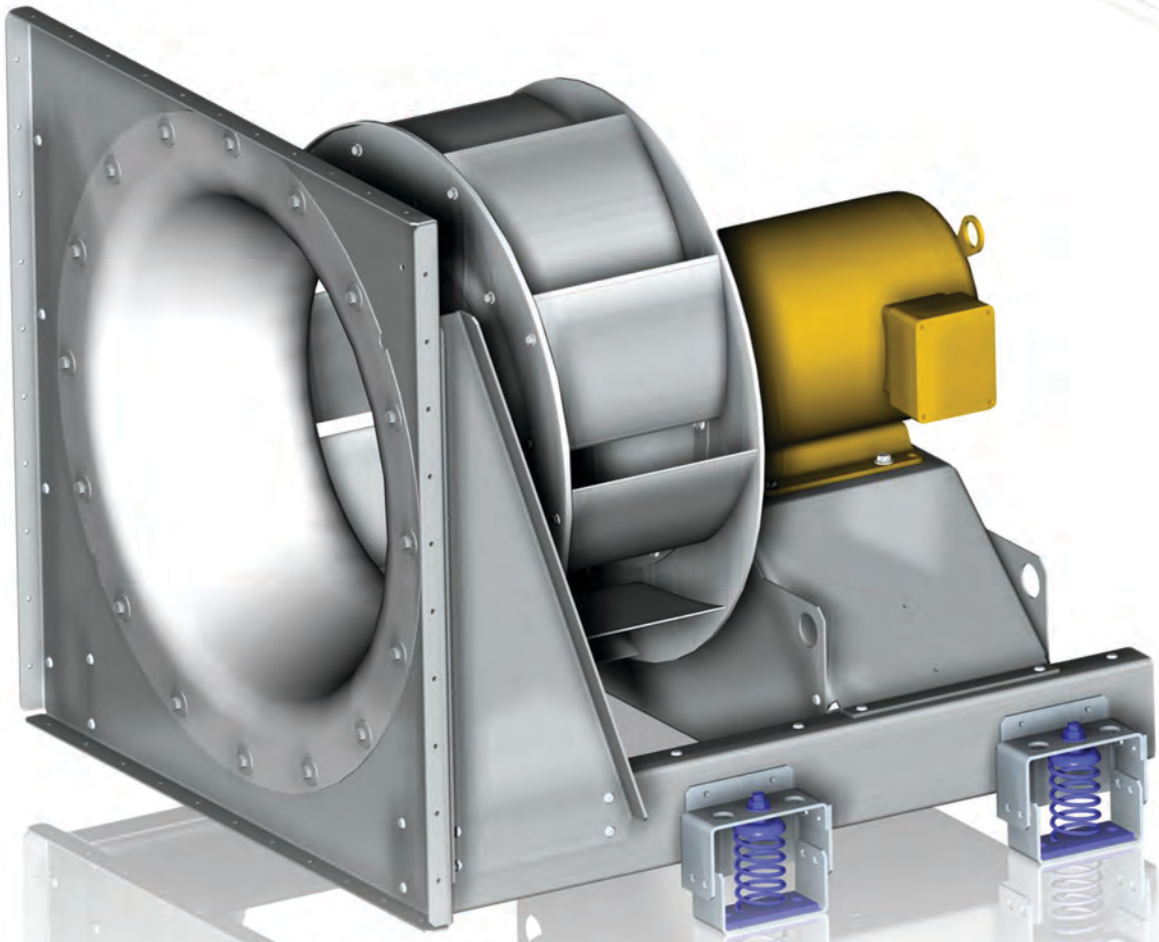
corus

HIGH PERFORMANCE DIRECT DRIVE PLENUM FANS



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AN ENVIRONMENTALLY SUPERIOR ALTERNATIVE TO CONVENTIONAL FANS.

High performance Corus direct drive plenum fans are the environmentally responsible alternative to conventional fans. Not only are they more efficient, but they offer more flexible ducting arrangements.

Corus fans meet new ASHRAE 90.1 and IgCC fan efficiency requirements.

