

TYPE FGXM

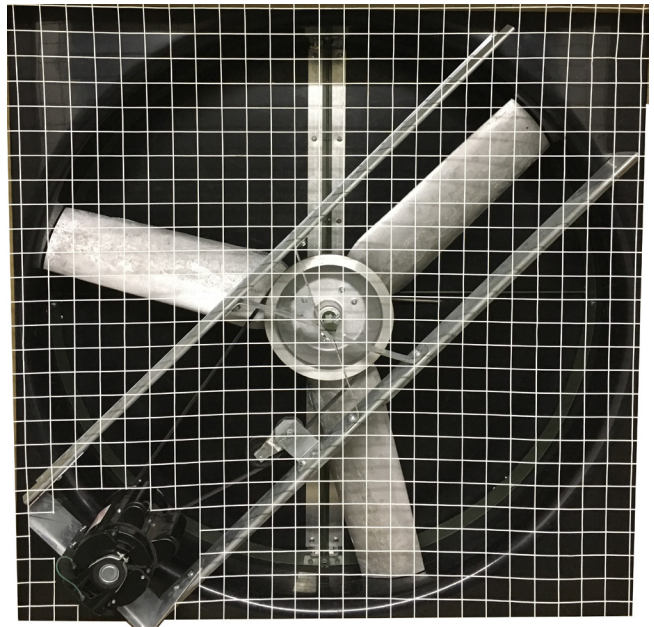
EXTERIOR MOUNT FIBERGLASS WALL FANS

Proven durability and efficiency meet convenience and simplicity in American Coolair's XM Series Exterior Mount Fans. Engineered to mount directly to the outside of farm buildings, eliminating the need for a fan housing, the XM design saves on both material and assembly/installation costs.

Designed to be installed over a wall opening from 56 1/2" square to a maximum of 58" square, Coolair's FGXM54 Damper Door fans are ideal for both new construction or replacing fans in existing buildings.

Utilizing Coolair's new & improved cast aluminum aerodynamic airfoil blades, FGXM Damper Door fans are engineered to maximize performance. The FGXM54 also features durable, long lasting components like the specially engineered HDPE cone and damper doors. All galvanized parts have been epoxy coated for lasting durability in the field. When the unit is energized, the doors fully open automatically, reducing blockage in the airstream to a minimum and optimizing airflow. When the unit is powered off, the doors automatically close and seal magnetically. Gasketing around the circumference of the doors provides a complete weather barrier.

All FGXM fan packages come complete with an automatic belt tensioner, and inlet & discharge guards. In addition to the standard circular cone, the FGXM54 is also available with an elliptical cone, which allows the fans to be mounted on 5 foot centers.



PERFORMANCE RATINGS

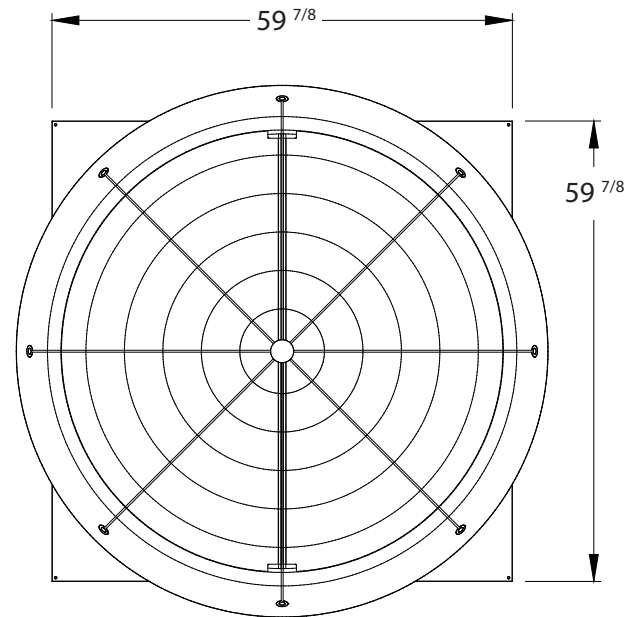
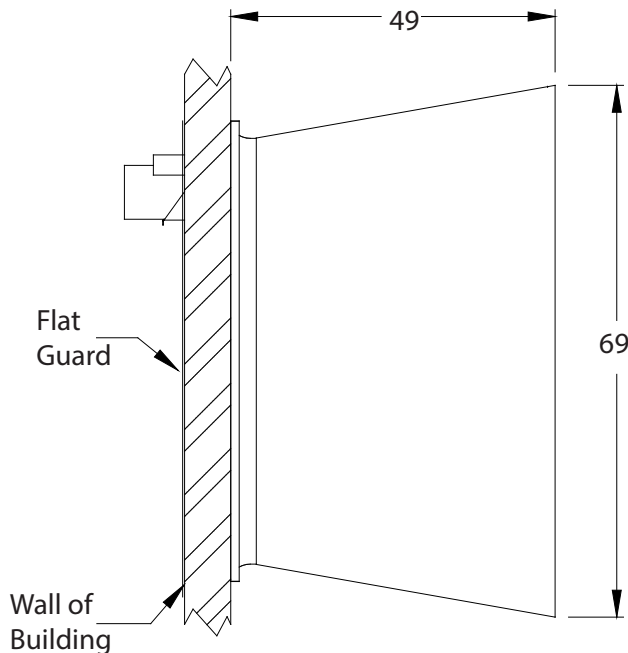
The performance ratings listed below were obtained through testing by the Bio-environmental and Structural Systems Lab (BESS Lab) at the University of Illinois. All fans were tested with a shutter and discharge guard, and some may also include an optional discharge cone as noted in the fan description. The fan was mounted flush to the test chamber face, as in an actual building installation. Power measurements were taken on the fan/motor combination and include motor efficiency and drive losses.



Cubic Feet per Minute (CFM) at Static Pressure														
Fan Model	Fan Size	BESS Lab Test #	Motor HP	Fan RPM @ .05"	0" S.P.		.05" S.P.		.10" S.P.		.15" S.P.		.20" S.P.	
					CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt
Exterior Mount FG Fan with Damper Door, Discharge Cone, & Guards														
FGXM54L	54	16344	1	548	29,800	31.3	27,800	26.7	25,500	22.9	23,100	19.7	20,400	16.9
FGXM54M		16346	1.5	592	32,200	27.2	30,400	23.9	28,300	21.0	26,200	18.5	24,000	16.3
FGXM54L Δ		16343	1	554	30,100	33.5	28,100	28.9	26,000	24.9	23,700	21.5	21,200	18.6
FGXM54M Δ		16340	1.5	595	32,500	29.6	30,800	26.1	28,700	22.7	26,700	20.1	24,300	17.6
FGXM54EN Δ		16342	2	625	33,900	26.1	32,100	23.2	30,300	20.7	28,300	18.5	26,200	16.4
FGXM54N Δ		16341	2	666	36,200	23.3	34,600	21.0	32,700	18.8	30,900	16.9	29,000	15.4

Δ – 3-Phase Units

FAN DIMENSIONS



Dimensions in Inches



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