

INSTALLATION AND OPERATION MANUAL
INDUSTRIAL WARM AIR HEATERS
of CH type

WITH AIR DIFFUSER
of DRA/DA/DTC/T2 type



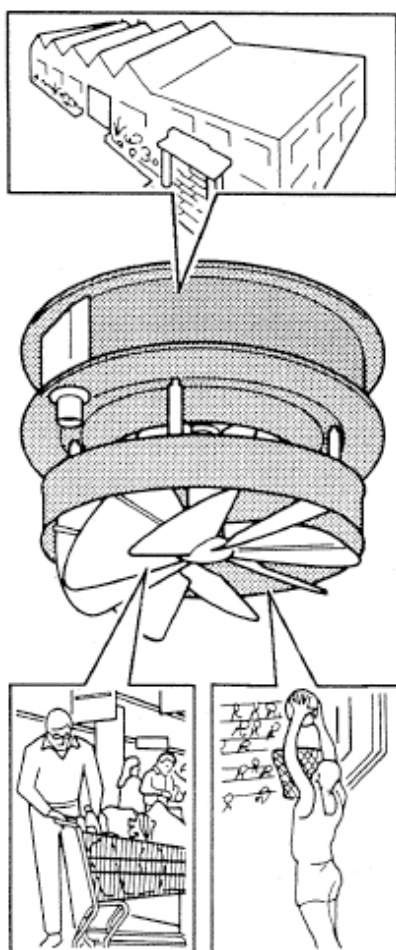
Thank you for choosing a product of **ECO CALORIA Sp. z o.o.!!!**

We are glad to have you as our customers, we believe that you will be satisfied with the use of our heaters. Following the manual and caring out of installation and maintenance by qualified staff ensures proper and safe operation of the device. Not following the manufacturer's recommendations will void the device's warranty

Before installation carefully read the instructions

This manual is an integral part of the product and must be supplied along with it to you. To ensure proper handling equipment should be thoroughly familiar with this manual and keep it for future reference.

The unit can be installed and operated in conditions for which it was designed. Any other use not in accordance with these instructions may lead to serious consequences of accidents. Care should be taken to eliminate the possibility of misuse of the device. Restrict access to the device by unauthorized persons and trained support staff. The manufacturer is not responsible for damage resulting from incorrect installation, improper operation or are not getting acquainted with the guidelines of the manufacturer's instructions.



ECOair heater of CC type has been designed and manufactured for heating or cooling buildings with large buildings such as factories, workshops, showrooms, warehouses, pavilions, sports facilities, etc.

The heater is designed for ceiling installation.

The fan consists of aluminum blades statically and dynamically Balanced, which are directly connected with hermetically sealed three-phase electric motor with two speeds.

Wheel housing is composed of two circles, which are well protected against oxidation by phosphate and a coating deposited.

Toroidal heat exchanger is composed of copper, parallel tubes which are mounted on two steel mandrels equipped with ribs parallel rims.

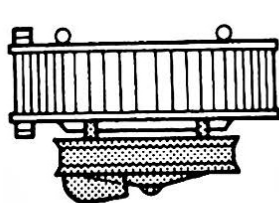
Nagrzewnica została zaprojektowana do instalacji sufitowych.

The heater is designed for ceiling installation.

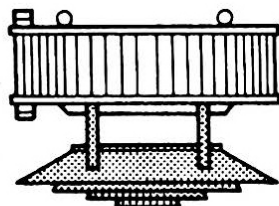
The fan consists of aluminum blades statically and dynamically Balanced, which are directly connected with hermetically sealed three-phase electric motor with two speeds.

Wheel housing is composed of two circles, which are well protected against oxidation by phosphate and a coating deposited epoksy poliesterową.

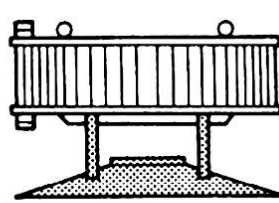
Toroidal heat exchanger is composed of copper, parallel tubes which are mounted on two steel mandrels equipped with ribs parallel rims.



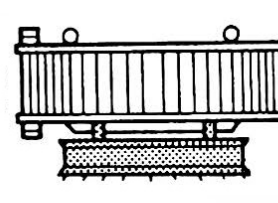
DRA



DA



DTC



T2

Hot water heating CH type with radial fan and diffuser-type DRA - model of this type is made of eight separate, adjustable big blinds. Their shape allows you to cover the entire height of the exhaust which gives the freedom to adjust the distance of the suspension. Such a diffuser allows the air flow directed to the desired surface. You can also close one, two or three blades and thereby reduce air distribution.



