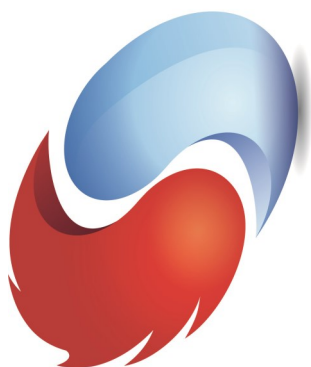


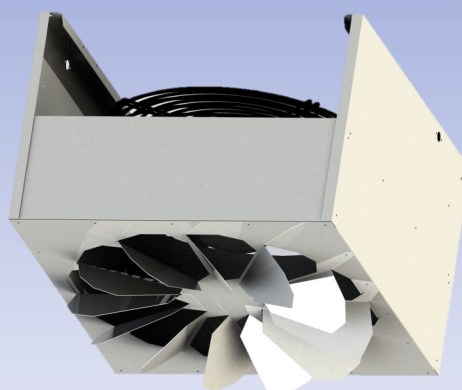
WESTIT



Installation and maintenance manual

DESTRATIFICATION FAN

SDS Models



DTC SDS 23-331 EN

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1-GENERAL RECOMMENDATIONS

The Water Heater meets the requirements of the European directive of « Electromagnetic Compatibility (EMC) » 89/336/CEE, to be incorporated in a complete installation. The installation must be in conformity with the EMC directive.

Those units are used for big volume (warehouse, garage, workshop...)

The guarantee and also the contractual responsibility of the constructor are excluded in case of damages caused by persons, animals or goods, further to installation, adjustment and maintenance mistakes or inappropriate uses.

Do not install those destratification fans in humid and corrosive environments. The air jet of the units cannot disturb the efficiency of fire fighting systems.

The installation must be done by qualified person. The access to intern electric parts could be done if it is necessary only when the power is turn off and by personal who has required qualifications.

This manual is an integral part of supplies. The installer must give it to the user and explain the functioning of the units and the installation. The manual must be conserved close to the unit.

2-RECEPTION - STORAGE

Check the condition of the unit. Unpack the device by using required protections of accident prevention.

In case of damages, inform the carrier in the moment of the delivery. Check the conformity of delivered goods in comparison to the order.

Store the equipment in a clean and dry room, away from shocks, vibration, divergences in temperature and in an ambient environment with a rate of hygrometry lower than 90%.

3-LOCATION

The destratification fan is used to put down hot air which is stagnant under the ceiling. The air mixing is improved and the temperature are more homogeneous. Thus, the units are suspended for a vertical blowing.

Destrafication fans installation is directly linked to the geometry of the place and to the number of selected devices.

Advices for a good location :

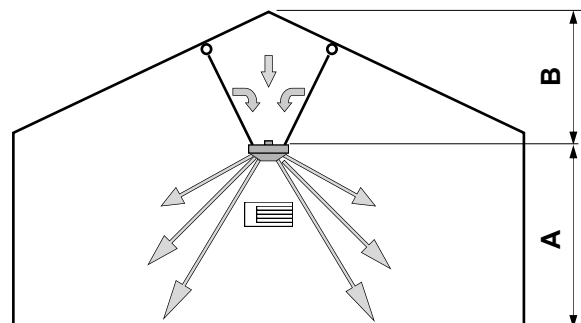
- The units should preferably be placed under the highest points. We recommend a clearance of 1 meter with the ceiling with a minimum of 0.5 m.
- In case of high-ceilinged rooms (> 8 m), it is possible to lower the destratification fan, without lower more than 70% the high of the building. This is to improve the power of the air jet.

Units are delivered with closed directional louvers. The device cannot wok with closed louvers. Adjust their orientation according to the area at the time of the installation.

Before mounting the device, it is necessary to make sure of the support's strength.

4-INSTALLATION

The de-stratification fans SDS are equipped with four points of fixing to have a good stability. for a better efficiency the destratification fan must be installed at 2/3 of the height .



5- ELECTRICAL CONNECTION FOR SDS MODEL

The unit must be turned off for cable connection. It must be realized by a qualified professional with required qualifications. Choose the protection system and cable connections according to the characteristics on the identification plate.

Note : Electrical characteristics can be modified during a year. Always refer in priority to the information given on the motor identification plate.

