

LUX air curtains (residential, commercial, official)

1. SIMPLE MODEL

Adopting the technology of German electrical machinery, it runs smoothly with low noise

The irregular distancing and ultra-quiet wind wheel can produce a powerful air-flow

Operated by remote control, with surge protection and power backup

Thin metal direction blade give better control of air flow .

Integrated design with special design side cover outstand the look .

Remote control & Tap switch with light indicator, easy operation .

Other Features:

Easy to open, convenient design which does not use screws outside cover.

The stainless cover is made from high-tech aluminum and ABS of high quality.

With a uniquely designed air guide bar, it can produces wind in all directions,

working well in various environments .

It can be operated either by remote control or switch. It has high and low speed switch functions .

Adopting optimized electrical machinery, it operates reliably,

and runs safely for 5,000 consecutive hours



2. ELECTRICAL HEATING MODEL

Adopting optimized electrical machinery, it operates reliably, and runs safely for 5,000 consecutive hours .

Through extensive research and development Theodoor has come up with a high technology solution to noise control : the result is a strong and even air-flow with minimal noise disturbance .

Honeycomb grille design intake, so that the intake more smoothly at the same time more effective in reducing air curtain running noise .

Other Features:

Metal cover, advanced fire resistance, easy installation and simple maintenance.

High and low air speed setting meets the need of multiple applications .

Adopted un-electrified surface PTC heater, safety, fast temperature rising, automatic temperature control, creating comfortable air barrier.

Strong and fast heat generating, stable performance, low power consumption .

Cooling(Normal air) or heating air can be chosen separately by remote control.

PTC heater and Motor with over-heated protector, effectively protecting and energy saving under normal use .

Delay turnoff protecting device automatically performing when turning off heating air operating state, efficiently extending product life .



3. WATER HEATING MODEL

Uses a large wind wheel coordinated with optimized machinery to produce a high airflow force, resulting in effective environment partitioning

Ultra-thin air curtain design: allows the use of water vapor for high heat dispersion

Technology leader: uses a double speed airflow switch, making it even more suitable for use in both summer and winter

other Features:

The entire casing, made from galvanized steel, will never distort and will retain its great appearance throughout use.

Operated by the touch of a button, it has high and low speed switch functions .

Double sided water inflow points allows convertibility for installation in different locations.

Adopting optimized electrical machinery, it operates reliably, and runs safely for 5,000 consecutive hours..

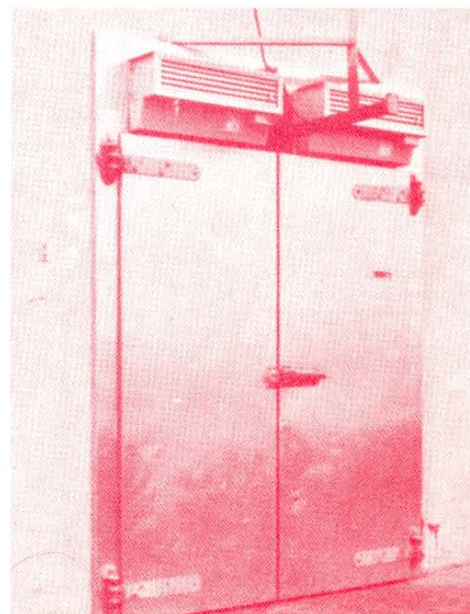
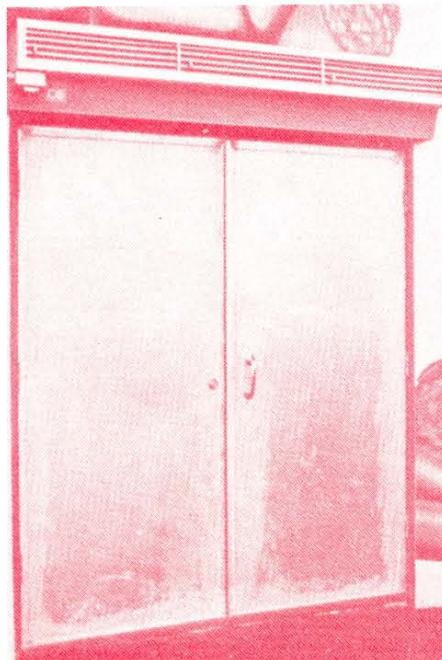


