101107	TG215475	Duct Lnr 1.5# CSG TG 2 1 x 47-1/2 x 100' Ct
50101109	TG2155625	Duct Lnr 1.5# CSG TG 2 1 x 56-1/4 x 100' Ct
50101111	TG21559	Duct Lnr 1.5# CSG TG 2 1 x 59 x 100' Ct
50101112	TG215595	Duct Lnr 1.5# CSG TG 2 1 x 59-1/2 x 100' Ct
50101119	TG220355	Duct Lnr 2# CSG w/TG 2 1/2 x 35-1/2 x 100'
50101120	TG22047	Duct Lnr 2# CSG w/TG 2 1/2 x 47 x 100' Ct
50101122	TG220475	Duct Lnr 2# CSG w/TG 2 1/2 x 47-1/2 x 100' Ct
50101124	TG2205625	Duct Lnr 2# CSG w/TG 2 1/2 x 56-1/4 x 100' Ct
50101126	TG22059	Duct Lnr 2# CSG w/TG 2 1/2 59 x 100' Ct
50101128	TG220595	Duct Lnr 2# CSG w/TG 2 1/2 x 59 1/2 x 100' Ct

ToughGard® R - Duct Liner

- Composed of rotary-type glass fibers
- Quiet operation
- Thermal protection
- Moisture protection
- Low air resistance
- Resists microbial growth
- Durable
- Long-lasting
- Non-corrosive
- Easy to clean



Part #	Mfg #	Description
50101505	TGR1547	Duct Liner 1.5# R T/G 1 x 47 x 100' Ct
50101510	TGR15475	Duct Liner 1.5# R T/G 1 x 47-1/2 x 100' Ct
50101525	TGR155625	Duct Liner 1.5# R T/G 1 x 56-1/4 x 100' Ct
50101535	TGR1559	Duct Liner 1.5# R T/G 1 x 59 x 100' Ct
50101560	TGR1555625	Duct Liner 1.5# R T/G 1/2 x 56-1/4 x 100' Ct
50101545	TGR2047	Duct Liner 2# R T/G 1/2 x 47 x 100' Ct
50101550	TGR20475	Duct Liner 2# R T/G 1/2 x 47-1/2 x 100' Ct
50101565	TGR2059	Duct Liner 2# R T/G 1/2 x 59 x 100' Ct

We maintain well-stocked and conveniently located warehouses. Please call us, or stop in to see us in the branch location nearest you.



Con-Bond Foam Fabricating Adhesive

- Solvent-based
- Non-flammable
- Specially developed to bond various types of foam to wood, fiberfill, or to itself

Part #	Mfg #	Description
50820520	C1535	Adh Con-bond Lam Clear C1535-O5C Sta-Put 5 gal

Super-Seal

- Waterbased sealant
- Interior/exterior applications
- For high, med or low velocity heating & A/C systems



Part #	Mfg #	Description
50822203	G-02	Sealant Duct Gray Can D-619 Miracle 1 gal
50822200	G-04	Sealant Duct Gray Can D-619 Miracle 1/10gal

Econo Tack Adhesives

- Waterbased, solvent-free adhesive
- Fast drying & fast bonding
- Good resistance to heat, moisture, oil & grease
- Bonds low density fiberglass insulation to sheet metal A/C ducts



Part #	Mfg #	Description
50820285	PF-102	Adh Econo-tack 5gal #PF-102 Black
50820286	PF-102	Adh Econo-tack 50gal #PF-102 Black

Polystyrene Adhesives

- Fast grab adhesive
- Specially formulated to adhere polystyrene board to itself or to concrete, steel, aluminum or wood
- Also bonds wood or gypsum board to wood framing



Part #	Mfg #	Description
50820500	294	Adh Polystyrene 5gal DSA-20 Miracle

Stick-N-Go Adhesive

- Solvent based aerosol duct liner adhesive
- Specifically formulated for quick tack & strong bond when adhering fiberglass insulation to sheet metal

Part #	Mfg #	Description
50820675	8740G	Adh Stk-n-go 4.5gal #PF-2001
50822800	50	Tool Pwr Spray Gun Stk-n-go Cyl Kingco
50822850	60	Tool Acces Spray Gun Stk-n-go 12 ft Hose
50820680	97187G	Adh Stk-n-go 187# PF-2001

Duct Liner Spray Adhesive

- Fan spray pattern
- Bonds fiberglass insulation & urethane foam to aluminum, galvanized steel, wood, glass & many other surfaces



Part #	Mfg #	Description
50822760	15-114-99	Adh Duct Liner Aerosol #15-114-99 Miracle 14 oz

