



JYOTI ELECTRO TECH

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AHU

JYOTI ELECTRO TECH has a fully integrated, state-of-the-art manufacturing facility, specialising in the production of HVAC & R components and systems. The company offers air handling units in capacity range of 1000 CFM to 40000 CFM. These are manufactured in heavy-duty extruded aluminum profile with and without thermal break and internal covering section. The unit panels are filled with 25 or 50 mm thick pressure injected polyurethane foam, having 38/40 kg/m³ density. Various options such as pre-coated galvanized sheets, plain galvanized sheets, aluminum and SS 304/SS 316 sheets in various thicknesses are available for inner and outer skin of double skin panels. High efficiency, AMCA certified, imported DWDI and plug type blowers are used – forward curved blowers for normal and backward curved for high resistance applications. Drain pan is made of SS 304 with dual slope to facilitate immediate discharge of condensate. Base frame is made of galvanized steel with die cast aluminum joints having lifting holes. Access doors are provided with hinges and locks made of self extinguishing nylon for perfect air tightness. The unit is manufactured as per the customers' requirement.

Options available:

Weatherproof light, limit switch, view glass, filter sections for EU-5, EU-7, in rigid/bag construction

Humidification, pre/re heat package

Heat recovery wheel/heat pipe

Mixing box with fresh/return air dampers

Single/double tier construction

Applications

Double Skin Air Handling Units have many applications in comfort air conditioning for schools, studios, airports, laboratories, multiplexes, offices, institutional buildings and hotels, etc.

Product Profile

In HVAC systems, dampers are used to cut-off air conditioning, heat or cooling to an unused area or room. Dampers are Also used to regulate room temperatures or other environmental parameters. These are available in various types of construction: GI opposed blade / aluminum extruded damper, brass bushing / gear operated, parallel blade, GI face and bypass damper, fire damper with SS spring and copper fusible link (melting threshold 100-120°C), actuator damper, etc. Chauhan Group has a fully integrated, state-of-the-art manufacturing facility, specializing in the production of HVAC&R components and systems.

Product Profile

JYOTI ELECTRO TECH has a fully integrated, state-of-the-art manufacturing facility, specialising in the production of HVAC&R components and systems.

Construction:

- Number of rows – 2-10
- Copper tubes with aluminium fins
- Fins spacing between 4-2 FPI
- Thickness of fins – 0.1-0.4 mm
- Diameter of tubes in the coils – ½”, 5/8” and 3/8”OD
- Thickness of tubes – 0.4-0.65 mm
- Headers – copper/galvanised steel/SS
- Casing frame work – SS/GI

Applications

Cooling and heating coils have various applications.

1. For chilled water coil – in case of water cooler installation (chiller)
2. For direct expansion coil (DX) – in case of generator with direct expansion of the cooling medium
3. For hot water coil – used in the event of access to water heating installation (local boiler or district heating system) heating the supply air to the room.

Product Profile

Double deflection grilles are most desirable for supply air in side-wall locations. With aerofoil shape louvers in both

horizontal and vertical directions, minor air motion problems can be quickly corrected by adjusting the vanes. An opposed blade damper installed behind the grille is used for adjusting air volumes during air balancing. A choice of horizontal louvers in front and vertical at the back or vice versa is available. Features include aluminum and CRCA construction, individually adjustable blades, with and without VCD. Chauhan Group has a fully integrated, state-of-the-art manufacturing facility, specializing in the production of HVAC&R components and systems

Double Skin Air Handling Unit

We are engaged in providing Double Skin Air Handling Unit, which is catering to The requirements of Pharmaceutical units, clean room, shopping mall, hospital, commercial center and industrial ventilation

CAPACITY :1100-34000 cfm. SALIENT FEATURES

Extruded Aluminium frame work, 25/43 mm Thick double skin (0.6/0.6) CFC free puf injected panel High efficacies CHW. HW, DWHeat transfer coils & a wide range of filters selected from EU2 to EU13 class



Double Skin Horizontal Floor Mounted Air Handling Units



These units are ideal for handling high air quantities. The modular design sections offer both sturdy construction and flexible combination of components such as coils and filters to suit specific applications. As all major components are aligned to the base tray, it is maintenance and service friendly.

Features

Quality Range of 37 models with an air flow range of 3250 to 60500 CMH AMCA Certified Fans with higher efficiency and low noise levels View Port helps to monitor fan and motor Status and Marine Lamp provides easy visibility Drain pan is made of powder coated

galvanized sheet steel and insulated with a closed cell electrometric insulation to avoid surface condensation Filter sizes standardized to the internationally recognized standard of 4 sizes . Optional features for Casing, Cooling Coils, Fans, Mixing Box, Damper and Filters can also be provided.

Features

These units are designed to occupy lesser floor space than the horizontal units and are preferred when floor space is a constraint

Available in 10 models with airflow ranging from 3500 CMH to 30280 CMH. Predominantly used for applications where multiple units are required to air-condition a floor

