



UPC #040 #046 #048 MOBILE HOME DUCT 25' Insulated UL 181 Class 1 Air Duct

Description

ATCO's UPC #040 #046 #048 are UL 181 Class 1 Air Ducts and are manufactured with a black, heavy-duty polyethylene jacket which complies with the HUD requirements for outdoor mobile home installation.

The UPC #040, #046, and #048's inner core is air-tight and is designed for low-to-medium operating pressures in HVAC systems.

Construction

A double lamination of tough polyester which encapsulates a steel wire helix forms the air-tight inner core. The double-layer core is wrapped in various thicknesses of fiberglass insulation blankets to provide the R-value specific to each product. The core and insulation are reinforced with scrim, and sheathed in a rugged and durable black seamless polyethylene jacket.

Applications

UPC #040, #046, and #048 are designed to be used as: a supply and return air duct connecting a self-contained HVAC system to the main air duct of a mobile or modular home; a complete air duct system and/or a branch duct when a horizontal or upflow HVAC unit is used in a mobile or modular home; and as a Crossover Air Duct to join the main air ducts of a doublewide mobile or modular home.

Code Compliance*

UL 181, SBCC, BOCA, NFPA 90A & 90B, HUD 3280.715 (b), Cities of Chicago, New York & San Francisco, County of Dade (Florida), California State Fire Marshal.

*ATCO recommends that you check with the local code body having jurisdiction in your area to determine applicable codes.

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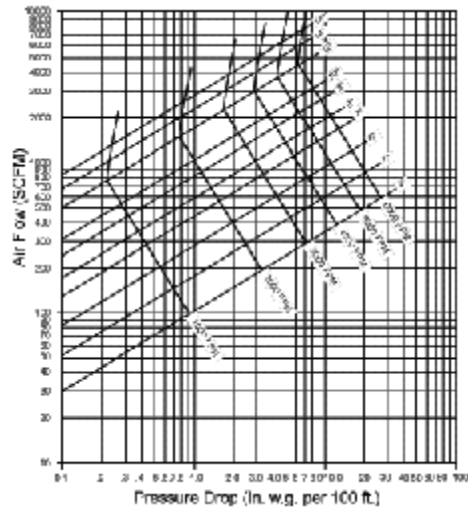
Features and Benefits

- **Air-tight Inner Core**
Energy efficient
No fiberglass erosion into airstream
- **Encapsulated Wire Helix**
No unraveling when cut to length
Quick installation
- **Smooth Inner Core**
Low friction loss
Low operating cost
- **Thick Blanket of Fiberglass Insulation**
UL Classified R-Values
Energy efficient
Excellent thermal characteristics
- **Outdoor Heavy-Duty Polyethylene Jacket**
Tear and puncture resistant
Low maintenance
- **Lightweight Compact Carton**
Reduces warehouse and job site handling costs.



Product and Performance Data

Air Friction Chart *



STRAIGHT RUN * FD 72-R1 Test Code of the Air Diffusion Council. Friction loss is computed in inches of water gauge per 100 ft. of straight duct. By using CFM or FPM values for a given duct dimension, the friction loss can be determined. Conversion of CFM to FPM also can be made.

Product Data

- Length: 25'
- Diameter: 8", 10", 12", 14"
- Vapor Barrier: Seamless black polyethelene
- End Treatment: 25'-plain ends
- Packaging: 1 piece per carton

Warranty

Atco warrants that all flexible ducts will be free from defects in material and workmanship for a period of five years from the date of purchase only if the ducts are installed in accordance with Atco's installation instructions and under conditions specified in Atco's performance data. The buyer's exclusive remedies for any defect in the flexible ducts shall be replacement or refund of the purchase price, at Atco's option.

ATCO MAKES NO OTHER WARRANTIES, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE. IN PARTICULAR, ATCO MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ATCO SHALL HAVE NO LIABILITY TO THE BUYER OR ANY THIRD PARTY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, PROPERTY DAMAGE, LOST PROFITS OR OTHER ECONOMIC INJURY DUE TO ANY DEFECT IN THE FLEXIBLE DUCTS.

MATERIALS AND SPECIFICATIONS FOR THE FLEXIBLE DUCTS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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UPC #040 #046 #048 Performance Data

- **Rated Positive Pressure:**
- 10" w.g. per UL-181 (UL Listed pressure ratings are determined in straight lengths @ ambient temperatures.)
- **Recommended Operating Pressures:** (Determined in a 90° bend at elevated temperatures in accordance with ADCFD 72-R1 Test Code.)
- **Maximum Positive:**
4" w.g. - 8" thru 10" Dia.
2" w.g. - 12" thru 14" Dia.
(With factory installed metal collars, 2" w.g. - all diameters)
- **Maximum Negative:**
3/4" w.g. - all diameters
- **Maximum Velocity:** 5,000 FPM
- **Vapor Transmission:** .1 perms
- **Maximum Operating Temperatures:**
-20°F to 140°F Continuous (@ maximum pressure)
-20°F to 180°F Continuous (@ 2" pos. w.g. max.)
-20°F to 250°F Intermittent (@ 1/2" pos. w.g. max.)
- **R Value:**
R-4.2 (#040), R-6.0 (#046), R-8.0 (048)
(In accordance with ADC flexible duct performance and installation standards (1991) using ASTM C-518 at installed wall thickness on flat insulation only.)
- **Flame Spread:** Less than 25
- **Smoke Developed:** Less than 50

INSTALLATION: Air duct connections and joints shall be made per installation instructions outlined by ATCO Rubber Products, Inc. and as required by the UL 181 listing procedure. (Installation instructions are included inside of each carton.)

ATCO RUBBER PRODUCTS, INC.
CORPORATE HEADQUARTERS
7101 ATCO DRIVE
FORT WORTH, TEXAS 76118-7098
PHONE: (817) 595-2894

1-800-USS-DUCT (1-800-877-3828)
FAX: 1-(800)-366-3539