Duct Liner Adhesive

- Solvent based, flammable adhesive
- Fast-tacking, non-cobwebbing
- Designed for low pressure spray application
- Bonds low density fiberglass insulation to sheet metal A/C ducts



Part #	Mfg #	Description
50820436	055	Adh Duct Liner 1gal PF-96 Red Miracle
50820435	054	Adh Duct Liner 5gal PF-96 Red Miracle
50820437	055	Adh Duct Liner 52gal PF-96 Red Miracle

Facing and Jacketing Tapes

ASJ Tape UL Listed ASTM C1136, Type II

- For butt joining ASJ faced cold and dual temperature ducts and piping systems



Part #	Mfg #	Description
5020510573	105-7	Tape ASJ 3" x 50yd #105-7 Compac
5020510574	105-7	Tape ASJ 4" x 50yd #105-7 Compac

PVC Tapes

5 mil White PVC Tape

- To close seams on pipe insulation covered with rigid PVC



Part #	Mfg #	Description
5020550010	130-5	Tape PVC 1" x 36yd #1506R White Venture
5020550015	130-5	Tape PVC 1-1/2" x 36yd #130-5 White Venture
5020550020	130-5	Tape PVC 2" x 36yd #130-5 White Venture
5020550025	131	Tape PSK Compac #1537 3"x50 Yd White

FSK Tape UL Listed

- Designed to seam and seal fiber glass duct board and duct wrap



Part #	Mfg #	Description
5020511073	110-7	Tape FSK 3" x 50yd #110-7 Compac
5020511074	105-7	Tape FSK 4" x 50yd #110-7 Compac

Shurtape®

Cloth Tape

Silver

- Polycoated



Part #	Mfg #	Description
5020560921	PC-609	Tape 2" x 60yd PC-609 Silver
5020562220	PC-622	Tape 2" x 60yd PC-622 Silver
5020562230	PC-622	Tape 3" x 60yd PC-622 Silver
5020568230	SF-682	Tape Foil/poly SF-682 3" x 60yd

Black

- Polycoated



Part #	Mfg #	Description
5020561821	PC-618	Tape 2" x 60yd PC-618 Black

Foil Tapes

2 mil Aluminum Foil UL Listed

- A UL listed foil tape used in fiberglass duct board systems



Part #	Mfg #	Description
5020511262	120-6	Tape Foil 2" x 50yd #120-6 2mil Compac
5020511263	120-6	Tape Foil 3" x 50yd #120-6 2mil Compac
5020511264	120-6	Tape Foil 4" x 50yd #120-6 Acrylic Compac

Foil Tape

Part #	Mfg #	Description
5020590025	AF-100	Tape Foil UI181 2-1/2" x 60yd AF-100
5020590030	AF-100	Tape Foil UI181 3" x 60yd AF-100
5020562250	AF-973	Tape Foil 2" x 50yd AF-973 4mil



Electrical Tape

Rubber

- High tensile strength
- Non-corrosive adhesive
- UL listed



Part #	Mfg #	Description
5020551125	EV-57	Tape Electrical EV-57 3/4" x 22yd Black

Mastic Filled Tape

- Meets UL 181 BFX

Part #	Mfg #	Description
5020568240	SF-686	Tape Foil Shurmastic 2" x 100'
5020568250	SF-686	Tape Foil Shurmastic 3" x 100'

Strapping Tape

Glass-Reinforced

- Resists moisture and solvents
- Highly adhesive



Part #	Mfg #	Description
5020551105	GS-500	Tape Strap 3/4" x 60yd GS-500
5020551110	GS-500	Tape Strap 1" x 60yd GS-501

If you don't find everything you need in this catalog, please let us know. We have not listed everything and can special order from most of our manufacturers.

Paint Arrestors Products

- Efficiently trap paint solids before they reach the exhaust stack
- Patented face sheet design
- Disposable paint overspray collectors



Series 3000 Standard Paint Arrestors

- 96.5% to 97.5% high solids bake enamel using 2 pads in tandem
- 93 to 94% waterborne bake enamel using 2 pads in tandem
- Filter paper

Part #	Mfg #	Description
606011260	3032	Filter Paper Paint Arr 20 x 20 x 1 RP3032
606011280	3031	Filter Paper Paint Arr 20 x 25 x 1 RP3031

Series 3200 Spra-Gard High Efficiency Paint Arrestors

- 98.5% to 99.5% high solids bake enamel using 2 pads in tandem
- 97 to 98% waterborne bake enamel using 2 pads in tandem
- 94 to 95% lacquer using 2 pads in tandem Filter pad

