

INSTALLATION INSTRUCTIONS

COMMERCIAL HOYME AIR EXCHANGER HAE-1000-500



Interior view (bottom)

The commercial 'HAE-1000-500' is 14"x 23"x 100"
Shipping Weight = 80lbs.
This air exchanger handles approx 500 CFM.
This unit has two 8"Ø intakes and two 8"Ø exhaust ports projecting out both ends.
Comes with:

½" Plastic drain hose (15') & 24" Mounting Brackets (x4)



Installer is to supply 8"Ø ducting, two all-weather hoods, manual balancing damper and other necessary connectors for intake and exhaust.

Fans may also be necessary if not connecting to a forced air heating system. Motorized Dampers are optional but recommended.

Other recommended items are listed below.

READ COMPLETE INSTRUCTIONS BEFORE STARTING THE INSTALLATION OF THIS PRODUCT.

THIS INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ENFORCING AUTHORITIES
Air supply and installation shall be in accordance with National Building Codes and/or Local Codes.

Designed to be inter-connected to forced air heating system or motorized fans.
Motorized dampers are recommended but not required.

1. Select location for the **HAE**, preferably close to outside wall. Location must allow for bottom cover to be removed for cleaning.
2. Mount the **HAE** securely using screws and four metal brackets supplied.
3. Cut 8"Ø openings in outside wall for the air intake and exhaust.
4. Insert 8"Ø All-Weather Hoods from the outside and fasten into place with proper screws.
5. Fasten 8"Ø insulated flex ducting to the 8"Ø sleeve of the all weather hood. fasten 8"Ø sleeve with a sheet metal screw. **stretch** the 8"Ø flex ducting to reach the **HAE** and cut to length.
Repeat this same process for each of the outside ducts.

6. Attach insulated ductwork from the outside hoods to the ducts on the HAE clearly labelled

**EXHAUST AIR
TO OUTSIDE**

**FRESH AIR
FROM OUTSIDE**

7. Attach un-insulated ductwork from the inside the building to the ducts on the HAE clearly labelled.

**FRESH AIR
TO BUILDING**

**EXHAUST AIR
FROM BUILDING**

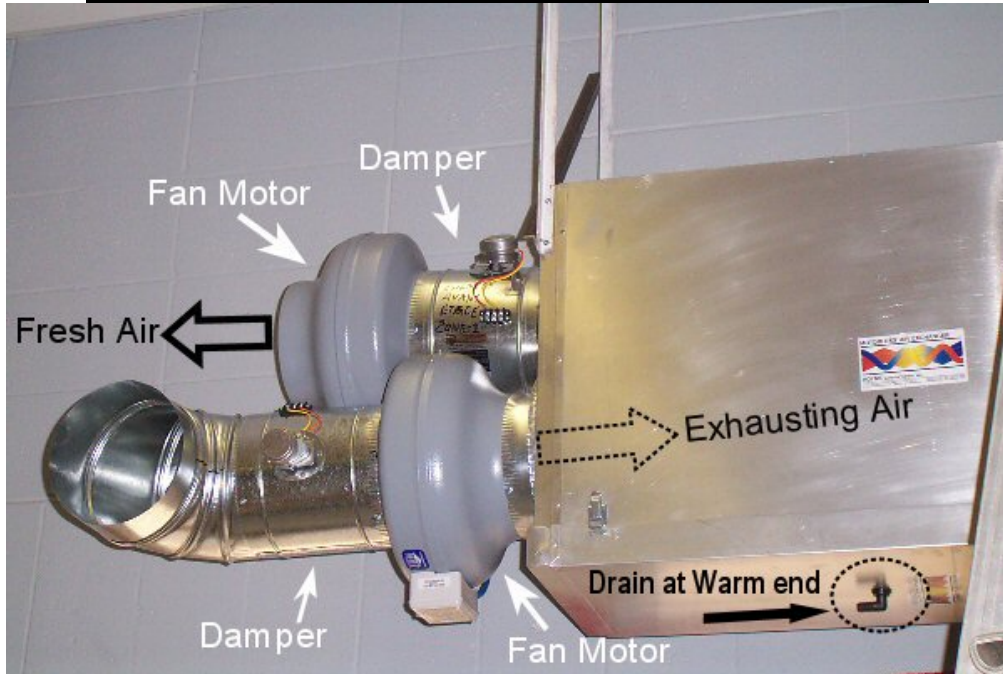
8. When not connected to a forced air heating system using inline fans and motorized dampers is recommended.
9. When using the inline fan and motorized damper system, attach the motorized damper closest to the "Fresh Air to Building" duct, then the inline fan as seen in the photo below.
10. On the "Exhaust Air From Building" duct attach the inline fan closest to the air exchanger and then the motorized damper.
11. Connect ½" Drain Hose. To provide proper drainage, level of hose must **Always** be lower than the Bottom of the **HAE**. To assist water drainage, mount **HAE** level with ½" drain spout situated at the warm (building) end of the **HAE**.

NOTE: Heat during the firing cycle usually melts the ice formed and is drained off through a ½" plastic hose.

NOTE: FASTEN ALL DUCTING IN A NEAT AND TIDY MANNER, FREE FROM PUNCTURES, EXCESSIVE HEAT AND WEAR. CAREFULLY TAPE ALL ENDS. SUPPORT FLEX DUCTING AS LEVEL AS POSSIBLE TO PREVENT WATER POCKETS FORMING DURING DEFROSTING MODE.

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Typical installation for HAE-1000-500



















When possible, use inline dampers, elbows and elbow dampers on the vacuum side of the fan,





HAE-Recommended Items for HAE-1000-500
Commercial Air Exchanger

Parts Checklist:














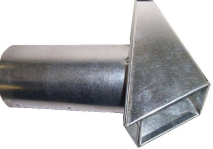



 (#4)	HAC - Universal Air Damper - 8"Ø Power Open 24Vac - (HAC-0810-OPO)	
 (#4)	HAC - Universal Air Damper - 8"Ø Power Open 24Vac - (HAC-0810-OPO)	
 (#7)	Insulated Flex Ducting, for the Cold End of the HAE - 8"Ø (1535-0081-800)	
 (#4)	Inline Fan, 8"Ø (636 CFM) (FAN-0636-008-K)	
 (#4)	Inline Fan, 8"Ø (636 CFM) (FAN-0636-008-K)	
 (#4)	ALL WEATHER HOOD, 8"Ø (OOH-0800-000)	
 (#4)	ALL WEATHER HOOD, 8"Ø (OOH-0800-000)	
 (#4)	24Vac Transformer - for dampers (TRN-0024)	

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HAE- HAE-1000-500

Recommended Items for Commercial Air Exchanger - with proving switch

Parts Checklist:

 (#4)	HAC - Universal Air Damper - 8"Ø Power Open 24Vac - with end switch (HAC-0810-SPO)	
 (#4)	HAC - Universal Air Damper - 8"Ø Power Open 24Vac - with end switch (HAC-0810-SPO)	
 (#7)	Insulated Flex Ducting, for the Cold End of the HAE - 8"Ø (1535-0081-800)	
 (#1)	Inline Fan, 8"Ø (636 CFM) (FAN-0636-008-K)	
 (#1)	Inline Fan, 8"Ø (636 CFM) (FAN-0636-008-K)	
 (#1)	ALL WEATHER HOOD, 8"Ø (OOH-0800-000)	
 (#1)	ALL WEATHER HOOD, 8"Ø (OOH-0800-000)	
 (#1)	24Vac Transformer - for dampers (TRN-0024)	
 (#1)	Interface Relay Adaptor - for end switches (ADP-1102-TPX)	