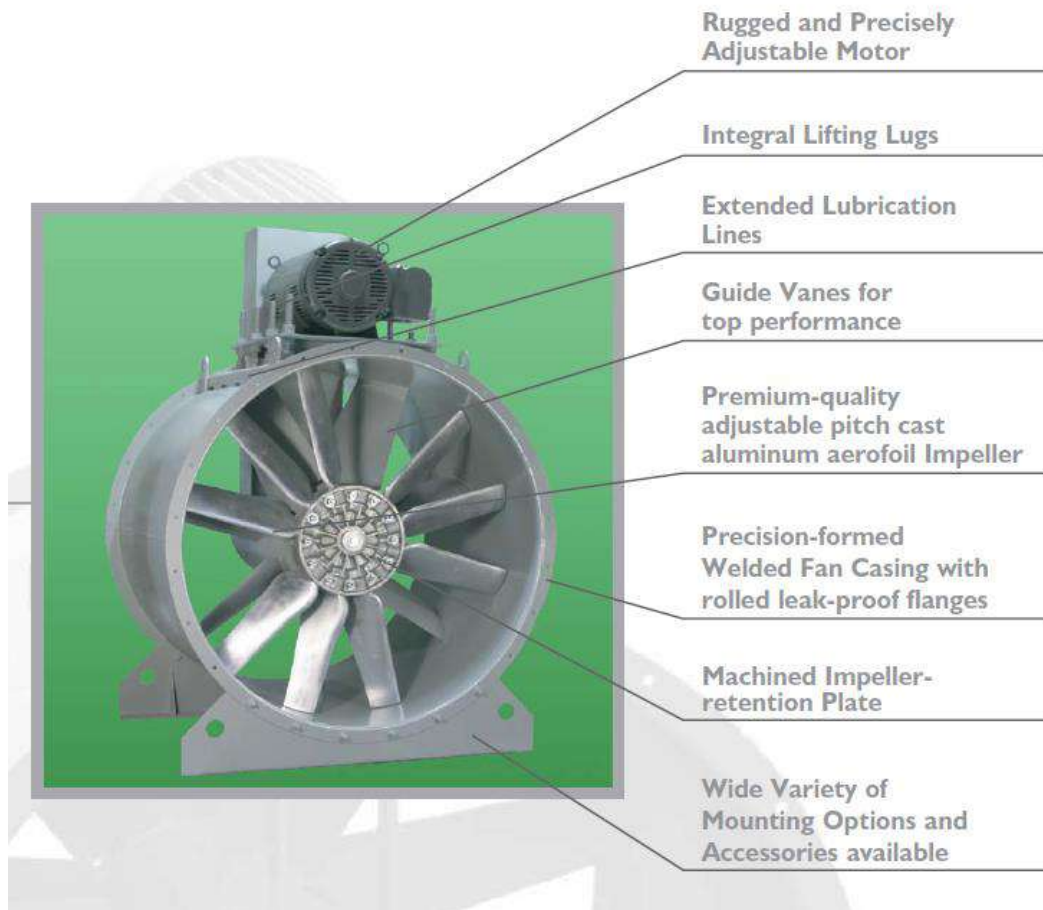


# Belt Driven Vaneaxial Fans

500mm to 1000mm Diameter  
Bulletin JMB 8-06



## JM Belt Driven Vaneaxial Fans



The JM Belt Driven Vaneaxial Fan by Howden American Fan Company is a combination of ultramodern computerised design and production techniques combined with traditional metalworking craftsmanship and rigid quality assurance requirements. This model range features premium quality Adjustable Pitch impellers, 100% radio graphically inspected, matched to performance enhancing downstream guide vanes, all encased in a rugged welded steel housing. Impeller hub is secured to the fan shaft by a machined retention plate.

Bearings and belts are isolated from contaminants and heat in the airstream; yet remain accessible for service and lubrication via extended lubrication lines and externally adjustable motor base. Leak proof

rolled flanges assure system integrity. Shafts and bearings are sized for long and robust service life.

The JM Belt driven fan is a result of the melding of the world famous JM Adjustable Pitch Axial fan with Howden American Fan's belt driven traditional models. The result is a flexible design of considerable capability. Product standardisation and production efficiency have now made it possible to offer this fan very economically in the standard configurations that are shown in this introductory brochure. Additionally, larger units and units with special features are custom-designed with the Belt-drive JM fan as a basis. These are engineered to meet customers' needs. Please contact your Howden American Fan Representative to discuss special application requirements.