Part #	Mfg #	Description
606012240	3232	Filter Pad Spra-gard 20 x 20 x 1 RP3232
606012220	3231	Filter Pad Spra-gard 20 x 25 x 1 RP3231
606302300	3251	Filter Roll Spra-gard 6' x 47" x 1" RP3251

Series 3300 Spra-Gard High Efficiency Paint Arrestors

- 99.5% to 99.9% high solids bake enamel using 1 pad
- 98.5 to 99.2% waterborne bake enamel using 1 pad
- 95 to 96% lacquer using 1 pad
- Filter roll

Part #	Mfg #	Description
606302425	3351	Filter Roll Spra-gard 6' x 47" x 1" RP3351
606302430	3353	Filter Roll Spra Guard RP3653 45 x 8' x 1"



Paint Arrestor Filter Pads



Part #	Mfg #	Description
606602260		Filter Paint Pad F/G 20 x 20 x 2.5 Q 14AGP2020100
606602280		Filter Paint Pad F/G 20 x 25 x 2.5 Q 14AGP2025100

Paint Filters



Part #	Mfg #	Description
60615	#29-359	Filter Paper Paint Arr #29-359 Andrea



Air Duct

Insulated Flex Black - Series 20

- Well suited for main trunk lines, supply and return lines, connection lines, as well as runs to diffusers and room register 25' Length Standard
- UL rated maximum air velocity: 4000 FPM
- UL rated operating temperature: -0°F to 200°F or -18°C to 93°C



Part #	Mfg #	Description
70310080	SERIES 20	Flxduct INS Black R4.2 4"
70310100	SERIES 20	Flxduct INS Black R4.2 5"
70310120	SERIES 20	Flxduct INS Black R4.2 6"
70310140	SERIES 20	Flxduct INS Black R4.2 7"
70310160	SERIES 20	Flxduct INS Black R4.2 8"
70310180	SERIES 20	Flxduct INS Black R4.2 9"
70310200	SERIES 20	Flxduct INS Black R4.2 10"
70310240	SERIES 20	Flxduct INS Black R4.2 12"
70310280	SERIES 20	Flxduct INS Black R4.2 14"
70310320	SERIES 20	Flxduct INS Black R4.2 16"
70310360	SERIES 20	Flxduct INS Black R4.2 18"
70310400	SERIES 20	Flxduct INS Black R4.2 20"

Insulated Flex Foil - Series 40

- Well suited for main trunk lines, supply and return lines, connection lines, as well as runs to diffusers and room register
- 25' Length Standard
- UL rated maximum air velocity: 4000 FPM
- Puncture resistant
- UL rated operating temperature: -0°F to 200°F or -18°C to 93°C



Part #	Mfg #	Description
70310406	SERIES 40	Flxduct INS Foil R4.2 6"
70310407	SERIES 40	Flxduct INS Foil R4.2 7"
70310408	SERIES 40	Flxduct INS Foil R4.2 8"
70310410	SERIES 40	Flxduct INS Foil R4.2 10"
70310412	SERIES 40	Flxduct INS Foil R4.2 12"
70310414	SERIES 40	Flxduct INS Foil R4.2 14"
70310416	SERIES 40	Flxduct INS Foil R4.2 16"
70310606	SERIES 40	Flxduct INS Foil R6.0 6"
70310608	SERIES 40	Flxduct INS Foil R6.0 8"
70310610	SERIES 40	Flxduct INS Foil R6.0 10"
70310612	SERIES 40	Flxduct INS Foil R6.0 12"
70310614	SERIES 40	Flxduct INS Foil R6.0 14"
70310616	SERIES 40	Flxduct INS Foil R6.0 16"

Uninsulated Flex Foil - Series 06

- Well suited for main trunk lines, supply and return connecting lines, as well as runs to diffusers and room registers, and other terminal devices in spaces where insulation is not required
- UL rated operating temperature: -20°F to 180°F or -29°C to 80°C
- UL listed
- Note: Do not use for the venting of cooking or clothing applications unless approved by the appliance manufacturer



Part #	Mfg #	Description
70310503	SERIES 06	Flex Non-insulated 3"
70310504	SERIES 06	Flex Non-insulated 4"
70310506	SERIES 06	Flex Non-insulated 6"
70310507	SERIES 06	Flex Non-insulated 7"
70310508	SERIES 06	Flex Non-insulated 8"



Pipe and Equipment Sleeves

Fiberglass Pipe Insulation - Series 5542 - R4.2

- Well suited for round metal ducts and PVC pipe
- 5' standard length
- Furnished with a started cap in each carton
- Eliminates need for bulky duct wrap rolls on the job
- UL rated operating temperature: -0°F to 200°F or -18°C to 93°C



