



**ACME ENGINEERING & MANUFACTURING CORP.**

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**FANS**

# BREEZEMASTER HV FAN SERIES

**TUNNEL FAN OR CROSS VENTILATION FANS  
BELT DRIVEN PROPELLER FAN**



Acme's BREEZEMASTER exhaust fan provides a healthier environment for animals, which can lead to improved productivity and profitability.

## FEATURES

- HIGH EFFICIENCY
- 54" OR 72" DIAMETER
- PROVEN ACME HIGH PERFORMANCE DESIGN
- HEAVY ALUMINUM OR GALVANIZED CONSTRUCTION
- 3 PHASE MOTOR WITH BELT DRIVE
- ACME DRIVE ASSEMBLY – 5 YEAR WARRANTY\*
- 2 YEAR LIMITED WARRANTY\*

\*See back for warranty statement.

## CAPABILITIES

Three Phase		CFM vs. Static Pressure (Inches w.g.)							
Model	HP	.00		.05		.10		.15	
		CFM	C/W	CFM	C/W	CFM	C/W	CFM	C/W
BDR54L	2	33243	17.8	32535	17.0	31820	16.2	30440	14.7
DDPV54L	2	33838	18.7	32627	16.9	31057	15.2	29226	13.6
BDR72M	3	53490	25	51000	23	48500	20	45600	19

Performance shown are preliminary pending confirmation from tests performed at Bess Labs, University of Illinois

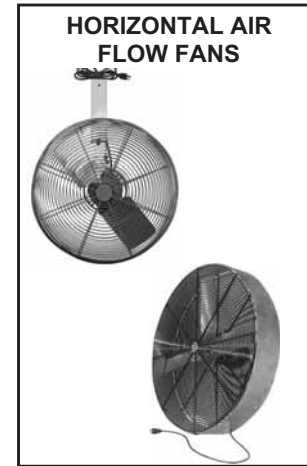
## DESCRIPTION

The **BREEZEMASTER HV** fans are belt drive fans using high efficiency 2 and 3 horse power three phase motors. These fans are a marriage between the standard agricultural belt drive fan and ACME's larger industrial fans.

The wide-cambered propeller provides maximum airflow and high CFM/Watt for low energy costs. The propeller is designed for the best air movement over the wide range of static pressures found in modern tunnel applications.

Permanently lubricated unique captured bearings in strong-formed bearing casing remain in perfect alignment after shipment, installation, and subsequent operation. Bearings are resiliently mounted in neoprene rings, providing extra protection and vibration isolation. The bearing assembly is rated at L<sup>50</sup> life of 200,000 hours and features Acme's 5 year limited warranty.

The motor is totally enclosed with sealed ball bearings and are energy efficient, continuous duty type.



**LIMITED WARRANTY** Acme Engineering and Manufacturing Corporation extends this limited warranty to the original purchaser and warrants that products described herein shall be free from original defects in workmanship and materials for two years from date of shipment (except for Acme's exclusive duplex split pillow block bearings and shaft 5 years from shipment, belts one year from shipment, and polyethylene tubing at 90 days from shipping, AIR40 Heater warranty one year from date of shipment, AIR40 Emitter warranty three years from date of shipment and DDP fan lifetime warranty on its propeller, cone, and housing), provided same have been properly handled, stored, installed, serviced, maintained and operated. Refer to Form MS149 for complete limited warranty terms and conditions. This form is available to anyone at [www.acmefan.com](http://www.acmefan.com). The Company's warranty is in lieu of all other warranties, express or implied, arising by law or otherwise, including without limitation the implied warranties of merchantability and fitness for a particular purpose,

which are hereby expressly disclaimed, claimed and waived.

Acme products are designed and manufactured to provide reliable performance but they are not guaranteed to be 100% free of defects. Even reliable products will experience occasional failures and this possibility should be recognized by the Purchaser and End User. If these products are used in a life support ventilation system where failure could result in loss or injury, the Purchaser and End User should provide adequate back-up ventilation, supplementary natural ventilation or failure alarm system, or acknowledge willingness to accept the risk of such loss or injury.

**WARNING** DO NOT use in HAZARDOUS ENVIRONMENTS where fan's electrical system could provide ignition to combustible or flammable materials unless unit is specifically built for hazardous environments. Comply with all local and national safety codes including the National Electrical Code (NEC)

and National Fire Protection Act (NFPA). Guards must be installed when fan is within reach of personnel or within eight (8) feet (2.5 m) of working level or when deemed advisable for safety.

**DISCLAIMER** The Company has made a diligent effort to illustrate and describe the products in this literature accurately; however, such illustrations and descriptions are for the sole purpose of identification, and do not express or imply a warranty that the products are merchantable, or fit for a particular purpose.

**INDEMNITY** Purchaser acknowledges various warnings by the Company regarding the products and its installation and use. If the Company incurs any claims, lawsuits, settlements, or expenses (including attorney fees) for any loss, injury, death or property damage including, but not limited to, claims arising out of the Purchaser's or any end user's installation or use of the products, the Purchaser shall indemnify and hold the Company harmless.



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