

ICA - INLINE CENTRIFUGAL AIRFOIL FANS

The type ICA is an inline fan with a centrifugal wheel. ICA fans combine the efficiency of a centrifugal airfoil wheel with the compactness of a tubular fan housing; saving space while reducing horsepower consumption and operating costs.



ICA fans incorporate continuously welded heavy gauge housings, smooth venturi spun inlet cones and highly efficient wheels with airfoil blades & aerodynamic spun shrouds. Motor supports are comprised of rigid formed steel plate with adjustable motor mounting plate for belt tensioning. Rigidly constructed bearing and shaft tube support is provided with a removable end plate for bearing, shaft and sheave access.

ICA fans are non-overloading and suited for a wide range of clean air industrial applications which include: VENTILATION SUPPLY & RETURN AIR, EXHAUST AIR, HEATING, VENTILATING & COOLING.

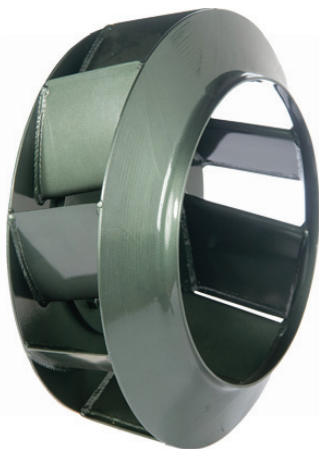


The design and construction of the ICA fan family allows for highly efficient air movement with higher pressure capability than traditional axial & propeller inline fans.

The ICA fan is also available in a vertical stack or roof mount with and without curb cap, wind band and butterfly back draft outlet damper.

Fan above is arrangement 4 direct drive with wheel mounted directly to motor shaft. Motor conduit box is on opposite side (not shown).

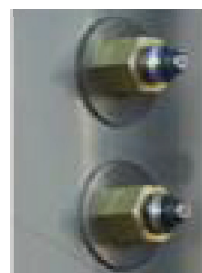
A compact, efficient and quiet inline fan for clean air applications that can be inserted without complicated elbows or square to round duct transitions.



ICA wheels incorporate a back plate with a smaller diameter than the front shroud coupled with tapered blades. This feature allows for smoother airflow in the fan housing as air coming off the blade tips is pre-angled in the direction of flow eliminating a 90° airflow turn at the blade tip required by other units on the market. Benefits of this feature include elimination of turbulence, improved efficiency, and lower noise levels than competitors' designs.



High temperature applications up to 850°F incorporate an insulated bearing tube with auxiliary cooling blower (shown lower right side of fan). Also shown here with vented motor weather cover.



All units come standard with extended lube lines for easy access to grease zerks.

Versatile mounting in horizontal, vertical and angular positions utilizing mounting brackets, feet and collars allow for simple trouble-free installations. ICA fans are available in AMCA arrangements 9 with adjustable motor shelf (below left), arrangement 9F with unitary base for larger horsepower applications (below right) and arrangement 4 direct drive for specific speed applications.

