



## Fan Handbook: Selection, Application, and Design

*By Frank Bleier*

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Here is the first comprehensive guide to all aspects of modern fan technology. The book takes you through the design, selection, maintenance, and repair of fans used in a wide range of applications and industries, including airfoils...centrifugal fans...mixed-flow fans...roof ventilators...cross-flow blowers...regenerative blowers... and more. You'll find information on fan codes, standards, and specificationsÑplus complete details on fan testing, physical laws affecting fan performance, ventilation requirements, and symbols and conversion factors.

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## **Editorial Review**

From the Back Cover

The First Comprehensive Guide To All Aspects of Modern Fan Technology Improve your engineering and technical skills with this comprehensive reference on the design, selection, maintenance, and repair of fans used in a wide range of applications and industries. You'll find complete coverage of airfoils. . . axial flow fans. . . centrifugal fans. . . mixed-flow fans. . . roof ventilators. . . cross-flow blowers. . . regenerative blowers. . . and much more. With hundreds of graphs, equation, drawings, charts, and tables, this practical handbook explains fan technology and the basics of fluid mechanics--and provide all the information you need on: Codes, Standards, and specifications relating to the design or selection of specialized fans; Testing of fans according to AMCA; Physical laws affecting the performance of fans; Ventilation requirements for fan technology; Helpful symbols and conversions factors. Whether you're a mechanical engineer, designer, or technician, the Fan Handbook will give you the expertise to choose the right fan for any system, install it for maximum efficiency, and keep it running in peak condition.

About the Author

Frank P. Bleier is a consulting engineer who specializes in the aerodynamic design of air moving equipment. He has done work for more than 130 manufacturers in the United States, Canada, and Europe, and has designed and tested over 800 fans of various types. Mr. Bleier was formerly director of research and development for the Ilg Electric Ventilating Company in Chicago.

## **Users Review**

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**Seth Sutherland:**

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**John Parish:**

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