

DSp



INTENDED USE

The DSP Destratifier is used to alleviate the heat stratification problems and to move the heat generated by local heat sources in any space from the ceiling to the floor. For best efficiency, they are recommended for spaces of ceiling heights up to 6 m.

UNIT DESCRIPTION

The DSP Destratifier is available in two sizes.

They incorporate:

- axial-flow fan
- housing with confusor to increase the air blow, made of ABS
- fan on/off thermostat control

WORKING CONDITIONS

The DSP destratifier works intermittently, its switching on and off being controlled by the thermostat situated by the blower and preset to the temperature 5 - 10°C higher than the temperature of the area where men work.

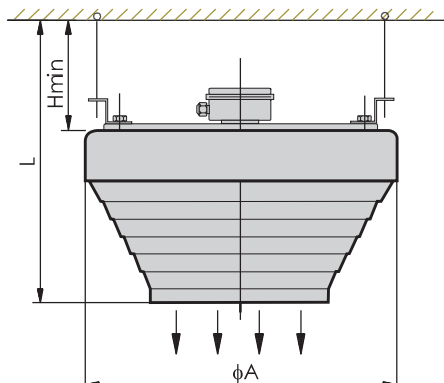
The size and quantity of the destratifiers needed should be selected so that the air blowing range corresponds to ceiling height while the total air flow is between one and two volumes of the space.

DESIGNATIONS

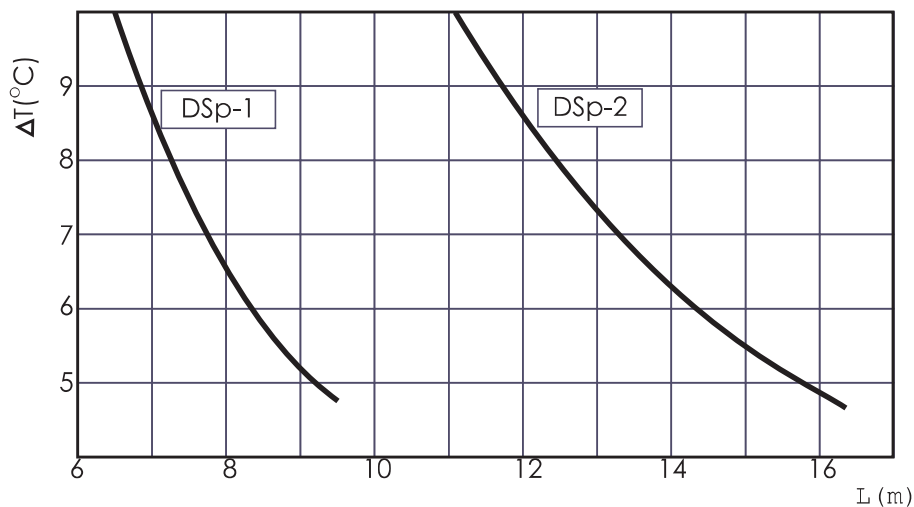
Destratifier	DSp - 1
Unit size	1, 2

TECHNICAL DATA

Basic dimensions



Size	Air flow [m ³ /h]	Motor power [kW]	Current [A]	Voltage [V]	φA [mm]	L [mm]	H [mm]	Weight [kg]
DSp-1	1850	0,13	0,59	230	446	445	200	7
DSp-2	5400	0,61	0,61	230	620	585	250	14



L - air blowing range vertically down

ΔT - air temperature differential between ceiling and floor levels

Size	Noise level [dB(A)]		
	A=100m ²	A=300m ²	A=500m ²
	From distance of 5m		
DSp-1	54	50	49
DSp-2	63	59	58

*Level of noise level of acoustic pressure with room absorbing capabilities A=100m²; A=300m²; A=500m² and directivity factor Q=2 taken into account.