

LEO D DESTRATIFICATOR

LEO D

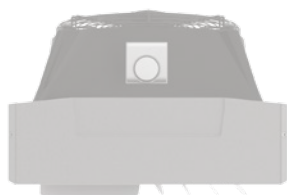
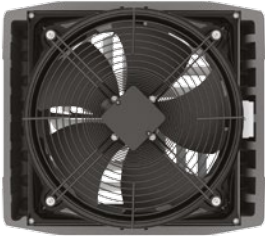


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GENERAL CHARACTERISTICS



LEO D 2 DT 2	
Air flow (m ³ /h)	5100
Weight (kg)	12,5
Colour	grey
Casing	EPP (expanded polypropylene)*

*EPP is an expanded polypropylene, which is good thermal insulator, is resistant to dirt and has high ability of vibration damping. This features allowed to use it as a material for casing of the unit and lowered its total weight.

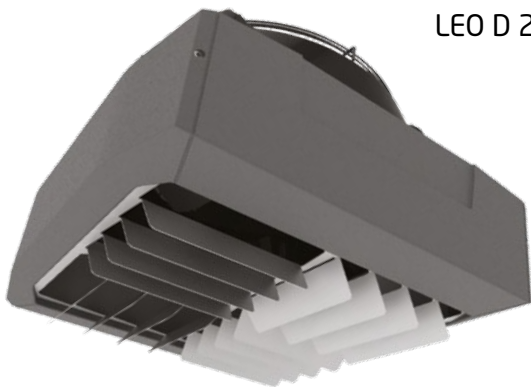
Destratificators are designed to operate indoors. They work together with other units of heating system. They are used to improve efficiency of heating of high industrial and public buildings like: industrial halls, warehouses, supermarkets, exhibition objects.

The main function of destratificator is to prevent accumulation of warm air in upper zones of the room. The fan intakes warm air and forces its flow to the zone occupied by the people. This solution reduces heat loss through the ceiling and results in faster heating of the building.

There are two types of units available:

LEO D 2
without any additional control systems;

LEO DT 2
with thermostat, which turns on the unit automatically when ambient temperature will rise above set temperature.



LEO D 2



LEO DT 2



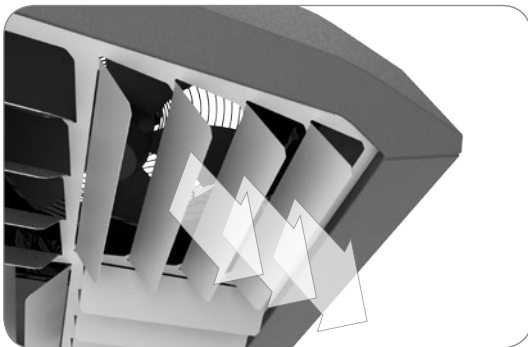
EPP CASING

Mechanical strength, resistance to dirt, low weight and aesthetic appearance. By applying for casing construction an expanded polypropylene, LEO FB heaters mark a new quality of use.



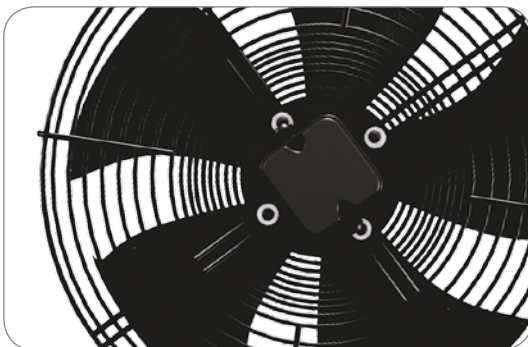
AIR NOZZLE

Fan is placed in specially designed nozzle. Its profile reduces air flow noise and increases unit's efficiency.