Hot water heating CH type with axial fan and diffuser type DA - this type of heater is designed for air distribution in large, open areas with moderately low suspension. A particular advantage is its low noise level during operation. It is ideal for use in restaurants, schools, hospitals, theaters, etc.



Hot water heating CH type with axial fan and diffuser-type DTC - this model is designed for heating horticultural greenhouses, etc. The heater has a very wide range and can heat a large area. The device is mounted on a standard height. Optimum air distribution can be achieved by adjusting the conical diffuser.



Hot water heating CH type with axial fan and diffuser type T2 - is designed for bi-directional heating. It is ideal for use in hallways, walkways, storage areas between the shelves. It can be mounted at any height depending on the length of the corridor.



Water Air Heater of CH type

ECOair Hot water heating **CH** type of vertical air flow offers a practical and economical solution for the heating of hot water supply. There are 100 different models supplied with hot water or steam (13.0 kW power devices - 200.0 kW). The device is designed to couple with a pressure of 6 bar and a maximum water temperature of 140 ° C.

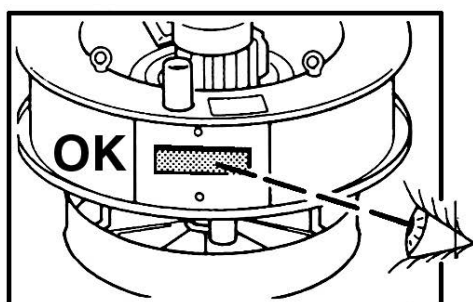
The housing is made of steel, where both the upper and lower sections are designed to get more power and quiet operation. Housing is phosphated and coated with epoxy polyester powder coating of colored light gray - RAL 9002 (white Carpathian). The lower part of the housing has a condensate tray with a suitable drainage connection. The upper and lower sections are mounted on a threaded tie-rods in such a way as to allow quick removal of the unit to make its maintenance.

Round heat exchanger water heater heating Ecoair CH type is constructed of copper tubes and aluminum fins.

Spiral fan is statically and dynamically balanced and high performance profiles for maximum air movement with minimal power consumption.

The standard three-phase electric motor is enclosed in a frame with a collar. The engine can operate at two speeds: 1,400 rpm / min (normal speed) or 900 rev / min (slow speed).

Proof two-speed motors are available on request.



Oznaczenie

Każde urządzenie posiada tabliczkę znamionową, na której znajdują się informacje dotyczące roku produkcji i typu urządzenia.

Transport

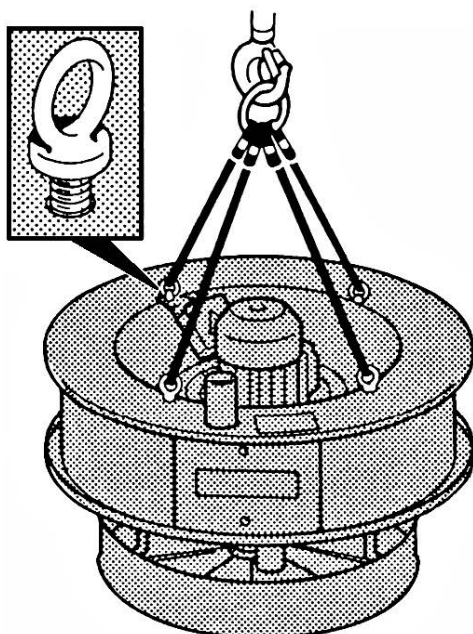
Każde urządzenie przed dostawą jest dokładnie pakowane i sprawdzane. Przed rozpakowaniem prosimy dokładnie obejrzeć pudełko.

Przed montażem należy sprawdzić czy model na tabliczce znamionowej zgadza się z tym na zamówieniu.

Jeżeli zauważą Państwo uszkodzenia obudowy lub niezgodność modelu urządzenia z zamówieniem - prosimy o niezwłoczny kontakt ze Sprzedawcą.

Przy podnoszeniu urządzenia w miejsce, w którym ma być instalowane upewnij się, że podnośnik jest prawidłowo dobrany do wagi urządzenia.

zadanie upewnij się, że:





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