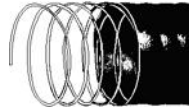
Part #	Mfg #	Description
7032565	5542	Insulated Foil Sleeve 5"
7032566	5542	Insulated Foil Sleeve 6"
7032568	5542	Insulated Foil Sleeve 8"
7032570	5542	Insulated Foil Sleeve 10"
7032572	5542	Insulated Foil Sleeve 12"



Thermaflex® Air Connectors

S-LP-10

- Non-insulated
- For low & medium pressure heating & cooling systems
- Woven fiberglass fabric with flame retardant coating, permanently bonded to a corrosion resistant coated spring steel wire helix



Part #	Mfg #	Description
7050508	S-LP-10	Flex Non-insul Spl10 4" x 25' Thermaflex
7050512	S-LP-10	Flex Non-insul Spl10 6" x 25' Thermaflex
7050516	S-LP-10	Flex Non-insul Spl10 8" x 25' Thermaflex
7050520	S-LP-10	Flex Non-insul Spl10 10" x 25' Thermaflex
7050524	S-LP-10	Flex Non-insul Spl10 12" x 25' Thermaflex
7050528	S-LP-10	Flex Non-insul Spl10 14" x 25' Thermaflex



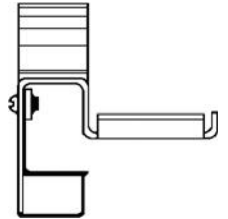
Fiberglass Duct Fabrication Tools

Kerfing Tools

- For fabrication of glass fiber ducts
- All steel construction with replaceable blades

Yellow

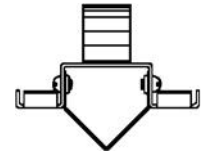
- Reverse or Male Shiplap 1-1/4"



Part #	Mfg #	Description
70710026	1103	Tool Hand Kerfing Yellow 1103

Red

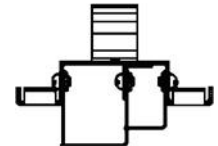
- 90° "V" or miter cut



Part #	Mfg #	Description
70710020	1100	Tool Hand Kerfing Red 1100

Blue

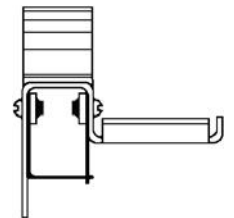
- 4-in-1 end cut off For cut #5



Part #	Mfg #	Description
70710024	1102	Tool Hand Kerfing Red 1102

Black

- Female or rabbit shiplap 1-1/4"