ONLY CORUS DELIVERS

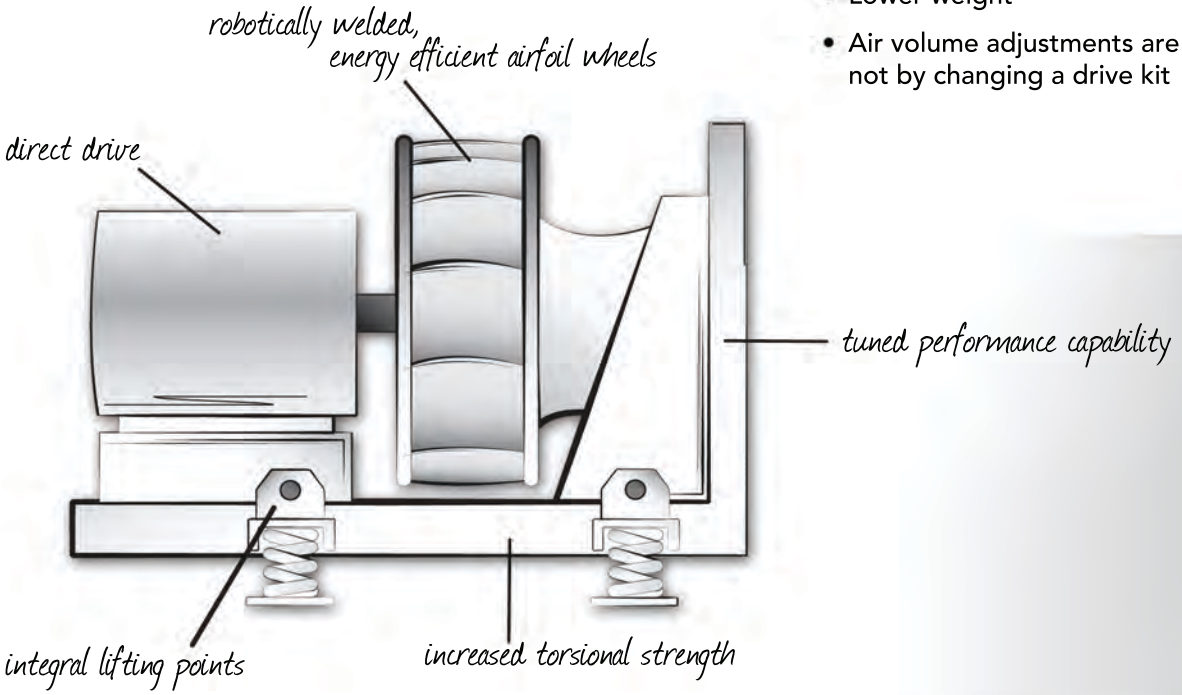
Corus was designed to eliminate resonance conditions in the operating range. Blocking out speeds on VFD's is history.

RANGE

SIZES. 10" - 40"
EFFICIENCY. 74% peak total. FEG 75
FLOW. Up to 55,000 cfm
PRESSURE. Up to 10 in-wg static
(fan dimensions can be found in element)

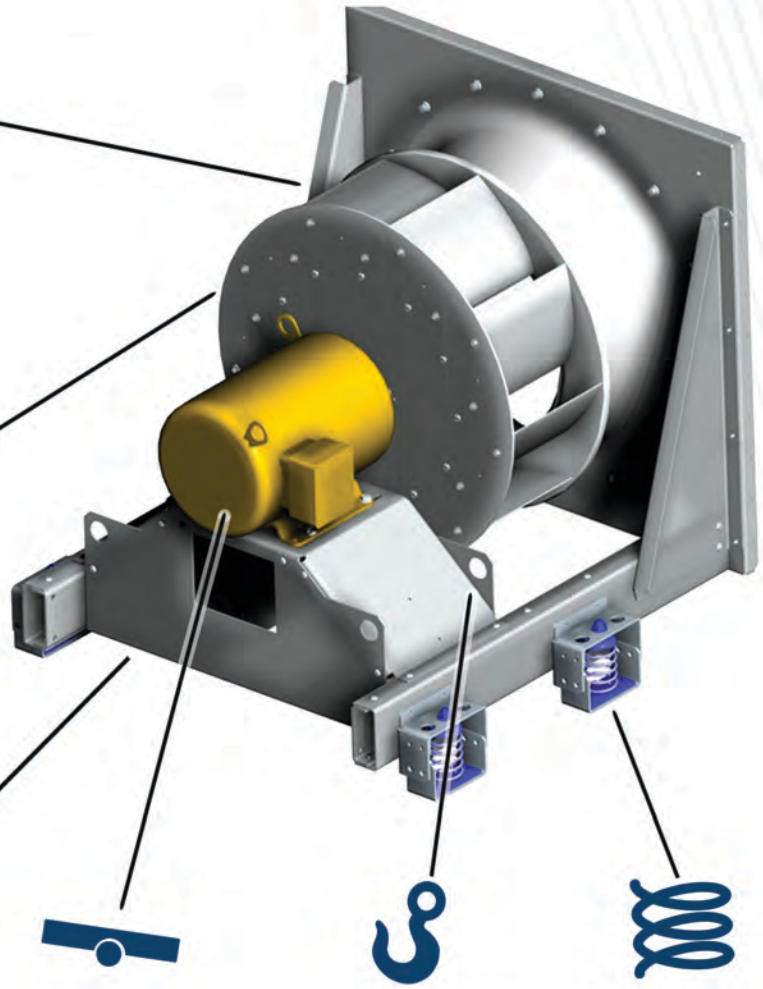
APPLIED BENEFITS

- Budget friendly
- Space saver - no housings, transitions, or diffusers
- Installed performance will more closely match standardized testing than housed fans
- Improved OEM design flexibility
- Reduced discharge sounds levels
- Lower weight
- Air volume adjustments are made by the VFD, not by changing a drive kit



AIR MOVING'S MOST RELIABLE PLENUM FANS.

FEATURES



Aluminum, robotically welded airfoil wheels available in 9-blade, 12-blade and Qualitone configurations.

Available in multiple wheel widths for tuned performance.

