

# AIR CURTAIN



**COOK**

# Air Curtain Introduction & Construction Features

The **COOK** Air Curtain provides an effective barrier of moving air anywhere a wall opening might allow the unwanted transferral of temperature, humidity, insects, odors, or pollutants. The **COOK** Air Curtain is designed and built for installation in office and shop applications over conventional 3' doors. It may be installed side by side for double doors and larger doors such as service, overhead, sliding warehouse, or loading dock doors.

## Air Curtain



## Typical Applications

- Industrial Plants
  - Retail Stores
  - Hospitals
  - Scientific Laboratories
  - Food Services
  - Warehouses
  - Motels
  - Offices
- Anywhere a wall opening allows unwanted transferral of temperature, humidity, insects, odors, or pollutants.

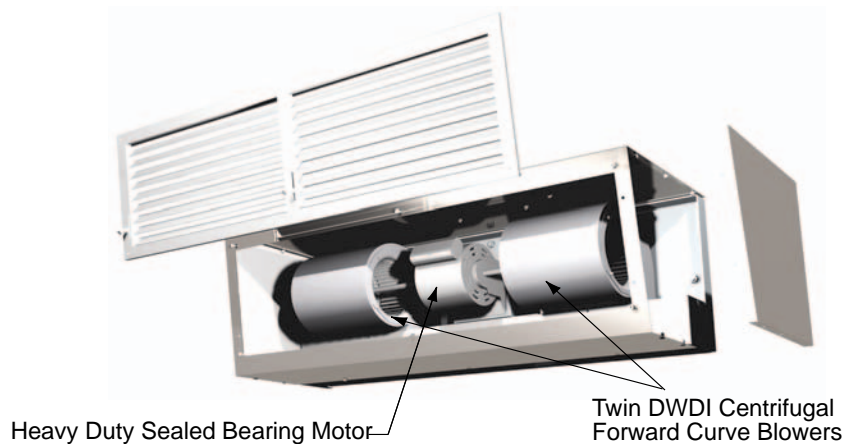
## Construction Features

Hand adjustable intake louver allowing accurate control of air volume.



Four individual, hand-adjusted nozzle deflector blades provide a balanced, properly directed air-flow best suited for the required conditions.

Easily removed cover for motor and blower access.



**Air Curtain**

**Description** - Fan shall be DWDI twin housing direct driven air curtain.

**Certifications** - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705).

**Construction** - The fan shall be of bolted and riveted construction utilizing corrosion resistant fasteners. Housing shall be minimum 18 gauge aluminum. An adjustable intake louver shall be provided to control airflow. Four adjustable nozzle deflector blades shall provide a properly balance direction of airflow allowing compensation for draft conditions through open doorways. Integral hanging brackets shall be provided for wall installation. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

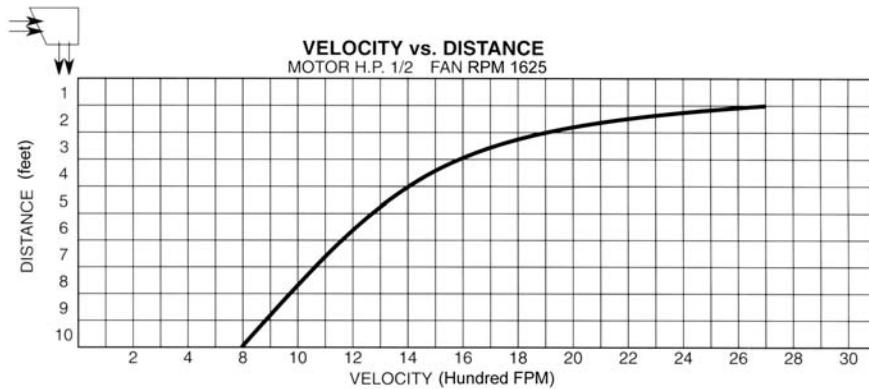
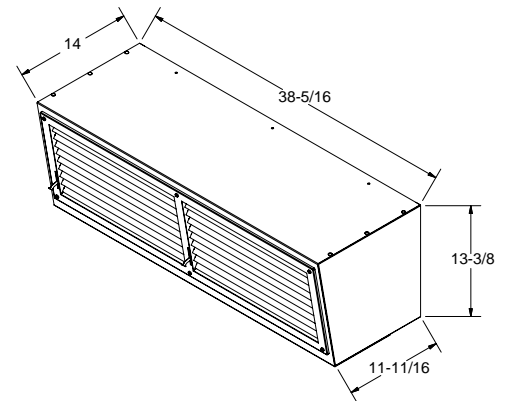
**Wheel** - Wheel shall be DWDI centrifugal forward curved type, constructed of galvanized steel. Wheel shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

**Motor** - Motor shall be minimum 1/2 HP, heavy duty resilient mount ODP type with permanently lubricated sealed ball bearings and thermal overload protection. Motor shall be 115 volt single phase.

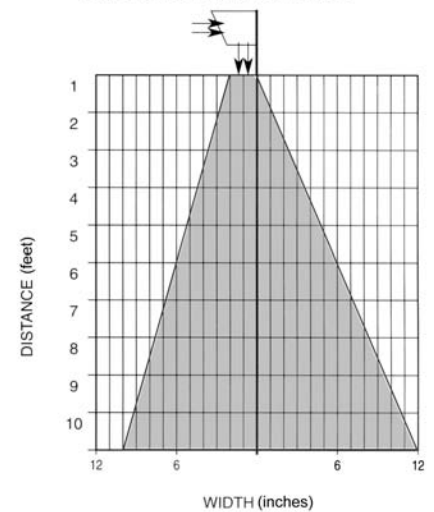
**Product** - Fan shall be model AC-17D-1 as manufactured by Loren Cook Company of Springfield, Missouri.



Type Air Curtain is furnished standard with UL 705 and cUL 705 listings (Power Ventilator/ZACT).



**THROW WIDTH vs. DISTANCE**



**Air Curtain Performance Data**

Intake Louver Position	Nozzle Velocity (FPM)	Air Flow (CFM)
FULL OPEN	3500	3234
1/4 - CLOSED	2975	2749
1/2 - CLOSED	2700	2495
3/4 - CLOSED	2200	2033



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