

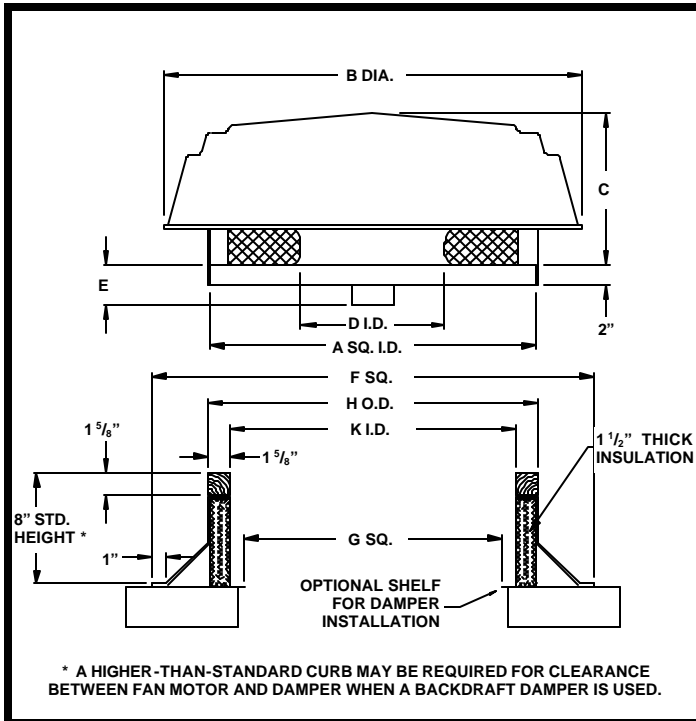


INDUSTRIES

AMERICAN COOLAIR CORPORATION

# Spun Axial Roof Ventilators

TYPE SASD — DIRECT DRIVE SUPPLY  
TYPE SAED — DIRECT DRIVE EXHAUST



SUPPLY UNITS								
FAN MODEL	MOTOR HP	MOTOR RPM	SONES @ 0"	PERFORMANCE AT STATIC PRESSURE				
				0"	.125"	.25"	.375"	.5"
SASD12C16	1/13	1625	11.3	846	679	399	207	
SASD16F11	1/5	1140	12.3	1268	938	560		
SASD16J17	1/2	1725	25	1919	1659	1475	1252	986
SASD20F11	1/5	1100	16.6	2111	1518			
SASD20K17	3/4	1700	35	3262	2928	2439	2226	1937
SASD25H11	1/3	1125	20	3669	3248	2734	2031	847
SASD31J8	1/2	850	20	4589	3918	3090	2196	
SASD37J8	1/2	825	25	7023	6103	4994	3483	

Unit Size	Ventilator Dimensions					Roof Curb Dimensions					Material Thickness	
	A	B	C	D	E	F	G	H	K	Base	Hood	
12	18	20 7/8	13	12	4 1/4	24 1/2	11 1/4	16 1/2	13 1/4	.050	.063	
16	23	28 5/8	12 3/8	16	6 1/4	29 1/2	16 1/4	21 1/2	18 1/4	.050	.063	
20	30	39 5/8	15 3/8	20	6 1/2	36 1/2	23 1/4	28 1/2	25 1/4	.050	.063	
25	34	43 5/8	16 3/4	25	9	40 1/2	27 1/4	32 1/2	29 1/4	.063	.063	
31	40	48 5/8	18 1/8	31	9	46 1/2	33 1/4	38 1/2	35 1/4	.063	.080	
37	46	62 7/8	22 1/8	37	9	52 1/2	39 1/4	44 1/2	41 1/4	.063	.080	

