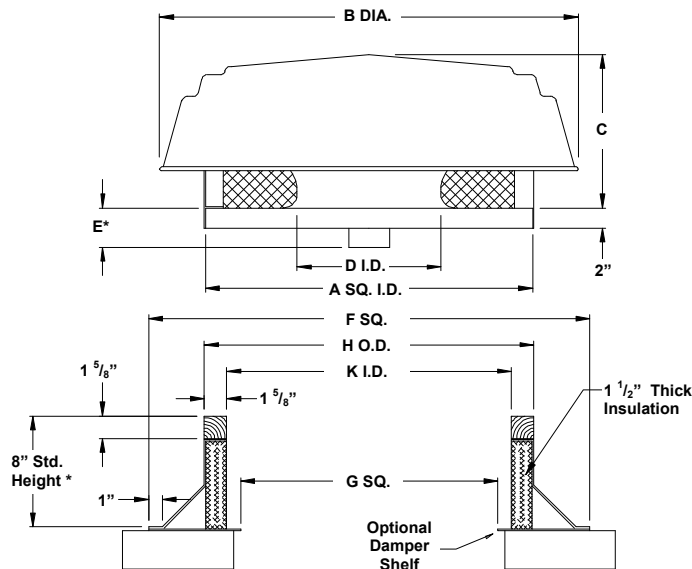




AMERICAN COOLAIR CORPORATION

Spun Axial Roof Ventilators

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



* - For units requiring a backdraft damper, a taller (than standard) curb may be necessary for proper damper/fan motor clearance.

Dimensions in Inches



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

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	1,268	938	560	—	—
SASD16J17	1/2	1725	25	1,919	1,659	1,475	1,252	986
SASD20F11	1/5	1100	16.6	2,111	1,518	—	—	—
SASD20K17	3/4	1700	35	3,262	2,928	2,439	2,226	1,937
SASD25H11	1/3	1125	20	3,669	3,248	2,734	2,031	847
SASD31J8	1/2	850	20	4,589	3,918	3,090	2,196	—
SASD37J8	1/2	825	25	7,023	6,103	4,994	3,483	—

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	1,292	1,035	698	385	—	
SAED16J17	1/2	1725	20	1,956	1,797	1,619	1,431	1,201	
SAED20F11	1/5	1100	11.0	2,688	2,186	1,531	1,157	576	
SAED20K17	3/4	1700	24	4,155	3,845	3,501	3,186	2,722	
SAED25H11	1/3	1125	21	4,395	3,842	3,397	2,715	2,260	
SAED31J8	1/2	850	19.5	5,728	4,972	4,340	3,108	2,033	
SAED37J8	1/2	825	23	8,426	7,204	5,840	4,352	2,899	

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.

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.



AMERICAN COOLAIR CORPORATION

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.

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 multi-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.

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