



# SPECIFICATIONS

## AK100D

### DUAL SPEED EXHAUST FANS



**100 CFM/1.5 Sones @ 0.10" SP., 30.5 Watts**  
**87 CFM @ 0.25 SP.**  
**50 CFM/0.5 Sones @ 0.10" SP., 27.9 Watts**  
**30 CFM @ 0.25 SP.**

#### • **Grill**

White, polymeric grill secured in place with torsion springs; easily removed if necessary, dimensions - 11" x 13<sup>3</sup>/<sub>4</sub>".

#### • **Blower Wheel**

Balanced polymeric dual inlet blower wheel 5<sup>1</sup>/<sub>2</sub>" dia. x 4" depth, 30 paddles, secured in place using 8M hex nut.

#### • **Motor**

Enclosed 4 pole electronically balanced permanently split capacitor motor (PSC); life time lubricated. Motor bearings - ball. Suitable for continuous operation. Rated 115/120 volts, 60 Hz.

#### • **Fan Housing**

23 gauge galvanized steel housing, fully sealed.  
 Overall dimensions 10<sup>7</sup>/<sub>8</sub>" x 9<sup>3</sup>/<sub>8</sub>" x 7<sup>7</sup>/<sub>8</sub>".

#### • **Duct Collar**

Plastic collar for 4" duct connection, comes complete with built in non-metallic back draft damper for quiet operation.

#### • **Ventilating Area**

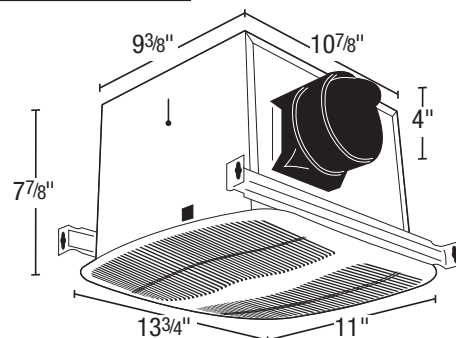
For bathrooms up to 100 sq. ft. For other rooms up to 125 sq. ft.

#### • **Electrical Connections**

1/2" electrical knockouts provided. Easy wiring access via either internal or external wiring compartment cover.

#### • **Single Pack Shipping Info**

Box Dim: 14<sup>1</sup>/<sub>8</sub>" x 11<sup>5</sup>/<sub>8</sub>" x 9<sup>5</sup>/<sub>8</sub>"  
 Shipping Weight: 11.5 lbs.



Acceptable for use over tub or shower when installed in a GFCI protected branch circuit.



#### • **Unit Mounting**

The housing will mount in ceilings with at least 8" of clearance and through drywall thickness up to 3/4", with a rough-in opening of 11<sup>1</sup>/<sub>8</sub>" x 9<sup>5</sup>/<sub>8</sub>". Rated for ceilings insulated to R-40. The housing will mount either between 16" or 24" on center joists, using the 4 supplied housing mounting rails. The housing mounting rails can be adapted for overhead mounting (hardware not provided).

### EXPANDED PERFORMANCE

	Static Pressure (inches of w.g.)							Sones @ .1 SP	Sones @ .25 SP	Fan Speed RPM	Power Watts	Amps
	0	0.1	0.125	0.15	0.2	0.25	0.3					
<b>Air Flow - CFM (High Speed)</b>	104	100	99	98	95	87	71	1.5	1.5	1106	30.5	0.31
<b>Air Flow - CFM (Low Speed)</b>	54	50	48	47	41	30	17	0.5	0.5	875	27.9	0.31

<b>PROJECT</b>							<b>ARCHITECT</b>					
<b>LOCATION</b>							<b>ENGINEER</b>					
<b>CONTRACTOR</b>							<b>SUBMITTED BY</b>				<b>DATE</b>	
<b>FAN NUMBER</b>	<b>MODEL NUMBER</b>	<b>CFM</b>	<b>IN W.G.</b>	<b>RPM</b>	<b>WATTS</b>	<b>AMPS</b>	<b>SONES</b>	<b>QTY</b>	<b>OPTIONAL EQUIPMENT &amp; REMARKS</b>			



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