

*Excellence in Independent  
HVAC Products*

***MORTEX™ a trusted name for over 60 years, combines high quality production and solid engineering to provide Hydronic Products to the industry. The MORTEX™ family of products provides an array of versatile and efficient cooling and heating solutions to fit your every need.***

## *Multi-Family Products*



## Multi-Family Products

### AHW 1-2 Series

### Wall Mount Air Handlers (Electric and Hydronic)

#### AWH1-2 WALL MOUNT AIR HANDLER

- High Efficiency Constant Torque ECM Motor
- High Efficiency "A" Coil
- Pre-wired for Heating & Cooling
- Easy Access for Service & Maintenance
- <https://mortx.com/products/suntherm-manufacturing-inc/#ms>

- 1 Circuit Breakers—Optional
- 2 High Efficiency ECM Motor
- 3 Fully Insulated Cabinet and Door
- 4 Universal Disposable Filter
- 5 Add-on Electric Heat 3kW-10kW



These air handlers are designed for vertical mounting in a wall or closet application, and will handle up to 1200 CFM and up to 3 tons of cooling with a DX cooling or heat pump coil. For DX cooling requirements these air handlers can be matched with most manufactures condensing units and heat pumps. The front of the case is open to accomodate a louvered/filtered access panel.

#### Field Installed Options:

- Louvered access door panels.

#### Factory Installed Options:

- R410a Thermostat expansion valve.  
Expansions valves are suitable for heat pump application.
- Add-on 3kW=10kW electric heat strips.
- Fully painted cabinet.

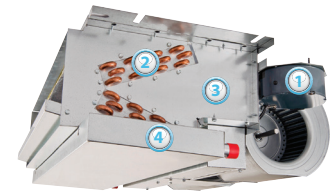
### HE Series

### High Efficiency Ceiling Mounted Air Handler

#### "FUR DOWN" HIGH EFFICIENCY HORIZONTAL CEILING MOUNTED AIR HANDLER

- Advanced Engineered "A" Coil Design
- ECM Brushless DC Motor
- DX Or Chilled Water Cooling
- Electric, Hot Water Or Heat Pump Heating
- Available as Cased or Uncased
- Up to 58K BTUH Hot Water Heat
- <https://mortx.com/products/suntherm-manufacturing-inc/#he>

- 1 High Efficiency Constant Torque ECM Motor
- 2 High Efficiency "A" Coil
- 3 Pre-wired for Heating & Cooling
- 4 Easy Access for Service And Maintenance



HEU1/HEC1 Direct Expansion Cooling/Electric Heating  
HEU3/HEC3 Chilled Water Cooling/Electric Heating

HEU2/HEC2 Direct Expansion Cooling/Hot Water Heating  
HEU4/HEC4 Chilled Water Cooling/Hot Water Heating

The **High Efficiency Series Air Handlers** are engineered to achiev or exceed today's demanding energy rating requirements. Specifically designed for horizontal mounting into a furred down ceiling. Advanced engineering allows these units to efficiently handle up to 1200 CFM and up to 3 tons of cooling with a DX cooling coil, heat pump coil or Chilled Water coil. These units are available with up to 10kW of electric heat or up to 51,000 MBTUH of hot water heating capacity. For DX cooling requirements, these air handlers can be matched with most manufacturer's condensing units and heat pumps.

The **"HE" Series** cased concealed ceiling unit has been designed to meet ASHRAE Standard 193 to not exceed 2% air leak loss.

The **"U" Series** Air Handlers are exposed blower type and the **"C" Series** Air Handlers are equipped with an insulated cabinet over the top and the sides. The bottom case is open to accomodate a solid or louvered filtered access panel.

The cased units have a knock-out for rear air. Return air duct flanges and filter racks are field supplied.

