



**BIG SPACES.
BIGGER RESULTS.**

DSU DESTRATIFICATION FAN

Enhance Efficiency. Reduce Costs. Maximize Comfort.

Engineered for performance, durability, and energy savings, the DSU Destratification Fan is the ultimate solution for combating air stratification and improving air circulation in commercial and industrial spaces. Powered by a high-efficiency EC motor, it delivers unmatched airflow performance while maintaining best-in-class sound levels—ensuring powerful airflow without disrupting your space. Its compact design enables effortless integration into various ceiling configurations, making it perfect for facilities where clearance and layout flexibility are essential.



APPLICATIONS

- Warehouses
- Storage Facilities
- Manufacturing Facilities
- E-commerce Centers
- Airport Hangers
- Auto Repair Facilities
- Recreational facilities
- Sports Arenas

KEY FEATURES

High-efficiency EC Motor: Provides continuous speed control and achieves an industry-leading airflow of 6,500 CFM, ensuring optimized airflow, energy savings, and quieter operation

Quiet Operation: Operates at sound levels similar to typical office environments, making it ideal for noise sensitive spaces

Zoning Functionality: Enables the simultaneous control of up to ten units with a single controller for enhanced convenience

Industrial-grade Durability: 18-gauge steel frame, aluminized steel screen, and finger-proof fan guard offer superior durability while securely protecting the motor and blades

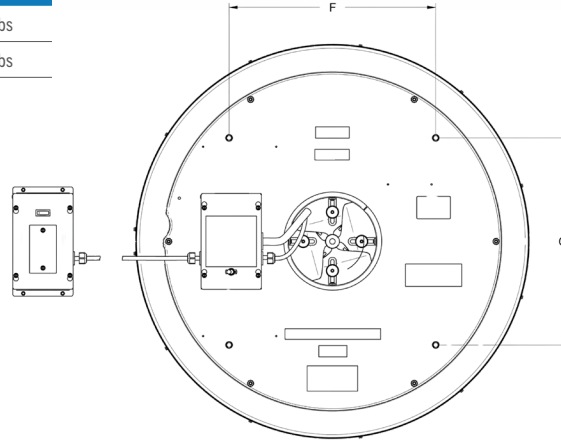
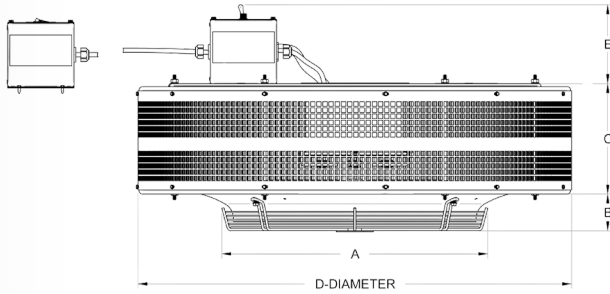
Flexible Fit: Two compact size options designed to easily fit into a variety of ceiling configurations without compromising performance

Simple Installation: All models can be easily suspended using chains, while the smaller model also offers the option of mounting with threaded rods

Year-round Performance: Recirculates warm air during winter to reduce heating costs and keeps air moving in the warmer months for enhanced comfort and ventilation

Dimensions (inches) - Model DSU310/DSU650

MODEL	A (IN)	B (IN)	C (IN)	D (IN)	E (IN)	F (IN)	G (IN)	WEIGHT (LBS)
DSU310	21.49	2.97	8.91	35.01	6.36	18.38	18.38	52 lbs
DSU650	29.51	4.01	13.52	43.59	6.36	18.19	31.51	96 lbs



Performance Data - Model DSU310/DSU650

PARAMETER	UNITS	DSU310	DSU650
Recommended Max. Ceiling Height	Ft.	72	90
Recommended Min. Ceiling Height**	Ft.	28**	38**
Recommended Min. Mounting Height*	Ft.	25**	35**
Air Flow	CFM	3,100	6,500
Discharge Output Velocity	FPM	1,445	1,888
Air Throw Distance at 50 fpm	Ft.	69	87
Air Spread Distance at 50 fpm	Ft.	42	104
Fan Blade Diameter	In.	19	27
Electric Motor	HP	1/3	3/4
Maximum Fan Speed	RPM	1,250	1,150
Input Power, Single Phase	V	115/208/230/277	115/208/230/277
Current	A	4.7/3.0/2.8/2.4	9.4/5.9/5.6/4.8
Sounds Level at 15 ft.	dB	61.6	71.0
Weight	Lbs.	47	96

*Recommended distance between floor and bottom of fan.

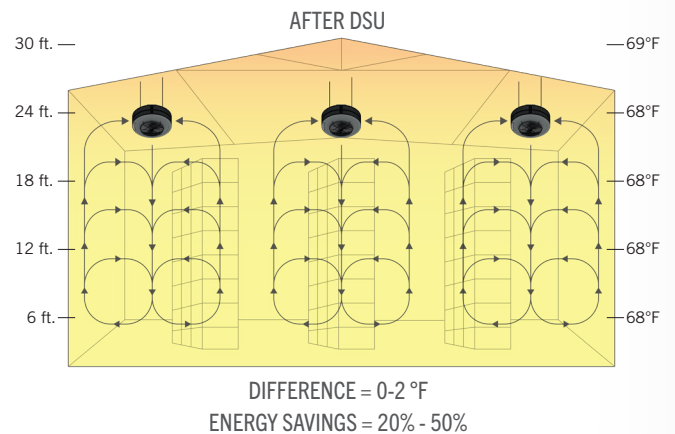
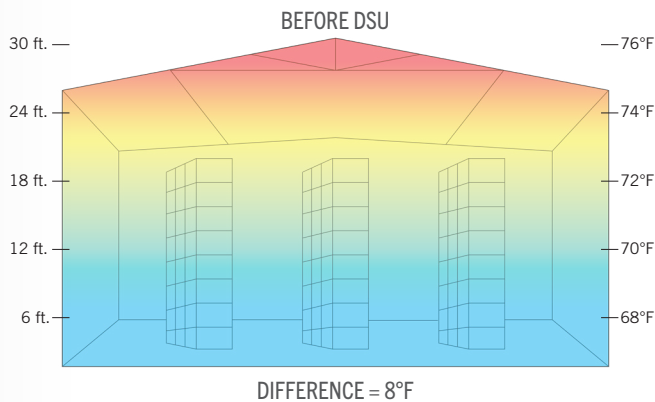
**Lower ceiling heights can be accommodated by reducing the fan speed

Construction Features - Model DSU310/DSU650

FEATURE	DESCRIPTION
Cage and Housing	18-gauge steel frame, finger proof fan guard, and aluminized steel screen
Fan Blades	Four-blade fan delivers smooth and uniform airflow
Safety Fan Guard	Finger-proof fan guard surrounds the fan to eliminate potential safety hazards
Motor	High-efficiency EC motor allows for complete adjustability and optimal efficiency across all speeds
Fan Controls	Multi-fan Speed Controller (0-10V Control of 0-100% fan speed)
Wiring	Power Junction Box to Control Station
Mounting	All models can be suspended with chains, smaller model allows for mounting with threaded rods.
Color	Grey housing, black fan guard and steel screen

DSU Performance Example

TEMPERATURE STRATIFICATION INSIDE A BUILDING WITH 30 FT. CEILING



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