EXHAUST UNITS								
FAN MODEL	MOTOR HP	MOTOR RPM	SONES @ 0"	PERFORMANCE AT STATIC PRESSURE				
				0"	.125"	.25"	.375"	.5"
SAED12C16	1/13	1625	12.6	924	832	723	571	465
SAED16F11	1/5	1140	9.3	1292	1035	698	385	
SAED16J17	1/2	1725	20	1956	1797	1619	1431	1201
SAED20F11	1/5	1100	11.0	2688	2186	1531	1157	576
SAED20K17	3/4	1700	24	4155	3845	3501	3186	2722
SAED25H11	1/3	1125	21	4395	3842	3397	2715	2260
SAED31J8	1/2	850	19.5	5728	4972	4340	3108	2033
SAED37J8	1/2	825	23	8426	7204	5840	4352	2899

Dimensions in Inches

# SASD/SAED Direct Drive - Spun Axial Roof Ventilators

## Applications

The SASD/SAED is a low silhouette axial propeller roof ventilator that is compatible with modern architectural lines and also matches ILG's centrifugal power roof ventilators.

## Construction

- Round spun aluminum hood
- Heavy gauge hood supports
- Vibration isolators
- Galvanized wire bird screen
- Wide range of sizes for every need

## Suggested Specifications

Spun axial roof ventilators shall have circular hoods of spun aluminum. Ventilators will be low in silhouette to conform to present architectural styles. Square bases will be constructed of aluminum. Ventilators will be equipped with galvanized mesh bird screen.

## Specification Checklist

- Units provide general supply (SASD) or exhaust (SAED) of low, medium or high air volumes in commercial, institutional and light manufacturing buildings.
- Weatherproof heavy duty aluminum housing resists corrosion and maintains appearance.
- Deep-spun, one-piece venturi improves efficiency and minimizes pressure losses.
- Bird screen prevents entry of birds or other potentially damaging objects.

## Installation

All models are shipped fully assembled and ready for installation. Always inspect equipment for transit damage before accepting delivery to assure a valid claim.

## Limited Warranty

In the sale of its products, American Coolair Corporation agrees to correct, by repairs or replacement, any defects in workmanship or material that may develop under proper and normal use during the period of one year from the date of shipment from the factory. Any product or part proving, upon American Coolair's examination, to be defective during limited warranty period will be repaired or replaced, at American Coolair's option, f.o.b. factory, without charge.

Deterioration or wear caused by chemicals, abrasive action or excessive heat shall not constitute defects.

American Coolair's limited warranty does not apply to any of its products or parts that have been subject to accidental damage, misuse by the user, unauthorized alterations, improper installation or electrical wiring, or lack of proper lubrication or other service requirements as established by American Coolair.

Repairs or replacements provided under the above terms shall constitute fulfillment of all American Coolair's obligations with respect to limited warranty.

THE LIMITED WARRANTY STATED HEREIN IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, STATUTORY OR IMPLIED, INCLUDING WITHOUT LIMITATION THAT OF MERCHANTABILITY AND FITNESS.

NO LIABILITY FOR REINSTALLATION COST OR FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY NATURE IS ASSUMED OR SHALL BE IMPOSED UPON AMERICAN COOLAIR.



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## Placement

Refer to local building codes for placement of exhaust air streams relative to supply air streams.

## Mounting

Satisfactory operation of roof ventilators requires mounting on adequately designed and constructed roof curbs. Prefabricated curbs for convenience in installation are available from ILG. Install with base of unit horizontal. Provide adequate caulking, flashing or other weatherproofing means.

## Options & Accessories

### Prefabricated Roof Curbs

Insulated roof curbs with weather-resistant continuous welded construction are available for convenience in installation for both insulated and non-insulated roof decks.

### Backdraft Dampers

Gravity or motor operated backdraft dampers are available. They are aluminum construction and designed for installation in prefabricated roof curbs.

### Protective Coatings

Ventilator units are not recommended for exhausting air of a corrosive nature. However, special protective coatings are available where units may be exposed to corrosive exterior conditions. Parts requiring painting are processed through the American Coolair five-stage pretreatment system prior to the application of any coatings to insure maximum finish adhesion. These parts use a thermosetting epoxy powder paint with an average thickness of 3 mils and baked at 400° F to a smooth, hard continuous finish. Consult your ILG Industries representative for available coatings.

REPRESENTED BY:

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