

NEXT GENERATION SERIES OF AIR HANDLING SOLUTIONS



next|**GEN**

AIR HANDLING UNIT FAN WALL ARREY

Capacity Range: Up to 80000 CFM

The product is designed to consume low fan energy, have very quiet operation, have a compact space footprint while being easy to handle and maintain and provide upto 100% redundancy.

Multiple direct driven centrifugal plug fans are installed across the air stream of the AHU as a fan wall in combination of rows and columns, in contrast to a single fan motor arrangement in traditional AHUs. The AHU can be with AC motors with VFD or with EC fans and motors.

Comparatively smaller footprint of MULTIPLE FAN AHU due to optimal utilization of fan section reaps added benefit of smaller AHU rooms. A typical multiple fan AHU foot print dimension can be reduced upto 30%

Apart from the benefits of energy savings, high performance low noise levels, the multiple fan technology provides additional benefits to all stakeholders in the building process:

- Architects can devote less space to mechanical equipments.
- Owners can have more leasable space to generate revenue.

This multiple fan motor results in lower power consumption in comparison to the power consumed by traditional single fan motor based AHU for equivalent airflow at same static pressure.

Components in Multiple Fan unit system are typically significantly smaller, light weight and easier to access than the same components of conventional system.

Multiple Fan systems are ideally suitable for critical applications where AHU fan failure is highly undesirable or for applications which have variable load requirements.

Multiple Fan system also provides up to 100% redundancy and eliminates the need of stand by unit.