Air handlers built to your drawing.

Custom air handling units, fan arrays, industrial fans and knockdown replacement units, engineered for one project at a time and run-tested before they ship.

SERIES AH

Custom air handling units

Indoor and outdoor air handlers in any arrangement: stacked, split for rigging, or built around a footprint you already have.

AIRFLOW	**2,000 to 150,000 CFM**
CASING	**2 in. or 4 in. double-wall, thermally broken**
CASING LEAKAGE	**1% or less of design airflow**

SERIES FA

Fan arrays

Several direct-drive plenum fans working as one. Lose a fan and the rest pick up the load, with no belts to replace.

FANS PER ARRAY	**2 to 36**
MOTORS	**EC or PM, direct drive**
REDUNDANCY	**N+1 standard, N+2 available**

SERIES IF

Industrial fans

Centrifugal, mixed-flow and vaneaxial fans for process air, fume exhaust and material handling, in alloys matched to the airstream.

AIRFLOW	**to 250,000 CFM**
PRESSURE	**to 30 in. w.g.**
AIR TEMPERATURE	**to 800 °F**

SERIES KD

Retrofit and knockdown units

Replacements built to your existing curb and connections, or shipped as panels and rebuilt in place when the only way in is a freight elevator.

ACCESS	**Through a 36 in. door**
FOOTPRINT	**Matched to the existing unit**
ASSEMBLY	**Rebuilt and leak-tested on site**

Where the requirements are strict.

Healthcare
100% outdoor air, MERV 14 final filters and ASHRAE 170 pressure relationships, in buildings that never close. Typical build: ashrae 170 air change and pressure requirements; n+1 fan arrays so a fan can be serviced without shutting down; energy recovery that keeps exhaust and supply apart.

Laboratories
Once-through air, fume exhaust and tight room pressure control, with large outdoor air loads. Typical build: makeup air units sized for 100% outdoor air; high-plume exhaust fans; coated coils and stainless drain pans.

Data centers
High sensible loads, continuous duty and no single point of failure. Typical build: ec fan arrays with n+1 or n+2 redundancy; large-face chilled water coils at low face velocity; economizer and evaporative options.

Cleanrooms
HEPA filtration, tight humidity control and very high air change rates. Typical build: recirculating units with low-leakage casings; fan arrays with flat static pressure curves; humidity control to ±2% rh.

Pharmaceutical
GMP documentation, cleanable interiors and validation support. Typical build: stainless interiors and sloped drain pans; full turnover packages for iq/oq; witnessed factory testing.

Education
Occupied buildings, tight mechanical rooms and summer shutdown windows. Typical build: knockdown delivery through existing doors; quiet fan arrays for classrooms; phased installation over breaks.

Commercial and office
Rooftop and penthouse units for towers that need better efficiency without new structural steel. Typical build: curb-matched rooftop replacements; fan array conversions of old built-up units; energy recovery for higher outdoor air rates.

Industrial and process
Hot, dusty or corrosive airstreams and process heat. Typical build: radial-wheel process fans; high-temperature bearings and shaft seals; alloy and coated construction.