AIR BLADES

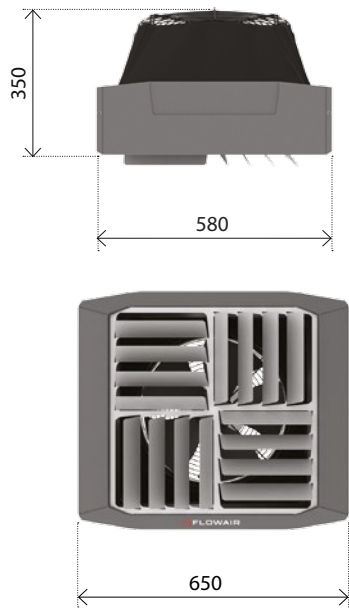
Air outlet is equipped with 4 sections of adjustable air blades. Every single air blade has manual, smooth regulation of the lean angle. It makes possible to direct the air flow in any direction.



FAN

An energy-efficient axial fan is placed at the air inlet of the unit. It forces the air flow through the unit. The air inlet is secured by the safety net.

DIMENSIONS



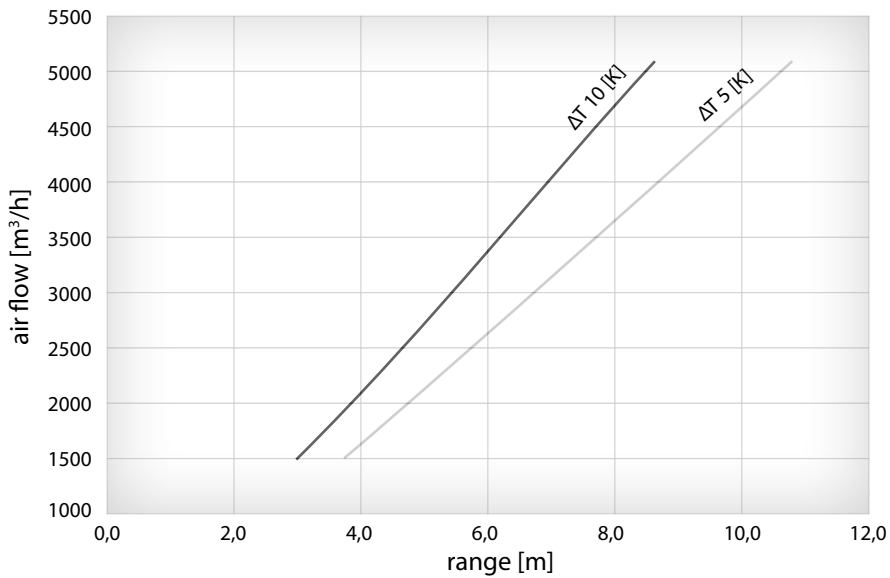
TECHNICAL DATA

	LEO D 2 DT 2
Fan	axial, single phase, AC
Max. air flow [m ³ /h]	5100
Power supply [V/Hz]	230/50
Max. current consumption [A]	1,2
Max. power consumption [W]	280
IP / Insulation class	54/F
Max. acoustic pressure level* [dB(A)]	51,0
Casing	EPP - expanded polypropylene
Colour	grey
Place of installation	indoors
Max. ambient temperature [°C]	60,0
Installation position	horizontal
Weight [kg]	12,5

* Acoustic pressure level measured in the room with average sound absorption, capacity 1500 m³, at distance of 5 m from the unit.

VERTICAL RANGE OF AIR STREAM

NON-ISOTHERMAL

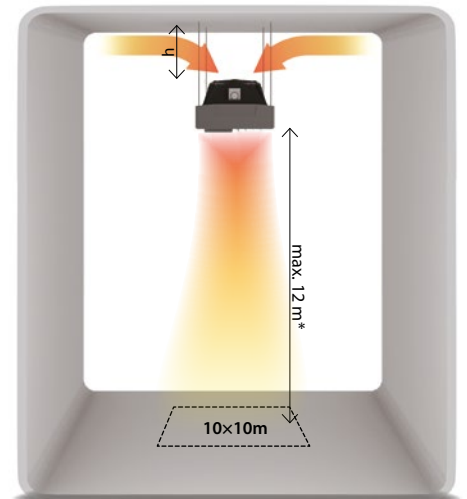
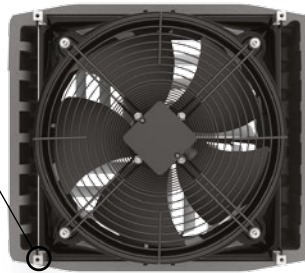


