



A breath of fresh and healthy air!!!



The Company

Aster Teleservices is an ISO 9001 certified company, Established in 1998. ASTER GROUP is a young and dynamic organization managed by dedicated professionals with expertise in different business segments. In addition to offering complete turnkey solutions for Telecom OEM and Service providers it has made rapid strides in extending required skills and resources to the HVAC Sector.

In keeping with its quest for innovation and meeting marketing needs, Aster is offering different type Air Handling Units like Floor mounted, Ceiling suspended, Unitary & special units for Shopping malls, Hotel, Offices, Institutional buildings, multiplexes and Pharmaceutical Industries.

We at ASTER deliver effective air management solutions. ASTER has innovative technologies in supplying high quality, cost effective and energy efficient air management systems to customers. We deliver a superior, reliable and quality product So that our customer gets better IAQ.

We at ASTER are well equipped to meet the demands of changing market environment.

Our Reach



Aster group various verticals

1. Telecom
2. Transmission & Distribution
3. Poly Engineering Systems
4. Pre-Engineering Buildings
5. Special Structures
6. International Business & Operations



Applications

Comfort Air Conditioning for:

- Shopping Malls
- Multiplexes
- Hotels
- Hospitals
- Laboratories
- Airports
- Offices
- Institutional Buildings
- Studios
- Schools

Capacity Range

- 1000 CFM to 40000 CFM



Poly Engineering Systems

This Division provides independent and reliable solutions towards Air handling Units, Cold Rooms & Clean Rooms, Thermal Management and Defense Shelters. ASTER high specification AIR HANDLING UNIT ranges have all the functional sections needed to offer flexibility and to meet any air handling requirement. The components of each AHU are optimized & designed to conform to current standards and relevant guideline in market. Aster AHU is capable of meeting your needs; such as indoor or outdoor mounting, 100% outside air, return air, mixing air and air blending options.

Our Strength

- Capability to successfully execute the project from Concept to Commissioning
- Complete factory warehouse with several lines of stock material to accommodate your project satisfaction
- Production lines offer complete in-house laminating, product fabrication and assembly
- Offices in all major cities of the country, which enables it to serve in an efficient manner
- Committed to maintain World Class Standards in terms of quality, delivery and efficient service

Poly Engineering Systems–Air Handling Units

Product range

- Floor mounted units
- Vertical units
- Ceiling suspended units
- Ventilation units
- Special units





Benefits to go with Asters AHU

Better aesthetics and Air quality

Special care is given during profile cutting & panel assembly so that no panel gap & level difference occurred at profile to panel and panel to panel joint. Improved panel arrangement with the help of special tools & good quality gasket reduces the air leakage into the AHU. This results in better aesthetic, better air quality & good thermal properties.



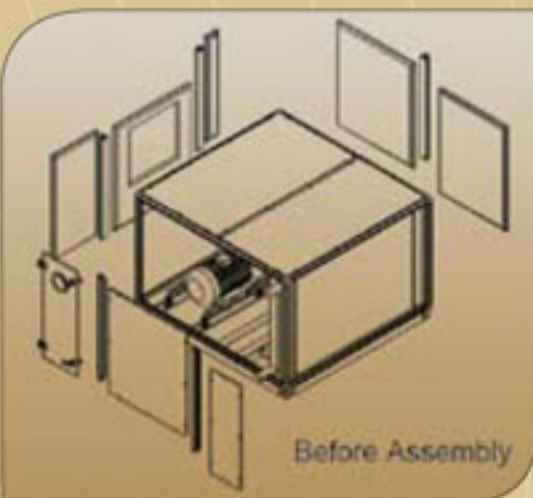
Design & Energy efficiency

The overall efficiency of an AHU is determined by the energy it takes to move a given quantity of air against the system. There are three major design parameter for efficient AHU making:

- Proper Fan selection
- Proper cooling & heating coil selection
- Reducing the overall Pressure drop

Above selection are done by our highly qualified and experienced design team with the help of latest selection software For Coils & Fans, So that you get the best AHU in market.

We provide you "Low leak cabinet" design which means you're providing cooled air to the intended space only.



Before Assembly



After Assembly

Easy Service and maintenance

We provide Access door with glass window at fan section for monitoring & servicing fan and motor. Marine lamp is also provided which is electrically connected with limit switch, whenever door is opened it turned on which ease in better visibility.





Low noise

Using of double skin panels, AMCA certified fans, Vibration/Spring Isolator & good quality canvas connection reduces the vibration resulting in low noise operation.



Panels

Our AHU are available with Double skin panels. Outer skin / inner skin available in various material like pre-coated GI / Aluminum / Stainless steel / Powder Coated GI/ Plain GI. Panels with 25 mm /45 mm thick - Thermal or Non Thermal break panels are available which are pressure injected with Uniform & High density CFC free polyurethane foam of density 40 kg/m³ provides better thermal & sound attenuation properties.



Profiles

Aster AHU made of high quality AL profiles frame channel - the back bone of the unit. Our framework comprises of an assembly of anodized or normal high quality aluminum profiles and nylon corners & centre joints to give better rigidity & strength and to avoid the condensation at the corners. Thermal break profiles are also available on request.



Fan section

Our fans are AMCA certified. Fan section having different type of fans as per the design or customer requirement like forward / backward curved centrifugal fan with single or twin blower arrangement to meet the required design condition. To ensure that no Fan vibration will transmit to the Air handling unit & duct connected to it, Vibration isolator are provided at the bottom & Canvas (Fire & vapor resistant) connection at the mouth of the fans. The fan is V - belt driven through a 3 phase squirrel cage, TEFC induction, IP55, Class 'F' energy efficient motor. Backward curved aerofoil and backward curved plug type for high static application are also available on request.



Coil section

CHW/HW/DX coils are selected with the help of latest computer software & are manufactured with latest technology m/c's for high efficiency heat transfer. Chilled water coils are self draining & vented type. Anti-corrosive hydrophilic Al fins are also available on request. Special design dual slope Drain pan are available in Aluminum / Stainless steel / GI construction insulated on outside with close cell insulation.



Filter

The filters are of synthetic non-woven media, supported with aluminum mesh. Available in standard or non-standard sizes. The sizes are standardized in four sizes which are internationally recognized. As per the requirements different sections are available like the Pre-Filter section, Fine Filter sections, Hepa-Filter section and Bag-Filter section.



Safety & Control

For better safety & control our AHU are provided with Limit switches & Door guard (perforated mesh). Limit switch automatically trip the AHU motor whenever door is opened.

