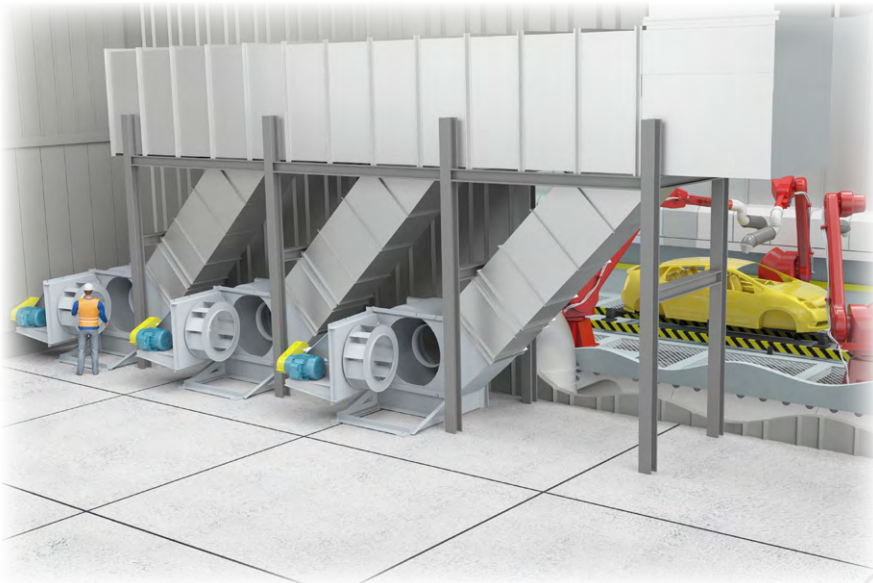


EASY ACCESS FANS

Swingout & Clamshell Construction

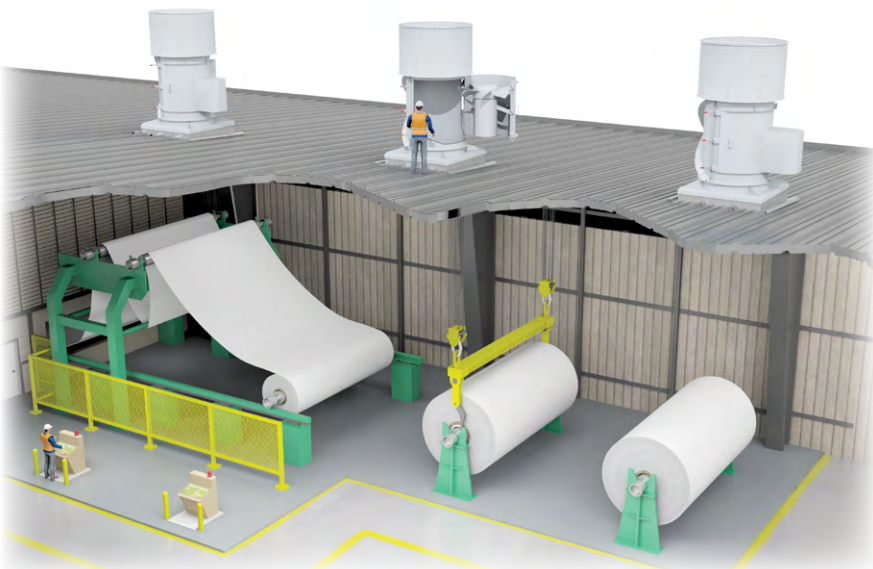




Automotive Paintbooth with Swingouts

Common Applications

- Paint Finishing Systems
- Pulp & Paper Production
- Heat Recovery Steam Generators
- Potash Production
- Slurry Prep Facilities
- Steel & Aluminum Foundries



Paper Mill with Axial Swingouts

Swingout Fans

Swingout fans by Aerovent are the best choice when frequent cleaning, without removal of ductwork, is necessary. Swingout construction is also ideal for systems when short down times are essential. The design provides full access to the wheel and inner casing. The entire wheel/shaft/bearing assembly is mounted on a large swingout door providing easy access to all components outside of the airstream. Since the inlet cone pivots with the door, fan performance is preserved. Aerovent swingout fans can handle the toughest exhaust applications and are available in axial, tubular centrifugal, mixed flow and scroll type centrifugal fans. Swingout construction is available for vertical mounting only.

