

DESTRATIFICATOR

LED
D

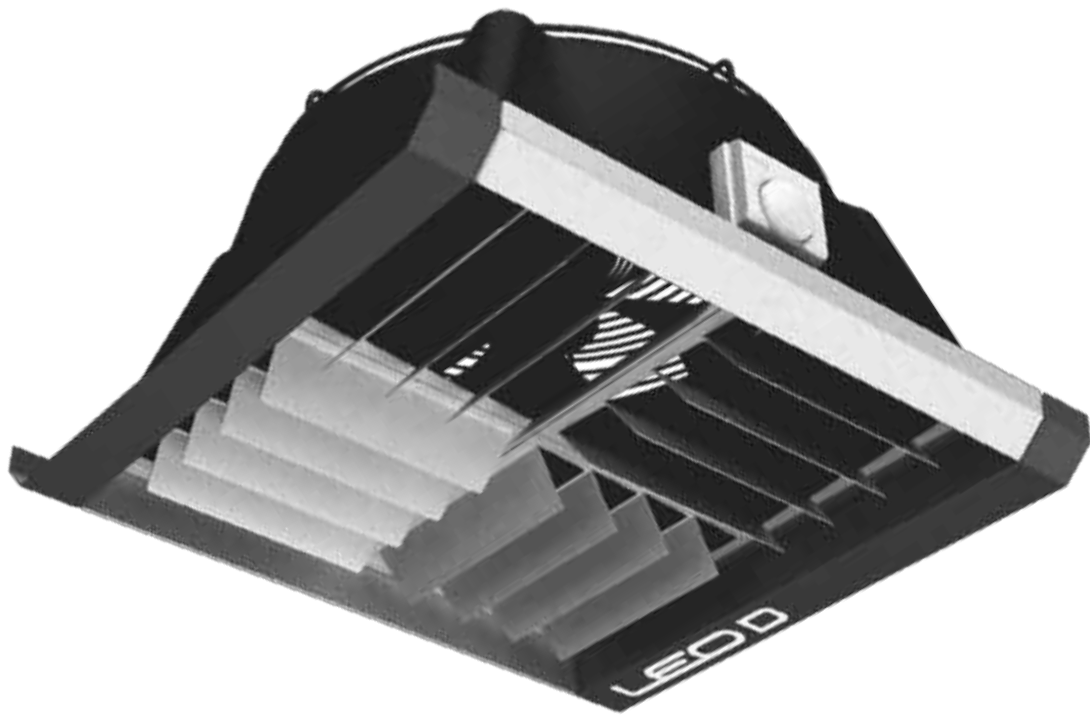




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GENERAL CHARACTERISTIC



Air flow (m³/h)
Weight (kg)
Colour
Casing

LEO D 2 | DT 2

5100

11,0

grey

sheet steel + plastic

Destratifiers are designed to operate indoors. They used to improve efficiency of heating in high industrial and public buildings like: industrial halls, warehouses, supermarkets, exhibition objects.

The 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 unit 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





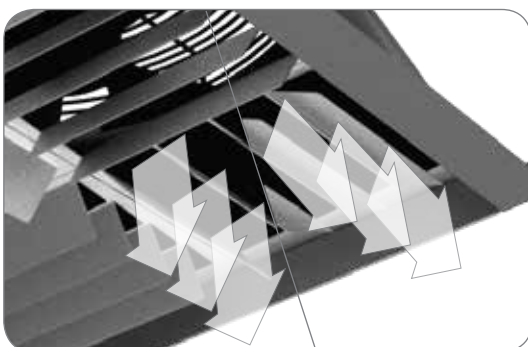
CASING

It joins the best features of steel and plastic. Main part is made of sheet steel. Powder painting has a special structure, which protects it from scratches and dirt. It is light - it doesn't require heavy-duty constructions for installation.



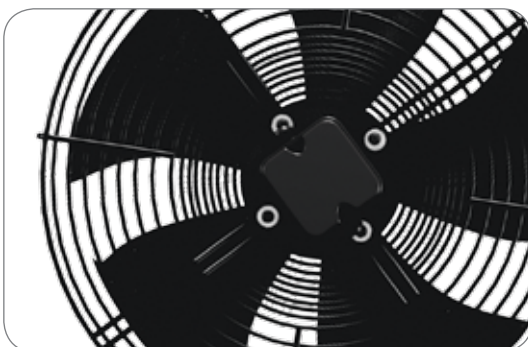
AIR NOZZLE

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



AIR BLADES

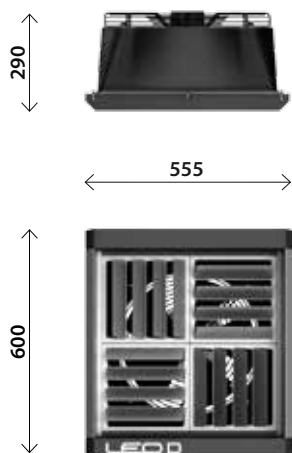
Air outlet is equipped with 4 sections of adjustable air blades. Every single air blade has manual, stepless regulation of the lean angle. It makes possible to direct the air flow freely.



FAN

At the air inlet of the unit the energy-efficient axial fan is placed. It forces the air flow through the unit. The air inlet is secured by guard grill.