Vertical range of non-isothermal stream (at velocity boundary equal to 0,5 m/s).

INSTALLATION

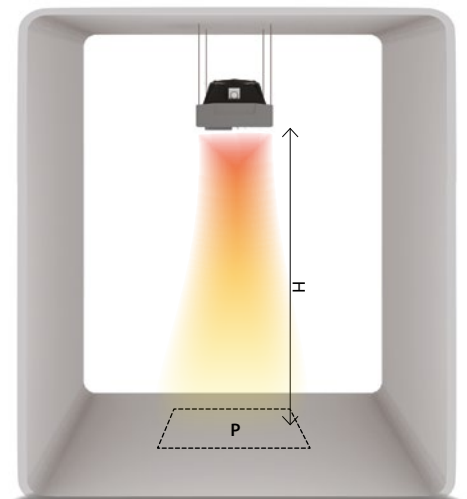
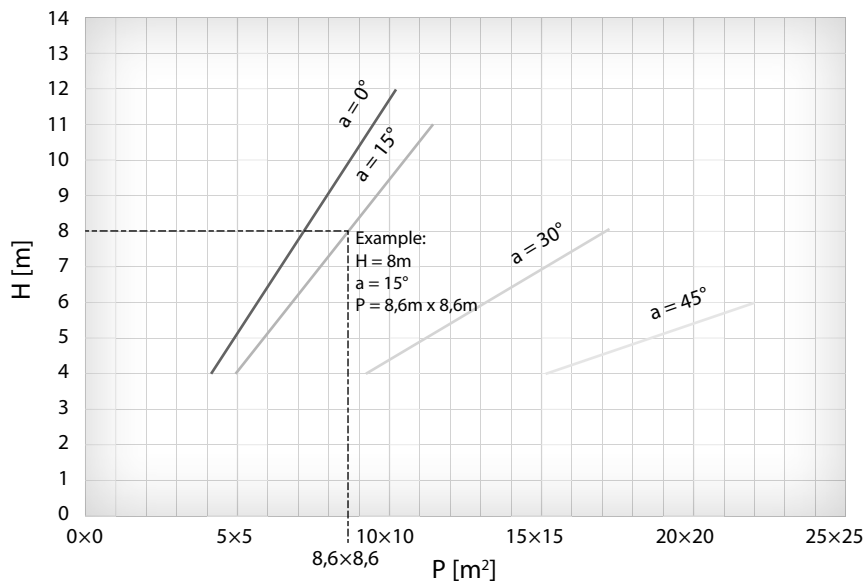


Destratificator is equipped with special holders in 4 corners. They make installation and leveling the unit under the ceiling much easier.



* for air blades installed vertically
h - 1/3 of building's height

AIR FLOW ZONE




H – height of installation
a – angle of air blades
P – air flow zone

CONTROL SYSTEM



LEO DT 2 is equipped with thermostat, which turns on the unit automatically when ambient temperature will rise above set temperature.

Symbol	Picture	Technical data
room thermostat		Temperature adjustment range: +10 ... +30°C Operating temperature range: 0 ... +40°C Protection degree: IP30 Contacts load: inductive 3 A, resistance 10 A Dimensions (HxWxL): 84x84x40 mm Max. wire diameter: 2,5 mm ²

CONNECTION DIAGRAM

- thermostat controls the unit and turns it on when ambient temperature will rise above set temperature.