Swingout Configurations

Centrifugal: Arrangements 4S, 9ST and 9SS
 Axial and Inline Centrifugal: Arrangements 4 and 9

Clamshell Fans

Clamshell fans by Aerovent offer many of the advantages of swingout fans at a reduced cost. One or two clamshell style doors swing open to provide accessibility to the internal components of the fan for maintenance or cleaning without removal of ductwork. Heavy-duty hinges, positive locking latches and full gasketing provide a complete seal when doors are closed. An access door provides access to the bearings. For the double door configuration, one of the two access doors is wide enough for wheel removal. Removable bearing covers are available as standard. Clamshell construction is available for inline centrifugal and axial fans and is typically used in vertical mount applications, due to the weight of the doors.

Clamshell Configurations

Axial and Inline Centrifugal: Arrangements 4 and 9

Benefits of Easy Access Fans

- Reduced Down Time
- Easy Maintenance
- Fast Cleaning
- Quick Inspection
- Less Labor
- Accelerated Repairs

Centrifugal Fans

Backward inclined and airfoil fans are available with swingouts in sizes 182 through 660 in Class I, II and III construction. The inlet funnel is removable without disturbing the ductwork. Refer to Catalog 720 for SWSI CB/CBA Backward Inclined Airfoil Centrifugal Fans.

Axial/Inline Centrifugal Fans

Tubeaxial, vaneaxial and adjustable pitch vaneaxial swingout fans are available in sizes 18 through 54. Refer to Catalogs 414 and 157 for Tubeaxial Fans, Catalog 446 for Vaneaxial Fans and Catalog 476 for Adjustable Pitch Vaneaxial Fans.

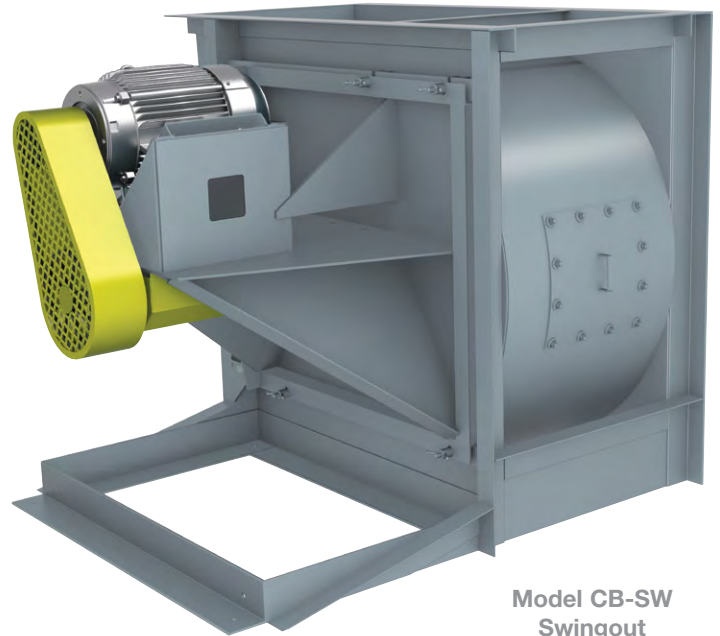
Model AMX Mixed Flow Fan and Models CBD/CDD Centaxial Tubular Centrifugal Fan combine the benefits of axial flow and centrifugal flow fans. Swingout construction is available for vertical mounting only. Available on sizes 182 to 600. Refer to Catalog 330 for AMX Mixed Flow Fans and Catalog 337 CBD/CDD Centaxial Tubular Centrifugal Fans.

Models Available with Swingout Construction

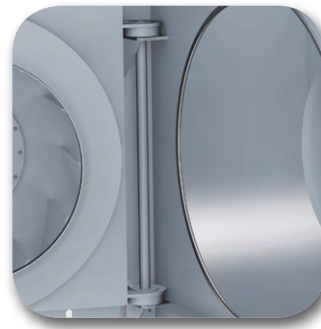
- ATABD / ATA
- CBA-SW
- CB-SW
- AMX / AMXR / AMXSH
- CBD / CDD
- PTABD / PTA
- TSBD
- VJBD / VJ
- VPBD / VP
- VSBD
- TABD / TA

Construction Features

- Heavy-duty flanged ball bearing hinge system provides door support without the need for a track.
- 200,000 hour L-50 average life bearings are standard.
- Housing is continuously welded, heavy-gauge construction.
- Motor slide base standard on scroll swingout fans.
- Extra heavy T-handles to lock doors for a tight seal.
- Centrifugal Arrangement 9ST is available with a RH or LH door.
- Available as an optional construction, the swingout wheel design allows for the wheel to pivot out of the fan housing for simple cleaning and maintenance. A rod prop is standard with the swingout wheel option to keep the assembly open as well as a lockable hasp.



