Axial Fans and Centrifugal Blowers
For industrial, process, marine and HVAC applications
Howden excels in configuring and customizing our products to meet a customer’s specific application, whether a single unit or OEM serial production.

Howden covers the market segments of industrial, HVAC and Navy/DOD, marine and off-shore. We offer a global product catalog, ensuring the right product fit for your application.

Howden is a truly global company, with an established presence in more than 26 countries across every continent. Our network of local support services enables us to respond urgently to customer queries and maintenance requirements, and we understand the importance of local circumstances, from environmental legislation to energy costs.

Every product we deliver is backed by an unequivocal lifetime commitment to spare parts and product support. Replacement parts are made using the original production drawings, so that compatibility and quality are guaranteed. We also offer a full upgrade and enhancement program that allows customers to take advantage of new developments, or adapt existing equipment to changed conditions.

Roving Around You™
# Pressure and utility blowers

**AF cast aluminum pressure blowers**
- Volumes to 3,800 CFM
- Pressures to 20” WG
- Available in direct driven and belt driven configurations
- Wheel types: Backward curved, forward curved and radial blade
- Corrosion and spark resistant aluminum wheels
- Light weight and rugged split cast aluminum field rotatable housings. Available with fabricated steel wheels and housing as option
- Available in six basic fan sizes
- Customized options available

**Turbo pressure blowers**
- Volumes to 9,200 CFM
- Pressures to 86” WG
- Available in direct driven and belt driven configurations
- Wheel types: Backward curved and radial blade
- Continuously welded, heavy gauge housings
- Available in eight basic fan sizes
- Customized options available

**RB pressure blowers**
- Volumes to 12,000 CFM
- Pressures to 110” WG
- Available in direct driven and belt driven configurations
- Wheel type: Radial blade
- Continuously welded, heavy gauge housings
- Available in twenty-five basic fan sizes
- Customized options available

**SMB/SMD forward curved utility blowers**
- Volumes to 4,800 CFM
- Pressures to 3” WG
- Available in belt driven and direct driven configurations
- Wheel type: Forward curved
- Continuously welded, field rotatable housings
- Packaged utility set
- Available in six basic fan sizes
- Customized options available

**SC forward curved volume blowers**
- Volumes to 1,400 CFM
- Pressures to 4” WG
- Available in belt driven and direct driven configurations
- Wheel type: Forward curved
- Continuously welded, field rotatable housings
- Available in four basic fan sizes
- Customized options available

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**High flow:**
- Up to 12,000 CFM

**High pressure:**
- Up to 110” water gauge

Clean air, particulate and material handling applications
Backward-inclined fans

High flow: Up to 100,000 CFM
High temperature: Up to 1000°F
SWSI and DWDI configurations available

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**BCA, BCS backward-inclined fans, single width**

- Volumes to 100,000 CFM
- Pressures to 25" WG
- AMCA certified for air and sound performance
- Available in belt driven and direct driven configurations
- Wheel types: Backward curved and airfoil blade
- Continuously welded, heavy gauge, field rotatable housings (Rotatable on fan sizes 122 thru 330 only)
- Available in eighteen basic fan sizes
- Customized options available

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**QBCA, QBCS backward-inclined fans, square housed**

- Volumes to 43,000 CFM
- Pressures to 17" WG
- AMCA certified for air and sound performance
- Available in belt driven & direct driven configurations
- Wheel types: Backward curved & airfoil blade
- Compact continuously welded, heavy gauge, field rotatable square housings (Rotatable to four discharge positions)
- Available in fourteen basic fan sizes
- Customized options available

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**PBCA, PBCS backward-inclined plug fans**

- Volumes to 90,000 CFM
- Pressures to 12" WG
- Available in belt driven configuration only
- Wheel types: Backward curved & airfoil blade
- Continuously welded insulated plug for high or low temperature applications
- Available with or without housing, inlet venturi and venturi supports
- Available in sixteen basic fan sizes and three standard plug depths
- Customized options available

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**DBCA, DBCS backward-inclined fans, double width**

- Volumes to 190,000 CFM
- Pressures to 20" WG
- Available in belt driven configuration only
- Wheel types: Backward curved & airfoil blade
- Continuously welded, heavy gauge, field rotatable housings (Rotatable on fan sizes 122 thru 330 only)
- Available in sixteen basic fan sizes
- Also available in DQBCA & DQBCS compact square design
- Customized options available
Industrial exhausters

High flow: Up to 40,000 CFM
High pressure: Up to 23” water gauge

Volumes to 40,000 CFM
Pressures to 23” WG
Available in belt driven and direct driven configurations
Wheel type: Radial blade
Continuously welded, heavy gauge, field rotatable and reversible housings (Rotatable, reversible on fan sizes 7 thru 21 only)
Air handling or severe duty material handling applications
Available in twelve basic fan sizes
Customized options available

PL plenum fans

High flow: Up to 50,000 CFM
High pressure: Up to 10” water gauge

Volumes to 50,000 CFM
Pressures to 10” WG
Available in belt & direct driven configurations
Wheel type: Backward curved
Welded, heavy gauge, frame
Rugged, easily adjustable motor mount
Available in thirteen basic fan sizes
Customized options available
## Axial fans

**High flow:** Up to 425,000 CFM  
**High pressure:** Up to 13” water gauge

### JM aerofoil fans
- **Volumes to 425,000 CFM**  
- **Pressures to 10.5” WG**  
- Available in both tube axial and vane axial designs  
- AMCA certified for air performance on direct drive fans  
- Impeller type: Adjustable pitch (at rest) cast aluminum  
- Compact, low cost, high efficiency, rugged design  
- Available in twenty-one basic fan sizes  
- Smoke exhaust applications  
- Customized options available

### Evasive JMG fans
- **Volumes to 150,000 CFM**  
- **Pressures to 10.5” WG**  
- Available in direct driven configuration only  
- Impeller type: Adjustable pitch (at rest) cast aluminum  
- Saves energy and space by incorporating a built-in outlet cone  
- Available in eleven basic fan sizes  
- Customized options available

### Varofoil controllable pitch fans
- **Volumes to 400,000 CFM**  
- **Pressures to 13” WG**  
- Available in direct driven configuration only  
- Impeller type: Adjustable pitch (at rest) or controllable pitch (in motion) cast aluminum  
- Significant power savings, reliable and low maintenance  
- Available in thirteen basic fan sizes  
- Customized options available

### Mixed flow “plus” fans
- **Volumes to 65,000 CFM**  
- **Pressures to 7” WG**  
- Available in belt driven configuration only  
- Impeller type: Hybrid, welded steel  
- Compact, quiet and efficient  
- Available in eleven basic fan sizes  
- Customized options available
Howden exceeds customer requirements with specially designed and configured products.

Howden offers a wide variety of speciality fans and product spares for legacy brands.

Howden American Fan Company supported brands

<table>
<thead>
<tr>
<th>American Fan Company</th>
<th>Fläkt Woods® GII*</th>
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<th>Joy Fans</th>
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*Fläkt Woods® is a registered trademark of Fläkt Woods AB. Its use does not imply any affiliation with or endorsement by them.
At the heart of your operations

Howden people live to improve our products and services and for over 160 years our world has revolved around our customers. This dedication means our air and gas handling equipment adds maximum value to your operations. We have innovation in our hearts and every day we focus on providing you with the best solutions for your vital operations.