## Belt Driven JM Standard Product Range

| Fan size | Impeller hub diameters | Type CJ max frame | Type EJ max frame |
|----------|------------------------|-------------------|-------------------|
| 50       | 20                     | 184T              | 215T              |
| 63       | 25                     | 184T              | 256T              |
| 71       | 25                     | 184T              | 256T              |
| 71       | 31                     | 215T              | 286T              |
| 80       | 25                     | 215T              | 286T              |
| 90       | 31                     | 215T              | 326T              |
| 100      | 40                     | 286T              | 365T              |



### Standard Accessories Available for all these Fans are:

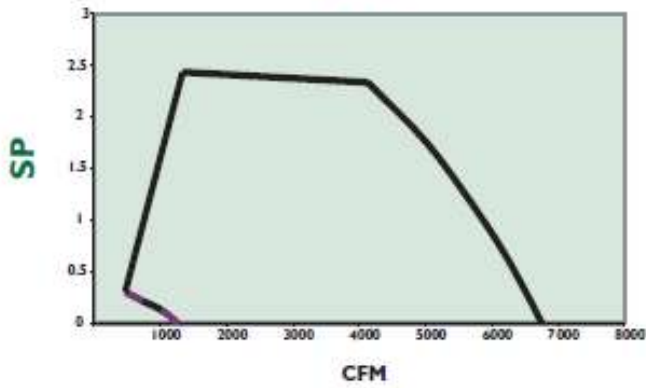
- Horizontal Mounting Feet
- Mounting Feet (Offset)
- Horizontal Suspension Clips
- Vertical Mounting Clips
- Inlet & Outlet Screens
- Inlet Bell
- Inlet & Outlet Flexible Connector/Assemblies
- Companion Flanges
- Back draft Damper

The Belt Driven JM represents your best value in Axial Flow fans. Its flexible performance output combined with a solid mechanical design make the JM Vaneaxial a long-lived part of your next project.

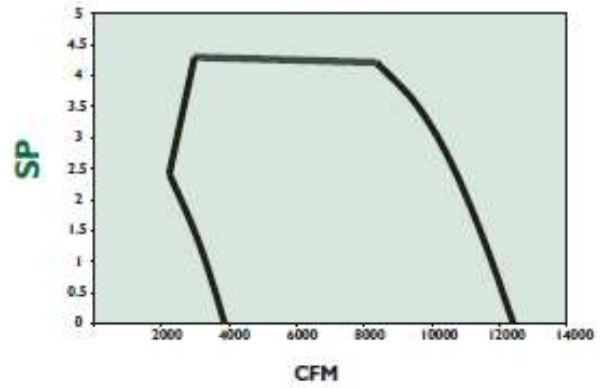
## Selection and Performance Information

Use the charts below to make preliminary fan size selections. Selections may be refined by use of Howden American Fan Company's selection software. Please consult your local representative for further details.