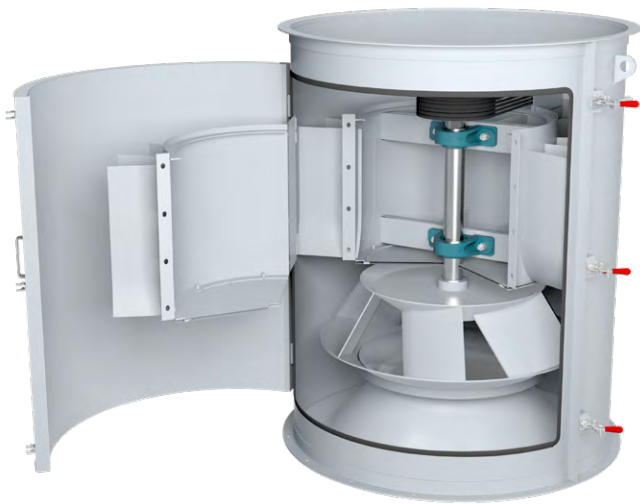
Model CB-SW
Swingout



Heavy-duty ball
bearings provide
door support



Model PTABD Swingout



Model AMX with
Single Door Clamshell

Axial, Inline Centrifugal and Mixed Flow Fans

Tubeaxial, vaneaxial and adjustable pitch vaneaxial clamshell fans are available in sizes 18 through 72. Refer to Catalog 414 for Tubeaxial Fans, Catalog 446 for Vaneaxial Fans and Catalog 476 for Adjustable Pitch Vaneaxial Fans.

Model AMX Mixed Flow Fan combines the benefits of axial flow and centrifugal flow fans. Clamshell construction is available for vertical mounting only. Available on sizes 150 to 730. Refer to Catalog 1060 for AMX Mixed Flow Fans.

Models Available with Clamshell Construction

- ATABD / ATA
- AMX / AMXR / AMXSH
- PTABD / PTA
- TSBD
- VPBD / VP
- VSBD
- VJBD / VJ

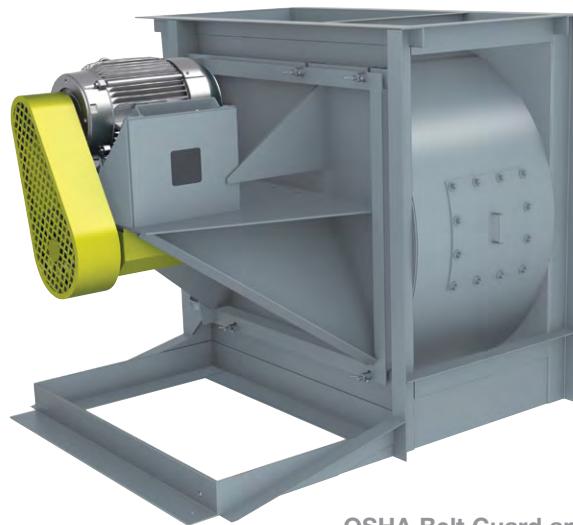
Construction Features

- Heavy-duty flanged ball bearing hinge system provides door support without the need for a track.
- 200,000 hour L-50 average life bearings are standard.
- Housing is continuously welded, heavy-gauge construction.
- Extra heavy T-handles to lock doors for a tight seal.



Model PTABD with
Double Door Clamshell

- 1 Steel, aluminum and stainless steel construction available.
- 2 FRP plastic inlet funnels available when aluminum is not suitable for spark resistant construction.
- 3 All clamshell fans feature removable bearing covers as standard. Removable bearing cover plates are optional on axial swingout fans.
- 4 Special coatings are available for corrosion resistance.
- 5 Quick open and bolted access doors allow for easy inspection. The quick open access door is specifically designed for fans that require frequent inspection.
- 6 OSHA belt guards are available for all swingout and clamshell fans.
- 7 Optional pivot motor base for constant belt tension available on scroll swingout fans.
- 8 Optional two-piece clamshell weather cover available on axial and tubular centrifugal swingout fans.