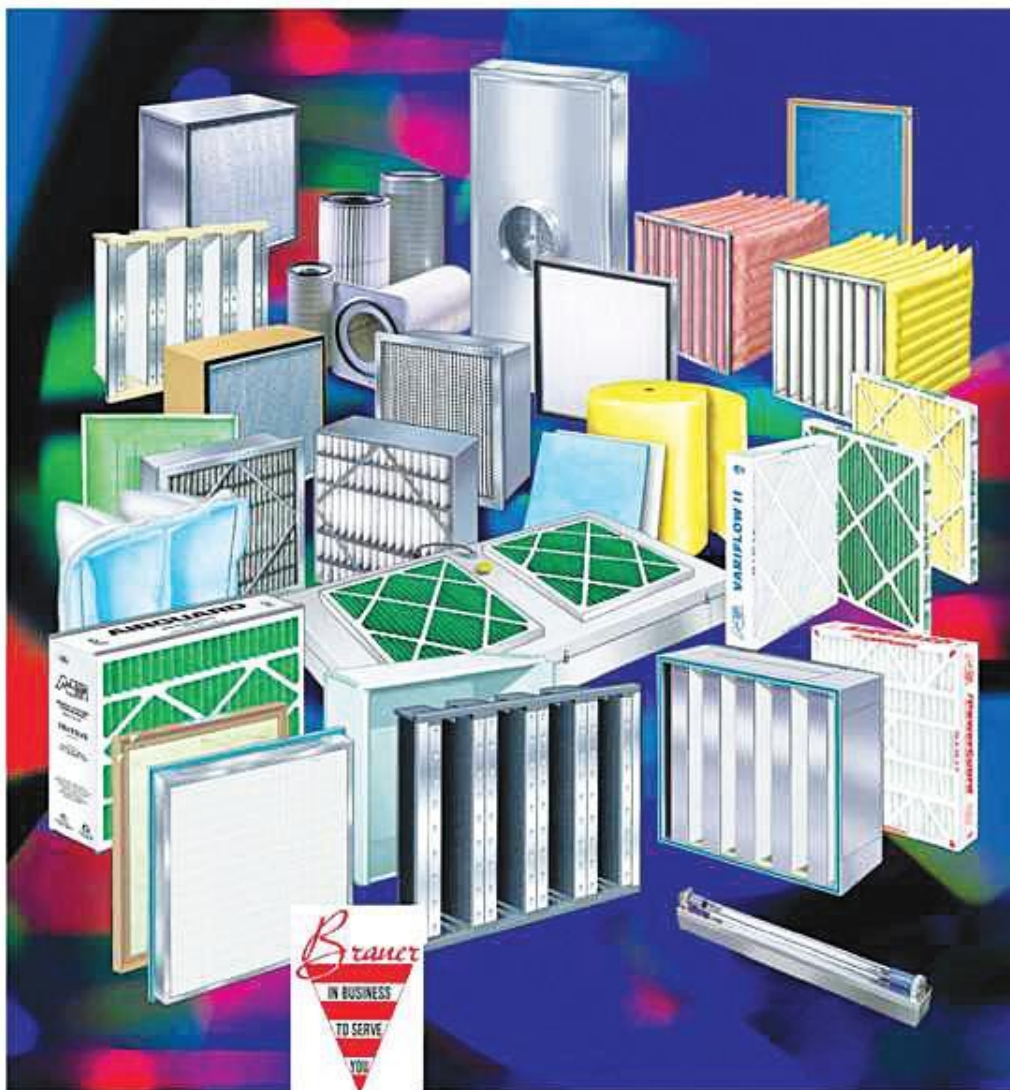


Part #	Mfg #	Description
70710022	1101	Tool Hand Kerfing Black 1101



Braner Supply Co.

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Missouri: St. Louis - Columbia - Festus - Jackson - Joplin - Springfield - St. Peters - Union - **Illinois:** Springfield - Swansea - **Kansas:** Kansas City



Brakes

Connecticut Series Brakes

- Maximum lift of beam: 1-5/8"
- Front to rear adjustment of beam: 1-1/8"
- Maximum reverse bend (bar & angle removed): 1/4"

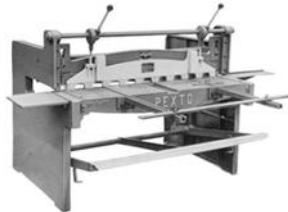


Part #	Mfg #	Description
81101308	422	Machine Straight Brake 4' 22ga #422 Roper
81101312	U422	Machine Univ Finger Brake 4'22ga U-422
811011018	1018	1018 10' 18 Ga. Brake 157101018

Shears

Foot Squaring Shears

- Triple-action shearing
- Shears sheets up to 52" long
- Maximum Rated Capacity: 16 gauge mild steel



Part #	Mfg #	Description
81101152	162001521	152 Foot Shear 162001521

Portable Punches

Light Duty Junior Punch Kit

- 1.2 Tons max rated capacity
- Adjustable stop gauge



Part #	Mfg #	Description
3040701	#5	Tool Hand Whitney #5 Jr Kit 135010050

TIN KNOCKER

Bar Folders

TK No. 30

- Max bend length: 30"
- Flange width range: 1/8"-1"



Part #	Mfg #	Description
8080101	TK-NO30	Tk No. 30 Barfolder

Benders

Cheek

- Note: Shims are required for 28Ga and lighter material
- Bench mounted
- Adjusts for 1/4" to 7/8" bends
- Bend length: 24"



Part #	Mfg #	Description
8080104	TK-NO24	Tk No. 24 Cheek Bender (2 Sided)

Flanger Machines

Manual

- Note: Available with stand only
- Bench Mounted
- No gauge to set or special tools required



Part #	Mfg #	Description
8080112	TK-20	Machine Manual Flanger Tk 20ga Capacity

TIN KNOCKER



Roll Formers

Fourplex, S & Drive

- Capacity:
 - Drive Cleats: 20-26 Ga
 - S Cleats: 22-28Ga
 - Pitts Lock: 20-28Ga
 - Right Angle Flange: 22-26Ga
 - Standing Seam: 22-26Ga
 - Tee Connection: 22-26Ga
 - Male and Female Button Lock: 20-24Ga
- Motor: 5HP(1800 RPM),230 Volt, 3 Phase, 60Hz
- Speed 100 FPM



Without Flanger

- Motor: 1/2 HP, 1700 RPM, 115 Volt,
- Single Phase, 60 Hz Standard
- Speed: 35 FPM
- Flange Height: 3/26"

Part #	Mfg #	Description
8080122	TK-24	Machine Pittsburg Tk24 24 ga With Out Flanger
8080127	TK	Tk Fourplex S & Dr w/Slitter, Male/female