DIMENSIONS



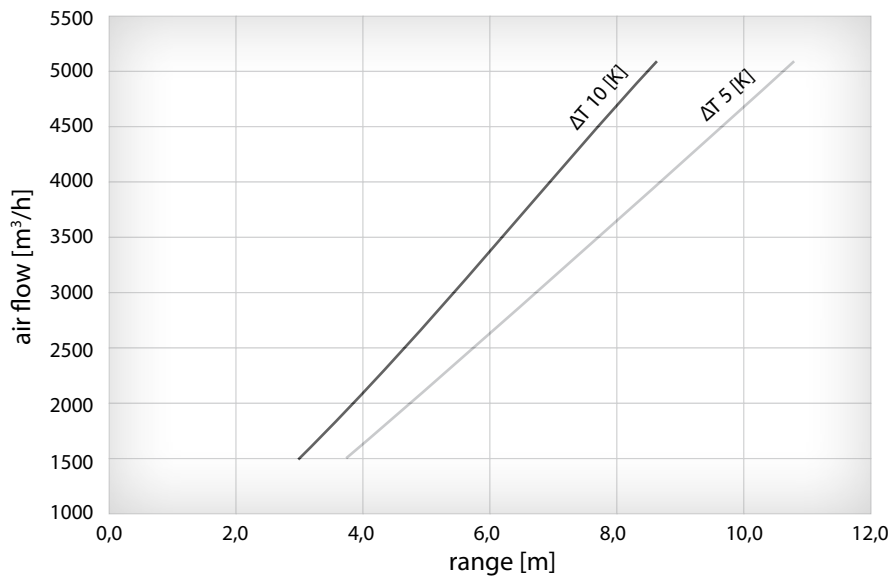
TECHNICAL DATA

	LEO D 2 DT 2
Fan	axial, single phase AC
Air flow [m³/h]	5100
Power supply [V/Hz]	230/50
Max. current consumption [A]	1,2
Max. power consumption [W]	280,0
IP / Insulation class	54 / F
Acoustic pressure level* [dB(A)]	51,0
Casing	sheet steel + plastic
Colour	grey
Place of installation	indoors
Max. ambient temperature [°C]	60,0
Installation position	horizontally
Unit weight [kg]	11,3

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

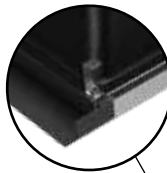
VERTICAL RANGE OF AIR STREAM

NON-ISOTHERMAL

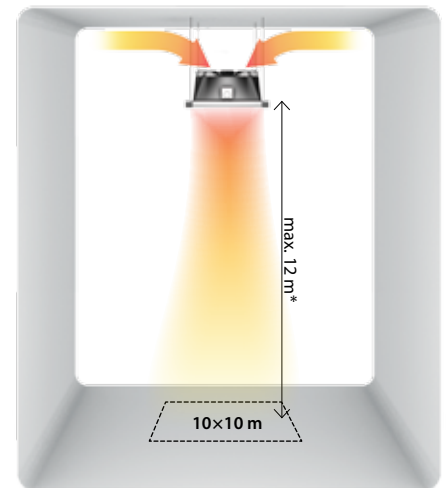


Vertical range of non-isothermal stream (at velocity boundary equal to 0,5 m/s).

INSTALLATION

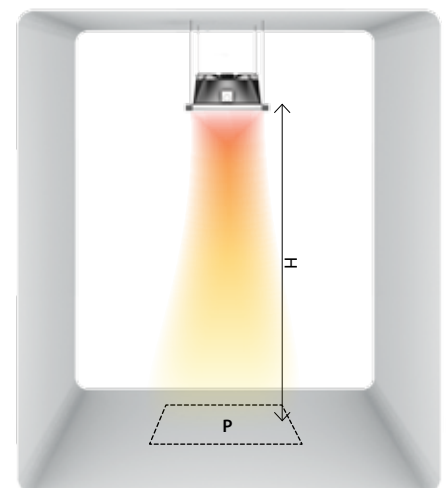
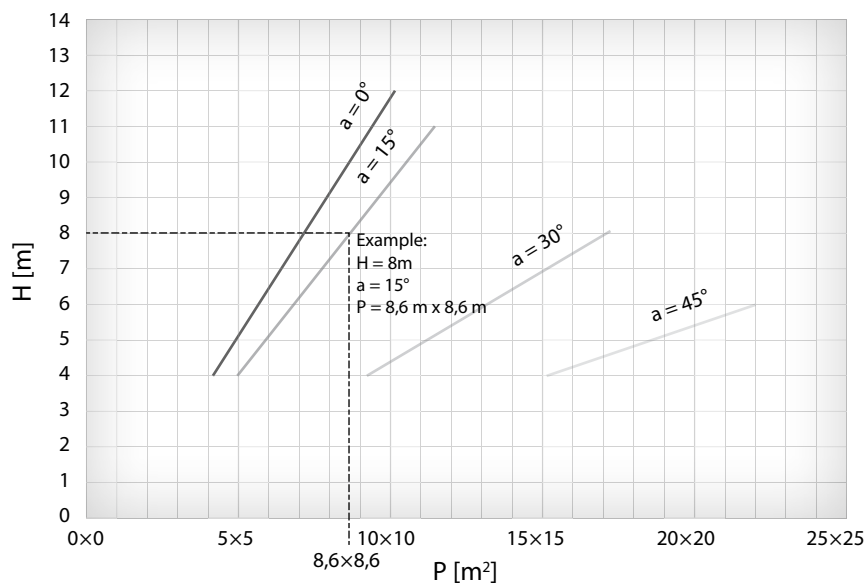


Destratificator is equipped with U-profile holders in 4 corners. They make installation and leveling unit under the ceiling much easier.



* for air blades set vertically

AIR FLOW ZONE




H – height of installation
a – air blades angle
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
RA 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 (WxSxG): 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.

