

e₃ Edge next GEN the most energy efficient, super silent AHU for the cleanest air

The E3 Edge series of AHU, by intent is made with compact space footprint. Consumes low energy, works quietly to deliver cleanest of the air. Specially designed thermo-acoustic panels ensure optimum thermal properties and lower noise levels. The E3 Edge series of AHU comes with super advance features and accessories.

The image shows a large, industrial-grade Air Handling Unit (AHU) with a compact footprint. It features a white metal casing with a grey base. The front panel is divided into several sections: a large section with blue filter panels, a control panel with various indicators and switches, and a section with a multi-slope drain pan. The unit is labeled with the 'e3' logo and 'edgetech ... Creating a healthy world' branding. The control panel includes a digital display and several buttons. The filter panels are arranged in a grid pattern. The unit is shown from a three-quarter perspective, highlighting its depth and compact design.

- Unique design thermal brake profile and panel to meet the International standard for leakage class.
- Corrosion resistant aluminum profile with special designed coving.
- Rigid frame work design inherent to the casing strength and stability.
- Specially designed thermo-acoustic panel for optimum thermal properties and lower noise levels.
 - Unit certified as per EN1886.
- Highly efficient MERV 8 filters along with electronic filters to maintain the PM 2.5 air index level.
- Low pressure drops of filters resulting in lower power consumption hence substantial power savings.
- On demand the units can be custom-made with UVGI or PHIO⁺ specifications or on identical lines.
- **Unit capacity: Up to 30,000 CFM.**
- Additional controls and sensors can be installed in the unit to provide status of outside/supply air in terms of PM 2.5, PM 10, CO₂ and TVOCs, thus giving the status of air quality before and after the filtration.
- Overall packaged with grand features like inbuilt electrical control panel with intelligent controls and sensors for automation, leading to optimum efficiency and major energy savings.
- BMS ready connectivity with option of manual operation as a standard feature.
- Highly efficient and reliable EC fans: Next Gen direct-driven fan having electronically commutated (EC) motor with an integrated frequency converter for step-less load control, having impeller with low aerodynamic losses. Result in silent operation and high efficiency.
 - Multiple EC fans provided in compact casings, covers the risk of shutdown due to any breakdown of fan or motor.
- AHRI certified Heat transfer coil with factory fitted valve package for plug and play operation.
- Uniquely designed, multi slope drain pan to maintain hygienic conditions.