TAHVIEH HAMOON

INDUSTRIAL TYPE

AIR CURTAIN

(AIR DOORS)



AIR DOOR SELECTION CHARTS

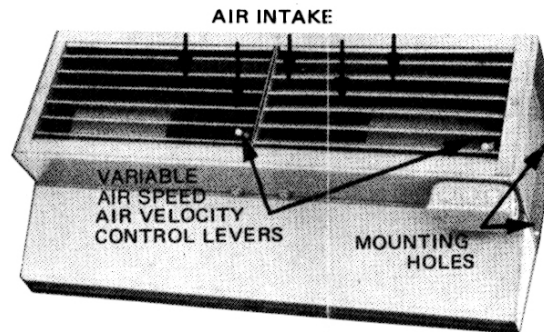
SERVICE ENTRANCE



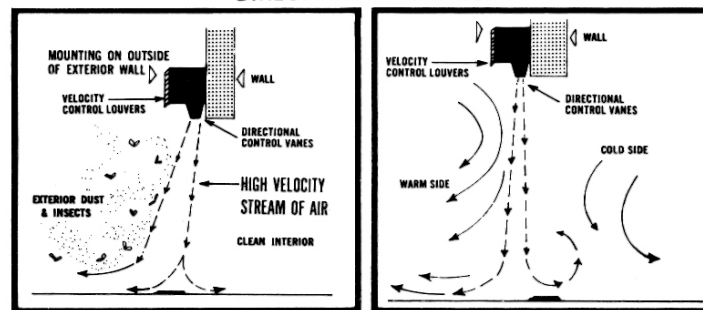
SAFEGUARD AGAINST INSECTS AND DUST

TAHVIEH HAMOON Air Doors create an invisible barrier of high velocity air to stop insects, dirt and dust from infiltrating food facilities and other clean work areas. For use in: Meat Packing Plants • Food Processing Plants • Supermarkets • Commissaries • Schools • Restaurants • Hospitals • Laboratories • Pass - Thru Openings • Cold Storage Plants

← MODEL NUMBER DESIGNATES LENGTH OF UNIT IN INCHES →



DIRECTIONAL CONTROLS



ADJUSTMENT OF AIR FLOW FOR DUST & INSECTS

ADJUSTMENT OF AIR FLOW IN COOLERS & FREEZERS

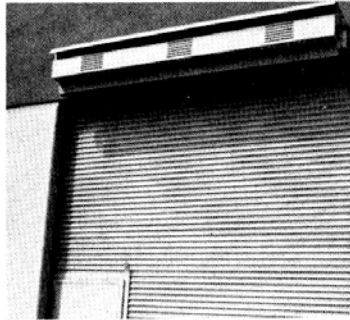
- WHETHER THE TAHVIEH HAMOON AIR DOOR IS MOUNTED INSIDE OR OUTSIDE THE EXTERIOR WALL, THE PERFORMANCE IS EQUALLY EFFICIENT.
- WHEN USED TO PREVENT COLD WINTER AIR ENTERING BUILDING UNITS MUST BE INSTALLED ON WARM SIDE.
- NOTE: ELECTRICAL OR HOT WATER HEATING COIL ARE EXIST FOR ALL UNITS OPTIONALLY.