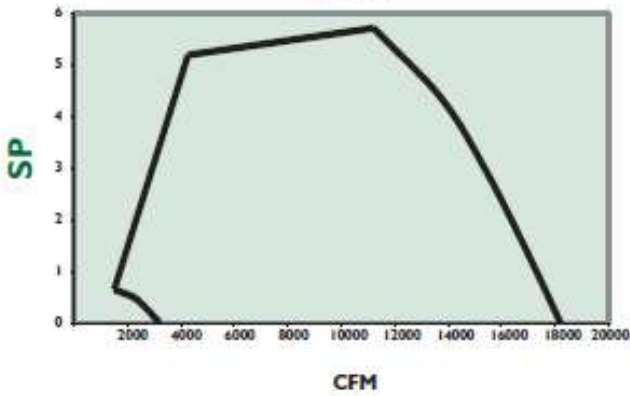
Size 50



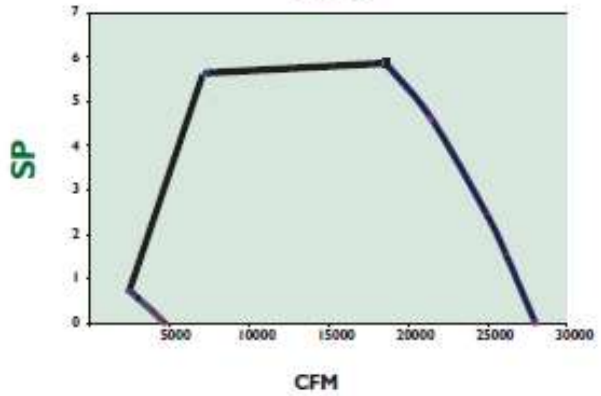
Size 63



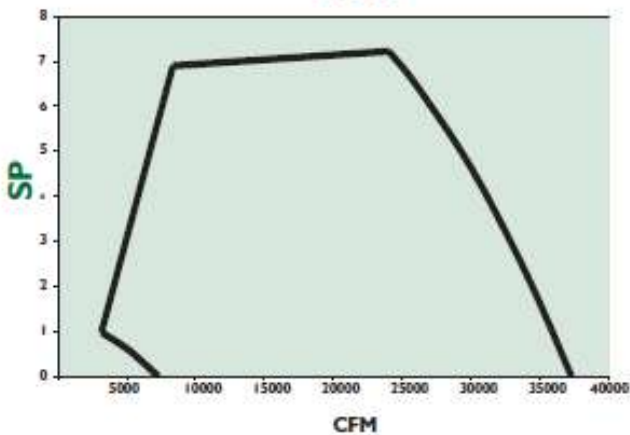
Size 71



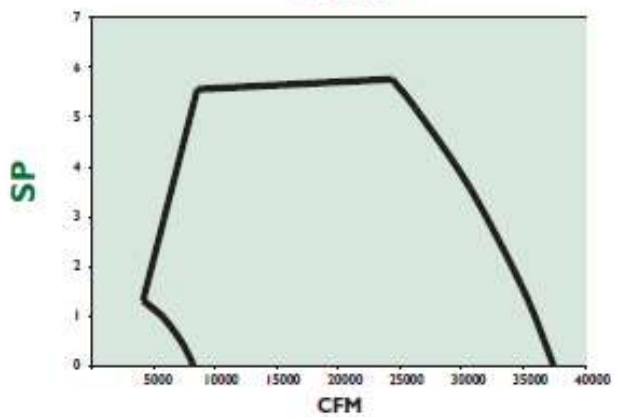
Size 80



Size 90



Size 100



## Industrial Vaneaxial Fan, Model EJ For Industrial Applications (Sizes 50-100)

- Sealed Bearing Well
- Extended Lubrication Lines
- Welded Guide Vanes
- Sealed Belt Tube
- Heavy Duty Industrial Construction
- Heavy Duty Shaft & Bearings
- All Mounting Options Available



## Commercial Vaneaxial Fan, Model CJ For Clean Air Applications (sizes 50-100)

- Extended Lubrication Lines
- Optional Belt Fairing Tube
- Efficient Commercial Construction
- Rugged Shaft and Bearings
- Sealed External Belt Guard
- Horizontal Service Only



|  |   |  |
|--|---|--|
|  <p><b>PRESSURE BLOWER</b><br/>5 Sizes from 1/4 to 30 HP. 350 to 4300 CFM. Pressures to 20" W.G. Cast Aluminum Construction. Request Bulletin AF-0302.</p>  |  <p><b>RADIAL BLADE PRESSURE BLOWER</b><br/>25 Sizes with capacities to 12,000 CFM 2 wheel types. Pressures to 110" W.G. Request Bulletin RB-0502.</p> |  <p><b>TURBO-PRESSURE BLOWER</b><br/>9 Sizes from 400 to 8,000 CFM. 4 wheel types. Pressures to 75" W.G. Request Bulletin VP-0404.</p>  |
|  <p><b>INDUSTRIAL EXHAUSTERS</b><br/>Offered in 13 sizes with wheel diameters from 12" through 71". Standard heavy duty construction. CFM from 400 to 75,000. Static pressure to 45" WG. Six Wheel designs (used to convey dust, smoke, industrial gases, wood shavings saw dust, particulate matter, paper trim segments and other kinds of materials). Request Bulletin E-0601.</p> |   |  <p><b>SQIE INDUSTRIAL EXHAUSTERS</b><br/>Available in standard and heavy duty construction, in wheel diameters from 12" through 45". CFM from 400 to 25,000. Static pressure to 24" W.G. Available in 2 wheel designs and Arrangements 1, 4 and 9. Request Bulletin E-0601.</p> |
|  <p><b>BACKWARDLY INCLINED AIRFOIL</b><br/>18 Sizes from 1,000 to 93,000 CFM. Pressures to 17" W.G. Request Bulletin AS-0951.</p>   |  <p><b>QBCA BACKWARDLY INCLINED AIRFOIL BLOWER</b><br/>14 Sizes from 500 to 42,000 CFM. Pressures to 17" W.G. Request Bulletin AS-0951.</p>          |  <p><b>PLUG FAN</b><br/>14 Sizes from 1,000 to 50,000 CFM. Pressures to 13" W.G. Request Bulletin PBCS-1201.</p>  |
|  <p><b>UTILITY SETS</b><br/>Model SMB-Belt Drive or Direct Drive. 6 Sizes from 100 to 4,800 CFM. Pressures to 3" W.G. Request Bulletin SMB-1101.</p>  |  <p><b>VOLUME BLOWER</b><br/>Model SC-Belt Drive or Direct Drive. 4 Sizes from 100 to 1,400 CFM. Pressures to 4" W.G. Request Bulletin SC-1000.</p>  | <p><b>SPECIALS</b><br/>American Fan Company also modifies standard units and designs and builds specials to meet individual requirements in both the Original Equipment Manufacturer and End User Markets.</p>   |



## 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.



Howden American Fan Company

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