OSHA Belt Guard and Bolted on Access Door on Model CB-SW Swingout



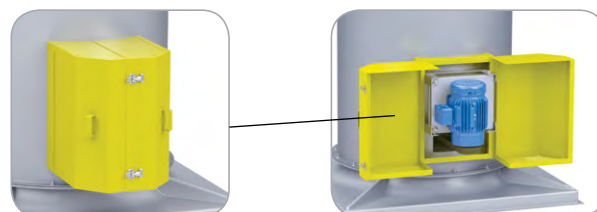
Hinged Bearing Cover Plate on Model AMX Clamshell



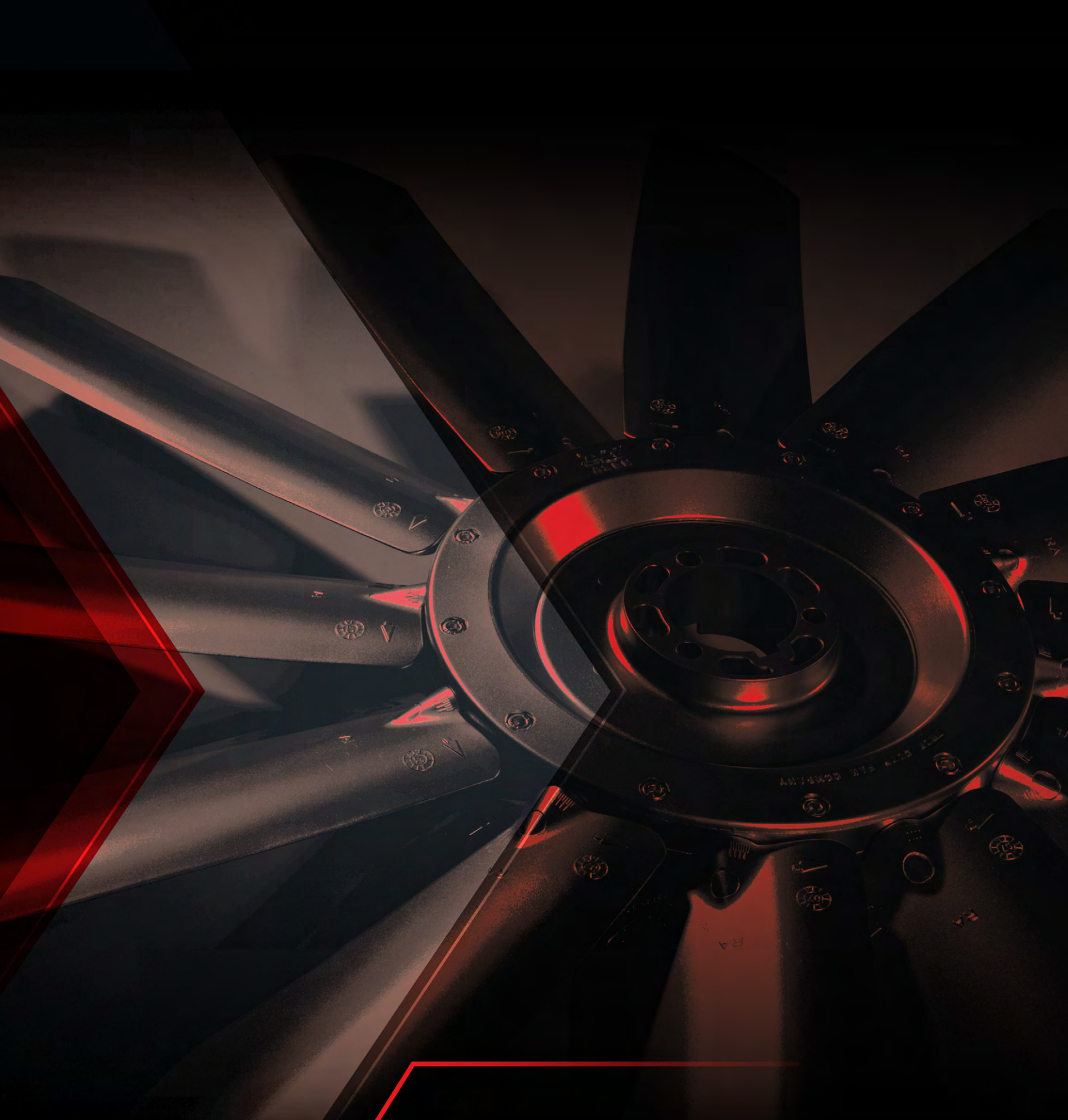
Centrifugal Swingout Arrangement 9SS



Pivot motor base for Arrg. 9SS



Clamshell Motor Covers Provide Direct Access to a Fan's Motor Without Having to Remove the Motor Cover



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