

# **Air Movement**

## SOURCE BOOK

ACME AIR MOVING SOLUTIONS

[www.acmefan.com](http://www.acmefan.com)



**ACME**



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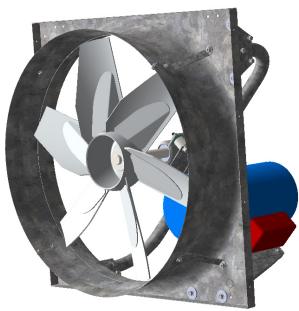
# Belt Drive Propeller Wall Fans

## Models DB

Includes the following Model/Options

DBM	Medium Construction Wall Prop Fan	DBH	Heavy Construction Wall Prop Fan
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Model DB is a belt drive propeller wall fan with capacities up to 77,000 CFM and a max SP of 1.00 in. wg. The DB family of wall props are designed to meet today's requirements for higher air volumes at higher static pressures. Typical applications are in commercial and industrial buildings where either exhaust or supply (-S) air is needed.



Standard Construction Features	DB	DB-S	w/ Wall Box	w/-S Wall Box	w/ Wall Collar	w/-S Wall Collar
Steel Tubing Frames	x	x	x	x	x	x
Streamlined Orifice	x	x	x	x	x	x
Bearing L50 Life of 200,000 Hours	x	x	x	x	x	x
Motor Side Guard			x	x		
Gravity Damper			x			
Motorized Damper				x		x
Wall Box			x	x		
Wall Collar					x	x
UL705	x	x	x	x	x	x

Listed models are available in all sizes and performance ranges. For submittals, detailed air and sound information, available options and accessories, please go to FANTastic!® Commercial www.acmefan.com.

## Construction Features

### Housing

- Frame is galvanized steel tubing for structural strength and minimal air resistance.
- Galvanized steel, streamlined orifice for efficient performance. Sizes 60 and 72 orifice & frame are welded & powder coated
- Fan is designed to operate in any position
- Panel fan can also come with optional wall box or wall collar

### Propeller

- Two distinct propeller designs available. One features a cost effective, galvanized steel construction used for higher efficiency in low to moderate performance ranges up to size 36. The alternative uses an all welded, aluminum construction designed for moderate to high performance ranges up to size 72. It may also be used for situations where a steel impeller is not suitable for the application.
- Cambered airfoil blades precision balanced for smooth, quiet performance.
- Non-overloading design maintains uniform horsepower requirement within catalog range of static pressure.

### Bearings

- Permanently lubricated in an Acme D.S. pillow block housing
- Bearings are resiliently mounted in neoprene rings
- Rated L50 life for 200,000 hours
- 5 year limited warranty on Acme D.S. pillow block bearings
- Size 72 uses heavy duty unitary pillow block bearings with 2 year limited warranty

### Drives

- Cast iron drives sized for 150% of drive horsepower
- Static free, oil and heat resistant belts
- Shafts have a corrosion resistant coating

### Motors

- Continuous duty type with sealed ball bearings for longer life
- Size 30 and above mounted on rails for convenient belt adjustment

## Options/Accessories

- Disconnect Switches
- Safety Guards
- Dampers
- Weather Hood (WHP) for both wall box and wall collar models only



Acme Engineering & Manufacturing Corporation certifies that the models shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



Model DBM is U.L. 705 Listed

Consult your Acme representative for availability.









**Your Representative is**

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