Exclusive Qualitone technology eliminates tonal annoyance.

Elimiates the need for additional acoustic attenuation materials.

Galvanized steel base assembled with high strength industrial fasteners.

Box beam design resists torsional flexing.

Industry's tightest vibration performance.

Corus fan assembly balanced to G6.3. iCorus fans balanced to AMCA 204 BV-3.

Integral lifting points for ease of installation.

Corus fans are designed for installation on an isolated OEM base.

iCorus fans include isolators for mounting directly to OEM cabinet.

Low lifetime maintenance: Less time, lower cost.

No belts, bearings or sheaves and fewer filter replacements.

Fans designed to run reliably through the entire speed range.

No resonant conditions in the operating range.

Simplified application of multiple fans.

Multi-fan arrangements promote reduced airway length and more uniform coil coverage.

OPTIONS

- Flow measuring and monitoring devices
- Isolation: rubber in shear open spring and seismic spring
- NEMA Premium efficiency, permanent magnet and special motors
- Precision balance grades
- Low-loss inlet dampers
- Shaft grounding
- Custom coatings
- Guards

APPLICATIONS

High Performance VAV Systems
Air Handlers
Rooftop Units
General Supply & Return Exhaust

Telecom/Data Centers/Clean Rooms
Healthcare/Hospitals
Schools
Other Commercial Buildings

INDUSTRY LEADING MANUFACTURING

- Each Corus wheel is robotically welded to ensure the best quality and consistency.
- Our manufacturing facilities are equipped with the latest in fabrication equipment.
- Lau uses state of the art balancing systems which allow us to offer precision balance grades.
- Lau manufacturing is a foundation of our production philosophies resulting in efficiency in every product.
- Lau is certified under the ISO9001/2008 standard of performance and we pride ourselves on continuous measureable improvements and accountability.
- Corus fans are made in multiple factories which ensures optimized logistics to save you cost on freight.

FAN ARRAY

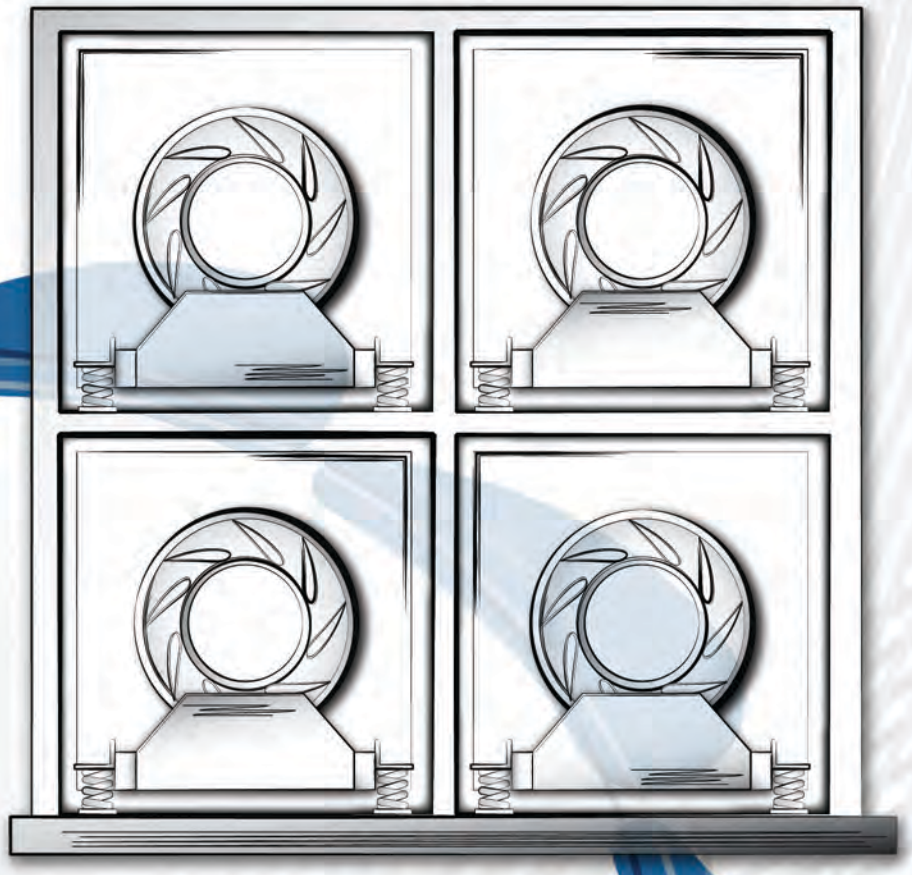
A fan array combines the performance of several fans operating in parallel controlled by one or more VFD's. This offers a more compact footprint in the air handler and better overall acoustic performance.

Ideal for retrofit applications!

The solution of choice for **MISSION CRITICAL** facilities.

FAN ARRAY BENEFITS

- Compact footprint results in better space utilization
- Redundancy for critical applications
- More uniform coil coverage
- Easier to attenuate noise
- Modular assembly makes installation easy
- Units easily accessible for ease of service



* Contact your Lau direct Sales Engineer regarding a **turnkey fan array solution** from Lau.

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