TAHVIEH HAMOON

INSTALLED OVER WAREHOUSE DOORS

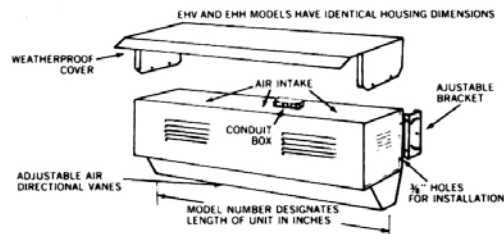
EHV & EHH MODELS
EXTRA HIGH VELOCITY MODELS
 For Doors 8' to 12' High
EXTRA HIGH H MODELS
 For Doors 12' to 16' High



For use in: Dairies • Meat, Poultry and Fish Processing Plants • Canneries • Bakeries • Cold Storage • Frozen Food Plants • Commissaires • Soft Drink Plants • Grocery Warehouses • Commercial Warehouses • Pharmaceutical Plants • Electronic Plants

PURPOSES:

- Provide complete protection against insects, dust, dirt and fumes.
- Provide an invisible barrier affording personnel an unobstructed view.
- Provide constant interior temperature by preventing the entry of hot or cold air.



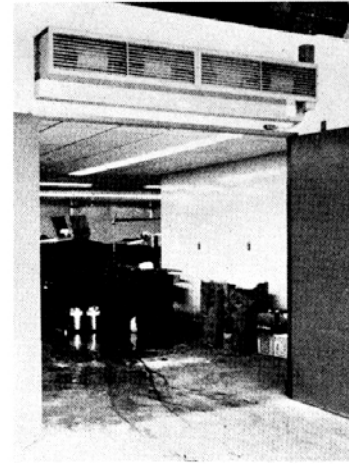
REFRIGERATION: COOLERS & FREEZERS MAINTAIN INTERIOR TEMPERATURE REDUCE HUMIDITY

- Stop entry of warm moist air when doors are open
- Lessen the frequency of expensive defrosting
- Prevent refrigeration system from overloading
- Eliminate need for expensive flapper doors or canvas curtains
- Prevent the possibility of accidents with unobstructed view of passageway

**TAHVIEH HAMOON
 MANUFACTURING CO. LTD.**



STANDARD MODELS



RECEIVING SERVICE ENTRANCES

Wedge shaped discharge nozzle containing adjustable air deflectors with a 40 grit sweep from front to back.

Housing shall be of sufficient strength for fastening to wall on both ends without any intermediate support.

Air intake to be protected against inclement weather.

Standard models require a minimum space of 20" and EHV and EHH models require 25" over door header.

AIR DIRECTIONAL CONTROL

Adjustable vanes at outlet nozzle direct air to compensate for possible draft conditions through door openings. When used over a refrigeration door to retain cold temperature, proper **directional** adjustment is important for maximum efficiency (Optionally).

AIR VELOCITY CONTROL FOR VARIABLE AIR SPEED

Adjustable louver damper controls are provided on STANDARD MODELS in order to adjust rate of air flow. Optional on EHV and EHH models. When used over a refrigeration door to retain cold temperature, proper **velocity** adjustment is important for maximum efficiency. Velocity Control can reduce air velocity up to 60% with louvers in totally closed position.

EASY INSTALLATION

TAHVIEH HAMOON Air Doors are bolted to wall with atleast four fasteners and connected to electric power source.

- Over wider door openings, use in multiples side by side spaced not more than six inches between units. Example: 2 Models EHV 84 (7') for 14' wide door.
- If 12 to 16 foot high openings are within the building (room to room) as warehouse to manufacturing area or warehouse to processing area, etc., use EHV Models for insect control.
- TAHVIEH HAMOON Air Doors will hold winds up to a maximum of 15 MPH but cannot be completely stopped when there is an indraft caused by an exhaust system in the building (negative pressure). Also, a severe wind tunnel effect will arise if other outside doors, windows or roof ventilators are completely open.
- Cold weather can be best deterred at door opening if direct fired gas heaters are ducted toward the intake of the TAHVIEH HAMOON Air Door. Unit must be mounted indoors to minimize cold air infiltration and offset heat loss. Standard models recommended.
- All TAHVIEH HAMOON Air Doors are in conformance with Good Manufacturing.