# Multi-Family Products

## MS Series

### Multi-Position Air Handler

- ECM Variable Speed Motor
- Upflow Or Horizontal Application
- DX Or Chilled Water Cooling
- Heat Pump, Electric Or Hot Water Heating
- 208/230/1/60 or 115/1/60

• <https://mortx.com/products/suntherm-manufacturing-inc/#ms>

This fan coil/air handler provides the flexibility for installation in any up-flow or horizontal application. These versatile models may be used for split system cooling or heat pump operation. Compact cabinets along with return air options in both the up-flow and horizontal positions allow this unit to fit into tight spaces such as closets, attics, and crawl spaces.

- **CABINET**-The cabinet is constructed of heavy gauge galvanized steel. Standard cabinets are pre-painted steel for the top, coil and blower doors, the cabinet wrapper is heavy gauge embossed galvanized steel.
- **BLOWERS**-Blowers are sized to both circulate air quietly and efficiently. All blower/motor combinations are fully factory tested in our labs to optimize air flow and power usage.
- **COILS**- Using the latest in heat transfer technology, our rifled copper tube/aluminum fin coils produce high performance ratings and provide long lasting quality.
- **TXV'S**-Factory or field mounted, bolt on Thermostat Expansion Valves. Our TXV's are all non-adjustable and have been optimized per Suntherm specifications for performance and efficiency.
- **ELECTRIC HEATERS**-Electric heaters are available from 5Kw to 20Kw.
- **HYDRONIC HEAT**-Optional hot water coils are available for all models. These coils are available in 2,3,4 rows with or without circulating pump.



- ① Constant Torque ECM Motor
- ② Heavy Gauge Cabinet Construction
- ③ DX or Chilled Water Coil
- ④ Electric or HW Heating Coil

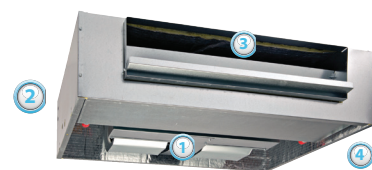
## C/S Series

### Cased And Uncased Ceiling Mounted Fan Coil

- DX Or Chilled Water Cooling
- Electric, Hot Water Or Heat Pump Heating
- Compact Concealed Design
- Easy Access For Service and Maintenance
- Add On Electric Heat up to 10kw

• <https://mortx.com/products/suntherm-manufacturing-inc/#cs>

- ① Constant Torque ECM Motor
- ② Compact Concealed Design
- ③ DX or Chilled Water Coil
- ④ Pre-wired for Heating & Cooling



These air handlers are designed for horizontal mounting into a furred down ceiling, and will supply up to 1200 CFM and up to 3 tons of cooling with a DX cooling or heat pump coil, or chilled water coil. For DX cooling requirements these air handlers can be matched with most manufacturer's condensing units and heat pumps. The "S" series air handlers are exposed blower type, and the "C" series is equipped with an insulated cabinet over the top and sides. The bottom of the case is open to accommodate a filtered louvered access panel. The cased units have a knockout for rear return air.

#### Standard Features:

- High Efficiency ECM Motor
- Electric heat models are 208/240/1/60.
- Hot water heat models are 115/1/60.
- Water circulating pump is factory installed on hot water heat models.
- Space saving design.
- Galvanized steel blower wheels.
- Prewired for cooling and heating.
- Control transformer.
- Primary and secondary condensate drain pans.
- Easy access for service and maintenance.
- High efficiency copper tubes with aluminum fin coils.
- Field Installed Options: Louvered or non-louvered ceiling access panels.

# *Excellence in Independent HVAC Products*

- Seventy Plus (70+) years of Engineering and Manufacturing Experience
- Rigorous Quality Control System
- Outstanding Customer Service
- Over 700,000 Square Feet of Office and Manufacturing Space
- Flexible Production Capacity
- Three Hundred (300+) Dedicated Employees
- Proven Quality Packaging Standards



For information on **SunTherm** Please Contact:

Office Phone Number: 800-444-6354

Or your Mortex Representative by email

Email: [customerservice@mortx.com](mailto:customerservice@mortx.com)