Slitters

16Gauge

- Minimum slitting width: 1.25"
- Maximum slitting width: 24.25"
- Motor: 3/4 HP, 115 Volts
- Speed: 90 FPM



Part #	Mfg #	Description
8080135	TK-1624	Machine Slitter 24" 16ga Tk1624

20Gauge

Part #	Mfg #	Description
8080130	TK-2024	Machine Slitter 24" 20ga Tk2024

Brakes

Leaf

- Heavy plate fabricated frame
- Full length stiffening bar to bend to capacity
- Bend length: 8'1"
- Beam lift: 2-1/4"
- Box or pan depth: 2" 3 sides
- Bolt on apron angle: Included
- Counter weight: included

Part #	Mfg #	Description
8080107	TK-816	Machine Leaf Brake 8' 16ga Tk816

Shears

Foot

- 25" scaled back gauge with engraved rule included
- Shearing Length: 52"
- Floor Space: 60 x 72"



Part #	Mfg #	Description
8080128	TK-1652	Machine Foot Shear 16ga Cap Tk1652

Accessories

Part #	Mfg #	Description
8080160	Stand	Machine Stand For Tin Knocker

flagler

Junior Pittsburgh Lock Machine

- 5/16" Width with hammer over edge
- Uses approximately 1" of material
- Approximately 30' per minute
- 1/2 HP 115/1/60/1800 RPM motor
- 32" Long x 16" wide x 14" high
- Can be plugged into an ordinary 115 volt outlet



* Pictured w/Optional Stand

Part #	Mfg #	Description
8100103	JR24	Machine Jr Pittsburgh 24ga Bench Mt Flagler



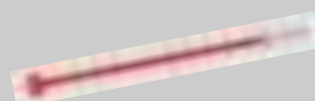
FASTENER DIVISION



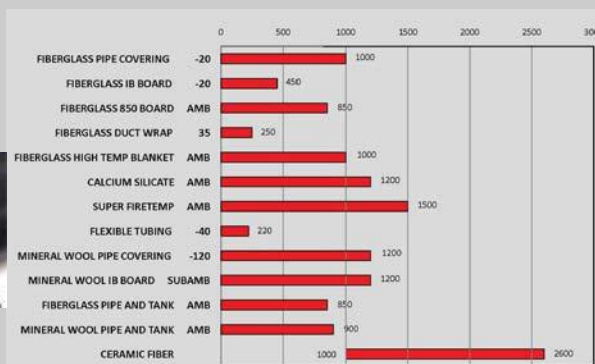
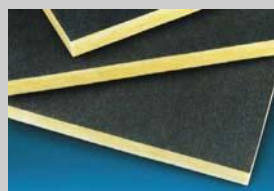
CALL FOR OUR SPECIALTY CATALOG!



SPECIALTY INSULATION PRODUCTS CATALOG



TEMP RANGES FOR INSULATIONS DEGREES F. SEE NOTES BELOW!



NOTES. THIS CHART IS FOR QUICK REFERENCE ONLY. TEMPERATURE RANGE MAY VARY BY MANUFACTURER, FACING REQUIREMENTS, AND OTHER FACTORS. ADDITIONALLY, RELATED PRODUCTS MAY BE AVAILABLE WITH VARYING TEMPERATURE RANGES.

MATERIAL SELECTION WILL BE AFFECTED BY TYPE OF SURFACE INSULATED, AMBIENT CONDITIONS, AND OTHER FACTORS!! CONTACT BRAUER SUPPLY FOR ADDITIONAL INFO!!

CALL FOR OUR SPECIALTY CATALOG!

