


Wall Exhaust and Supply Fans


Model AER-M

Axial – Efficient & Reliable Propeller Fan

Greenheck's wall axial fans are designed to provide efficient and reliable operation for commercial and industrial process applications. We manufacture our products with state-of-the-art equipment; and undergo quality control testing to ensure a trouble-free start-up and operation. Model AER-M is an excellent choice for exhaust and supply air applications.




AER-M puts the customer first – pairing a competitively priced, high quality and efficient design with simplified maintenance and installation to provide you the best value in the market.



Up to
49,390
cmh

Available in a range of sizes between 500 and 900 mm with capacities up to 49,390 cmh (29,070 cfm) and 610 Pa (2.45 in. wg). Model AER-M combines the industry's largest performance range with infinite pitch variation in our CAPS® software, resulting in optimized selections for your next application.



Designed to efficiently ventilate factories, warehouses, data centers, car parks, distribution centers, and other industrial environments. Fans are for wall-mounted clean air applications.



The housing and propeller design improves efficiency, increases overall structural strength and reduces sound. Model AER-M is suitable for supply and exhaust applications.

Change is
in the
AER™

Performance

Model	Max. Motor kW (HP)	Max. Fan RPM	Max. CMH (CFM)	Max. Static Pressure Pa (in. wg)
Supply and Exhaust				
AER-M500	1.1 (1.5)	1750	12,013 (7,071)	398 (1.60)
AER-M630	2.2 (3)	1750	20,994 (12,357)	510 (2.05)
AER-M800	2.2 (3)	1750	28,991 (17,064)	528 (2.12)
AER-M900	5.5 (7.5)	1750	49,390 (29,070)	610 (2.45)



Model Specifications

Model AER-M direct drive, axial type sidewall fans shall be provided as follows:

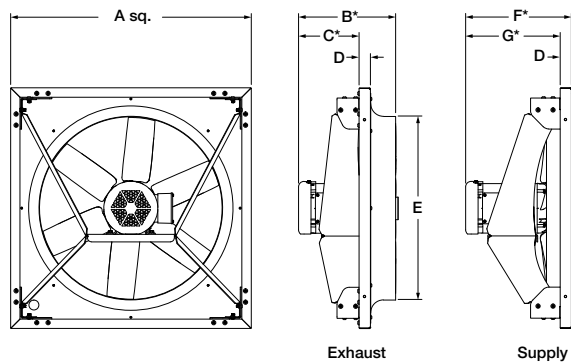
Propellers shall be constructed with cast aluminum blades and hubs. A standard square key and set screw or tapered bushing shall lock the propeller to the motor shaft. All propellers shall be statically and dynamically balanced.

Motors shall be permanently lubricated, heavy duty type, carefully matched to the fan load and furnished at the specified RPM, voltage, phase, and enclosure.

Motor drive frame assemblies and fan panels shall be galvanized steel. Drive frame assemblies shall be formed steel and fan panels shall have prepunched mounting holes, formed flanges, and an insertable drop-in venturi. Drive frames and panels shall be bolted construction.

Fans shall be Model AER-M as manufactured by Greenheck India, Bawal, India.

Dimensions



Fan Size	A	B*		C*		D	E	F*		G*		Damper Size Sq.
		Min.	Max.	Min.	Max.			Min.	Max.	Min.	Max.	
500	661 (26)	221 (8 ⁷ / ₈)	302 (11 ⁵ / ₈)	96 (3 ³ / ₄)	176 (7)	38 (1 ¹ / ₂)	517 (20 ¹ / ₂)	277 (11)	328 (13)	239 (9 ³ / ₄)	290 (11 ³ / ₄)	559 (22)
630	813 (32)	210 (8 ¹ / ₄)	352 (13 ⁵ / ₈)	90 (3 ¹ / ₂)	231 (9)	38 (1 ¹ / ₂)	619 (24 ¹ / ₂)	272 (10 ⁵ / ₈)	374 (14 ⁵ / ₈)	234 (9 ¹ / ₄)	336 (13 ³ / ₈)	660 (26)
800	968 (38)	251 (9 ⁷ / ₈)	352 (13 ⁵ / ₈)	106 (4 ¹ / ₈)	208 (8 ¹ / ₈)	38 (1 ¹ / ₂)	771 (30 ¹ / ₂)	296 (11 ⁵ / ₈)	398 (15 ⁵ / ₈)	258 (10 ¹ / ₈)	360 (14 ¹ / ₂)	813 (32)
900	1103 (43)	251 (9 ⁷ / ₈)	442 (17 ³ / ₈)	87 (3 ³ / ₄)	279 (11)	38 (1 ¹ / ₂)	924 (36 ¹ / ₂)	315 (12 ³ / ₈)	507 (20)	277 (11)	469 (18 ³ / ₈)	965 (38)

All dimensions given in millimeters (in). *Varies with motor selection.

Our Commitment

As a result of our commitment to continuous improvement, Greenheck reserves the right to change specifications without notice.

Product warranties can be found online at Greenheck.com, either on the specific product page or in the literature section of the website at Greenheck.com/Resources/Library/Literature.