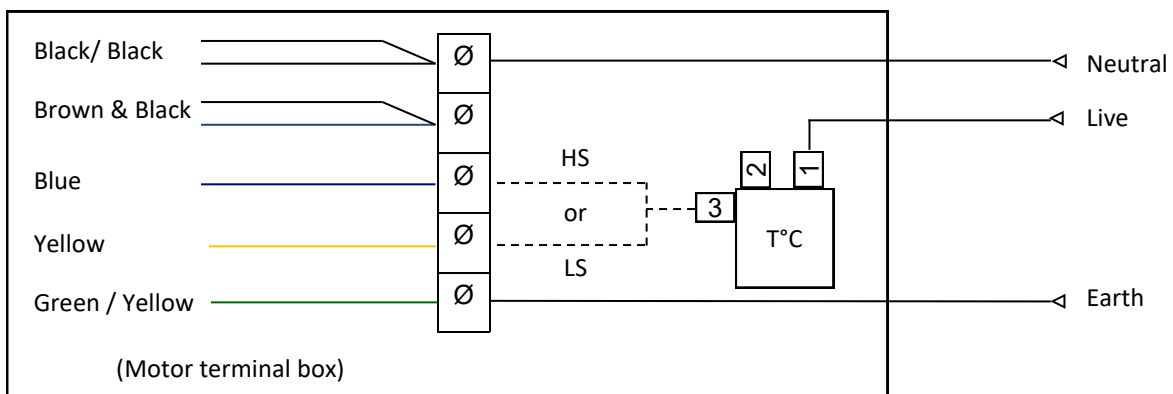
Before plugging in the appliance, check the data on the identification plate and become aware of the electrical diagram on the terminal plate and comply with indicating connection instructions .

Model	Airflow (m3/h)	Rotation speed (Rpm)	Input power (W)	Nominal current (A)	Maximum height (m)
SDS 4	3 600	1 350	160	0.7	4
SDS 6	5 500	1 150	430	2.0	6
SDS 10	9 400	1 350	410	1.7	10

The unit are standard-equipped with a 3-wire cable of 1.5 meter to facilitate the connexion.

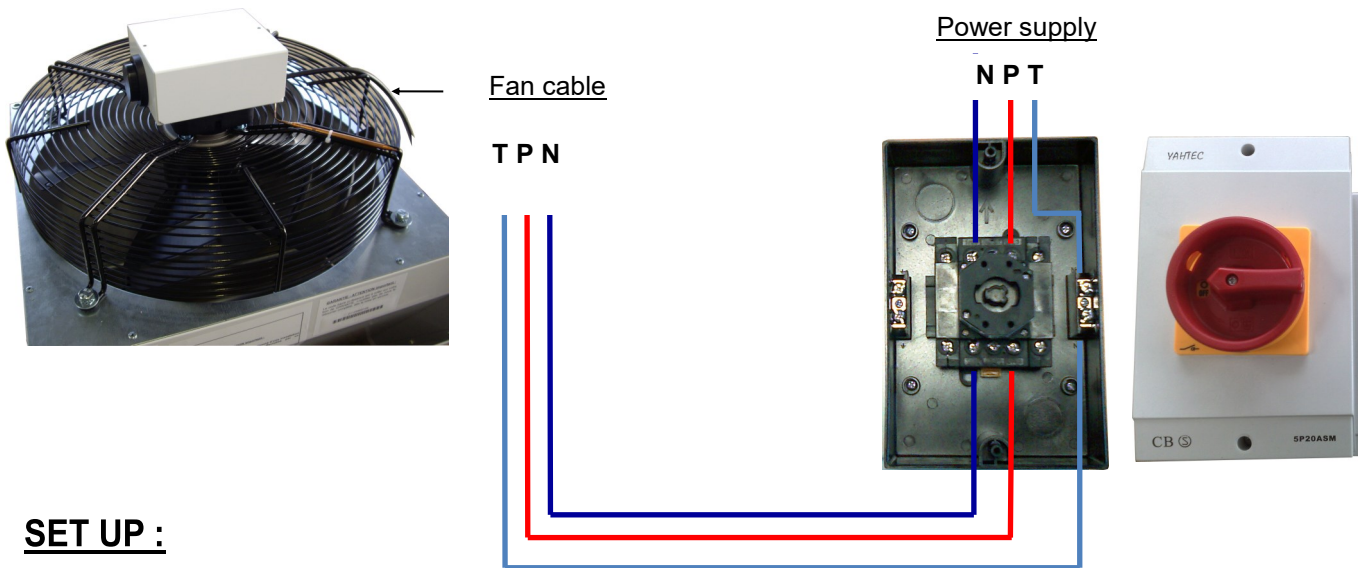


Connection between the thermostat and the 2-speed fan:



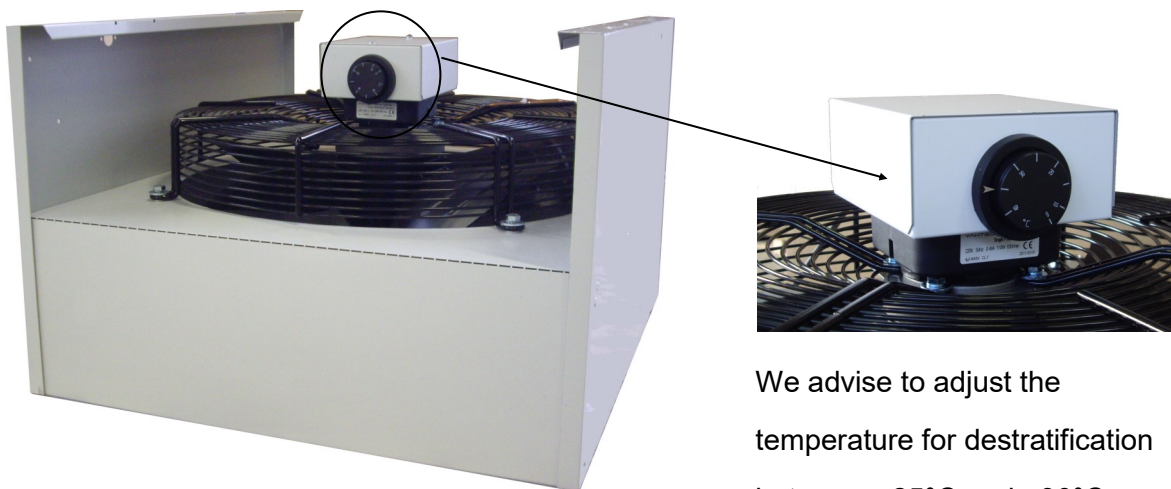
SWITCH DISCONNECTOR WIRING

The switch disconnecter is used to cut off the power supply. It can be fixed on the device or near it.



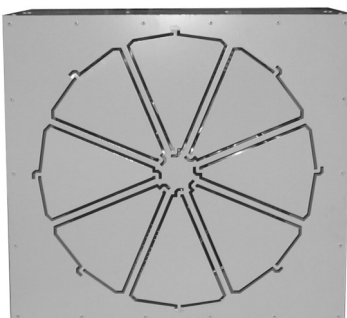
SET UP :

The destratification fans are standard-equipped with a thermostat, adjust it according to the needed temperature of destratification.



We advise to adjust the temperature for destratification between +25°C and +30°C .

After the installation, adjust the louvers, the fan must be turned off



1 - Louvers closed



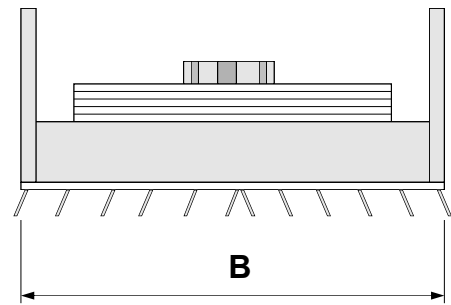
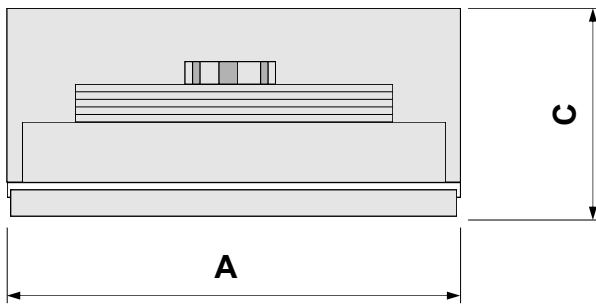
2 - Adjust the louvers depending on the blowing angle needed



3 - Louvers openned

6- DIMENSIONS

SDS Dimensions



Type	A	B	C	Weight (kg)
SDS 4	600	650	400	18
SDS 6	600	650	400	21
SDS 10	650	1200	400	36

7-USER LIMITS

Respect the voltages and frequencies mentioned on the identification plate of the unit. (Do not go up to 5% from the extreme voltage and do not go up to 1% from the frequency).

NOTE :

The precautions, instructions and descriptions concern the standard functioning.

It does not take account of any variation in construction or special adaptation.

The non respect of those recommendations can cause a premature deterioration and the guarantee may be invalidated.