BRAUER SUPPLY COMPANY

BRANCH LOCATIONS



St. Louis, MO Location
1218 S. Vandeventer Ave., St. Louis, MO 63110



Insulation Supply Center
1218 S. Vandeventer Ave., St. Louis, MO 63110



Swansea, IL Location
105 Service Street, Swansea, IL 62226



Union, MO Location
498 Dubois Valley Dr., Union, MO 63084



Jackson, MO Location
2652 Old Orchard Road, Jackson, MO 63755



O'Fallon, MO Location
1231 Tom Ginnever Ave., O'Fallon, MO 63366

BRAUER SUPPLY COMPANY

BRANCH LOCATIONS



Columbia, MO Location
3320 Brown station Road, Columbia, MO 65202



Festus, MO Location
1014 Airport Road, Festus, MO 63028



Joplin, MO Location
1802 Katherine Street, Joplin, MO 64801



Springfield, MO Location
3105-A East Elm, Springfield, MO 65802



Springfield, IL Location
1475 Taylor Avenue, Springfield, IL 62703



Kansas City, KS Location
74 S. James St., Kansas City, KS 66118

**COMPANY CREDIT APPLICATION**

Phone: (314) 534-7150 • Fax: (314) 534-1816 • Toll Free: (800) 392-8776

OFFICE USE ONLY

BRAUER TERRITORY NO. DATE: _____

COMPANY NAME: _____

BILLING ADDRESS: _____

LOCATION OF BUSINESS: _____

TYPE OF BUSINESS: _____ No. of EMPLOYEES: _____

DATE BUSINESS BEGAN: _____

(IF LESS THAN ONE YEAR, WE WILL REQUIRE A PERSONAL GUARANTEE ADDENDUM WHICH IS ON THE OTHER SIDE OF THIS FORM. THIS MAY ALSO BE REQUIRED FOR OTHER NEW ACCOUNTS.)

HAVE YOU OPERATED UNDER ANOTHER NAME PRIOR TO THIS?

YES NO

COMPANY NAME _____

WAS FIRM PREVIOUSLY PART OF ANOTHER COMPANY?

YES NO

COMPANY NAME _____

PLEASE CHECK THE LEGAL STATUS OF YOUR BUSINESS:

PROPRIETORSHIP PARTNERSHIP CORPORATION FED I.D. NO. LLC LLP OWNER'S SOCIAL SECURITY # (IF NO FEIN)

STATE OF INCORPORATION _____

DATE OF INCORPORATION _____

CUSTOMER # _____
SALESMAN # _____
CREDIT LIMIT \$ _____
DATE APP. RECVD.: _____

PHONE # _____

FAX # _____

BILLING E-MAIL: _____

SALES E-MAIL: _____

D & B # _____

(Please Print) NAME	LIST ALL OWNERS, PARTNERS, OR CORPORATE OFFICERS (AND TITLES)	HOME PHONE

STREET	HOME ADDRESS CITY	STATE	ZIP

(Please Print) NAME	LIST ALL OWNERS, PARTNERS, OR CORPORATE OFFICERS (AND TITLES)	HOME PHONE

STREET	HOME ADDRESS CITY	STATE	ZIP

BANK	ACCOUNT #	AVG. BALANCE	FAX # OR PHONE #	BANK CONTACT

OTHER SUPPLIERS (REFERENCES WHO HAVE EXTENDED HIGHEST LINE OF CREDIT)					
NAME	STREET	ADDRESS CITY	STATE	ZIP	FAX # OR PHONE #

EST. MONTHLY PURCHASES FROM BRAUER \$ _____

TOTAL ASSETS \$ _____

ESTIMATED CURRENT LIABILITIES \$ _____

NET WORTH \$ _____

(ATTACH BALANCE SHEET OR COPY OF FEDERAL TAX RETURN FORM 1040 OR 1120)

SALES TAX EXEMPT # _____

(ATTACH TAX EXEMPTION CERTIFICATE/LETTER OR YOU WILL BE CHARGED TAX)

YOUR COMPANY'S TOTAL ANNUAL SALES FOR THE YEAR \$ _____

CREDIT LINE WITH BANK \$ _____

APPLICATION SUBMITTED BY: _____

TITLE: _____

PERSON(S) FOR OUR SALES REPRESENTATIVE TO CONTACT: _____

(PLEASE NOTE: IT IS BRAUER'S POLICY TO REQUIRE AN UPDATE OF ALL CREDIT APPLICATIONS ANNUALLY)

(OVER)

THE UNDERSIGNED HEREBY MAKES THIS APPLICATION FOR CREDIT AND AGREES TO PAY ALL AMOUNTS WITHIN THE TERMS STATED ON EACH INVOICE. IF ACCOUNT BECOMES PAST DUE APPLICANT AGREES TO PAY A FINANCE CHARGE OF 1.5% PER MONTH. ADDITIONALLY THE UNDERSIGNED SHALL BE RESPONSIBLE FOR ALL COLLECTION COSTS AND ATTORNEY'S FEES (REGARDLESS OF WHETHER OR NOT LITIGATION IS CONCERNED) INCURRED IN CONNECTION WITH COLLECTING DELINQUENT ACCOUNTS. IN THE LITIGATION, VENUE SHALL BE IN ST. LOUIS COUNTY, MO.

NO EMPLOYEE OR AGENT OF BRAUER SUPPLY COMPANY SHALL HAVE ANY POWER TO BIND BRAUER SUPPLY COMPANY TO ANY AGREEMENTS BEYOND THE PURCHASE AND SALE OF MATERIAL FOR RESALE OR MAINTENANCE IN THE ORDINARY COURSE OF BUSINESS, UNLESS SUCH COMMITMENTS ARE SIGNED IN WRITING BY AN OFFICER OF BRAUER SUPPLY COMPANY.

