

XRT - RADIAL TIP FANS

IAP's type XRT is a rugged multi-purpose centrifugal fan. The XRT fills the gap between Backward Inclined / Airfoil style and Industrial Exhauster fans. Higher pressure and material handling capability than Backward Inclined / Airfoil with higher efficiency and larger volume delivery over traditional Industrial Exhausters.



XRT - Radial Tip fans have continuously welded heavy gauge housings, highly efficient spun inlet cones & wheel shrouds, plate steel pedestals and structural steel bases. All fan housings are pie split as standard to facilitate ease of maintenance for wheel and shaft removal without disturbing duct work. Evase outlets are available to enhance static pressure capability. XRT fans are available in single (SWSI) and double (DWDI) width and inlet.

Type XRT centrifugal fans are suited for corrosive applications and elevated temperatures and well matched for a wide range of industrial applications which include: POLLUTION CONTROL, THERMAL OXIDATION, DRYING SYSTEMS, FLUID BED AERATION, DUST COLLECTION, PROCESS EXHAUST & RECOVERY AIR, INDUCED DRAFT BOILERS AND KILN EXHAUST.



Wheel shown left with spun wheel shroud and right with spun inlet cone. Both features create a smooth airflow entry pattern that improves efficiency while reducing noise levels.



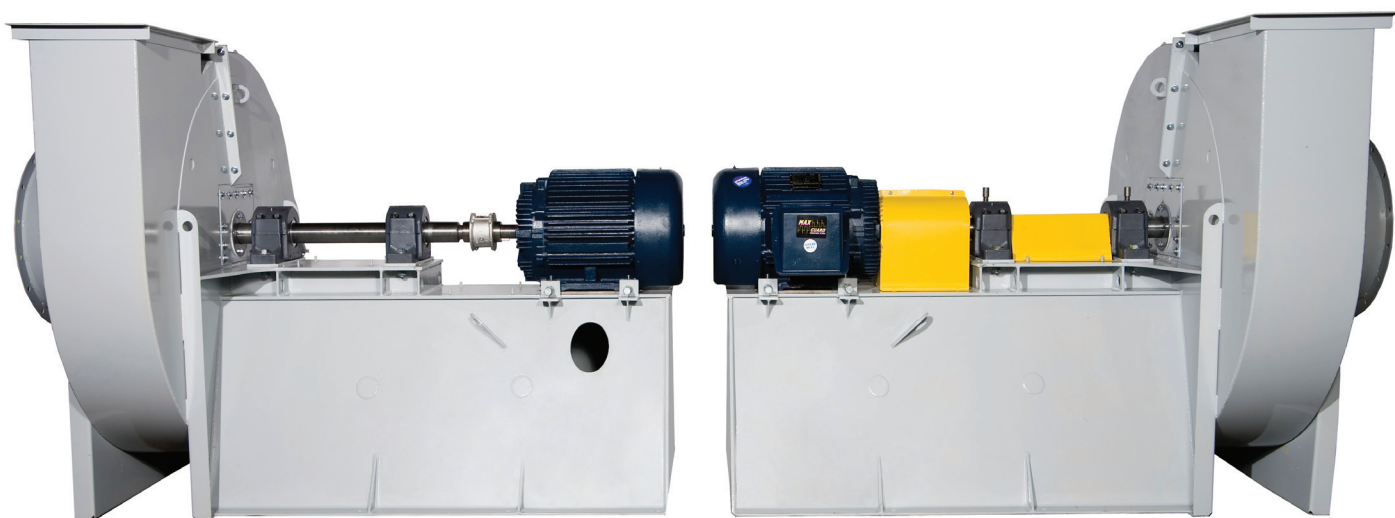
XRT Radial Tip Fans are designed for efficient air movement of clean and particulate laden airstreams. XRT fans run slower than their Backward Inclined and Airfoil counterparts for a given static pressure rating. Specifically designed for heavy duty industrial applications in both direct and belt drive.



XRT wheels utilize heavy gage radial tip self cleaning blades. Wheel design produces moderate to high static pressures at typical industrial process flow rates. Well suited for wear liners and easily constructed of special alloys. Static efficiencies in excess of 75%. Catalog Static Pressures to 40 in. wg. with custom designs up to 50 in. wg.



Standard catalog XRT arrangement 1 fan (above left & right) with standard pie split housing, access door & vented shaft guard. Outlet evases (above center) available for static pressure regain and improved efficiency.



Mirror image arrangement 8 fans before and after coupling / shaft guard attachment and bearing sensor mounting.