



## FANWALL TECHNOLOGY® *Advantage*

— Benefits For Everyone



### Owner

- Lower total cost of ownership
  - Redundant fans maximize uptime
  - Reduced energy usage lowers life-cycle cost
  - Direct drive—no belt or bearing maintenance
  - Small motors and fan wheels mean easier maintenance
  - Common replacement parts
  - Uniform air tunnel means longer filter life
- Reduced unit footprint means more useable building space for other purposes
- Lower sound levels
- Retrofit applications—less expensive to install and improved system efficiency
  - Easy to retrofit old fans in hard-to-reach places
  - FANWALL® can fit through most hallways, doorways, or elevators



### Architect

- Reduced unit footprint, as much as 33%, means more useable building space for other needs
- Reduced weight may reduce structural costs
- Wider range of air-handler aspect ratios enhances building design flexibility
- Reduced sound levels may eliminate expensive attenuation treatments or devices
- Innovative technology and energy savings can aid in LEED® building designs
- More usable space for the project



### Engineer

- Reduced footprint, as much as 33%—more access for other mechanical devices or more space for other uses
- Reduced weight may decrease structural requirements and improve seismic ratings
- Wider range of air-handler aspect ratios provides unmatched design flexibility for indoor/outdoor applications
- Unmatched system efficiency and stability for “off peak” design conditions in VAV applications
- Lower sound levels often eliminate energy-robbing attenuation devices
- Lower connected HP means smaller electrical switch gear and smaller standby generator(s)
- Low-profile feature helps in tight spaces and roof lines
- Innovative technology can aid in LEED® building designs



### Contractor

- Fewer sections:
  - Lower crane cost—fewer lifts
  - Decreased labor costs for rigging, assembling, and installing
  - Improved staging logistics with fewer trucks
  - Lower storage costs due to reduced air-handler footprint and less sections
  - No fan-spring isolation required
- Ideal for fan retrofits
  - Expensive cranes or building structural modifications nearly eliminated
  - Maximum 22” wheel size and modular fan cells ease handling requirements
  - Fan cells fit through most hallways, doorways, or service elevators
  - No fan re-balance required
  - Improved system performance and energy savings enhances payback
  - Vaneaxial systems are ideal for FANWALL retrofit



### Construction Manager

- Improved scheduling flexibility with fewer sections to coordinate
- Shorter airside installation schedule
- Reduced structural requirements may reduce construction schedule
- Less electrical switch gear to install and coordinate



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