APPLICANT HEREBY ACKNOWLEDGES THAT BRAUER SUPPLY COMPANY USES VARIOUS COMMUNICATION MEDIA SUCH AS MAIL, TELEPHONE, FACSIMILE, E-MAIL, AND OTHER GENERALLY ACCEPTED MEANS OF COMMUNICATION WITH CUSTOMERS DURING THE REGULAR COURSE OF BUSINESS. APPLICANT HEREBY ACKNOWLEDGES THEIR WILLINGNESS TO ACCEPT COMMUNICATION FROM BRAUER SUPPLY WITH USE OF ANY MEDIA.

(Dated) (Name of Business)

(Owner/Partner Signature) (Title)

Print Name _____

(Owner/Vice President/Spouse) (Title)

Print Name _____

PLEASE NOTE: APPLICATION MUST BE SIGNED BY AUTHORIZED INDIVIDUAL. IF COMPANY IS A PROPRIETORSHIP OR PARTNERSHIP, THE SIGNATURE OF SPOUSE(S), IF APPLICABLE, WILL BE REQUIRED.

MAIL TO: BRAUER SUPPLY COMPANY
1218 SOUTH VANDEVENTER AVE.
ST. LOUIS, MO 63110
ATTN: CREDIT DEPT. (PHONE: 314.534.7150 • FAX: 314.534.1816 • TOLL FREE: 1.800.392.8776)

Personal Guarantee

IF YOUR COMPANY HAS BEEN IN OPERATION FOR A PERIOD OF ONE YEAR OR LESS, YOU WILL BE REQUIRED TO COMPLETE THE FOLLOWING FOR CREDIT APPLICATION WITH BRAUER SUPPLY COMPANY: (MAY ALSO BE REQUIRED FOR OTHER NEW ACCOUNTS.)

WITH CREDIT APPLICATION OF _____ (Company)

THE UNDERSIGNED HEREBY PERSONALLY GUARANTEES ALL AMOUNTS CONTRACTED FOR AND WILL PROMPTLY PAY SAID AMOUNTS SHOULD THEY BECOME PAST DUE.

IN THE EVENT OF A DEFAULT, THE UNDERSIGNED PERMITS DEBT PAYMENT TO BE CHARGED TO CREDIT CARD LISTED BELOW.

OWNER / PARTNER / PRESIDENT

Signature Date (Title)

I hereby authorize _____ to release bank information for _____ to Brauer Supply Company.
(Name of Bank) (Account Number)

Printed Name _____

Co-OWNER / PARTNER / PRESIDENT / SPOUSE

Signature Date (Title)

I hereby authorize _____ to release bank information for _____ to Brauer Supply Company.
(Name of Bank) (Account Number)

Printed Name _____

Note: If you are an employee of another company, attach most recent w-2 & attach most recent bank statement.



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HEADQUARTERS and INSULATION DIVISION

1218 So. Vandeventer Ave.

St. Louis, MO 63110

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(800) 392-8776

Fax: (314) 534-1816

Insulation Fax: (314) 534-6867

3320 Brown Station Road
Columbia, MO 65202

(573) 442-1171

(800) 322-3120

Fax: (573) 875-0730

1475 Taylor Avenue
Springfield, IL 62703

(217) 544-0265

(888) 544-0265

Fax: (217) 544-0715

1014 Airport Rd.
Festus, MO 63028

(636) 931-8600

(877) 931-8600

Fax: (636) 931-8601

74 S. James St
Kansas City, KS 66118

(913) 281-3100

(877) 589-6838

Fax: (913) 281-3103

3105-A East Elm
Springfield, MO 65802

(417) 862-7117

(866) 284-4032

Fax: (417) 862-7997

2652 So. Old Orchard Rd.
Jackson, MO 63755

(573) 243-4877

(800) 367-4889

Fax: (573) 243-9484

1231 Tom Ginnever Ave.
O'Fallon, MO 63366

(636) 978-6700

(800) 284-8838

Fax: (636) 978-6720

105 Service Street
Swansea, IL 62226

(618) 233-1733

(877) 534-7150

Fax: (618) 233-4426

1802 Katherine Street
Joplin, MO 64801

(417) 624-9600

(866) 845-0733

Fax: (417) 624-9602

498 Dubois Valley Dr.
Union, MO 63084

(636) 583-8855

(800) 585-8856

Fax: (636) 583-8266