

English

Lotus range



ROSE HEATERS

UK INFRARED HEATER COMPANY



Operation Manual Infrared Ceiling Metal Heater

ISHC 6012, ISHC 4012, ISHC 5010,
ISHC 4010, ISHC 4080, ISHC 6060
ISHC 6010, ISHC 7012, ISHC 8012



TUV NORD





Before using this appliance, read, FOR SURE, this manual.

Pay your attention to the sections marked with this sign. 

Thank you for purchasing this infrared metal heater.
We sincerely hope that your use of this product will only cause positive emotions.



CAUTIONS

Be aware! Some parts of the heater can get very hot.

- A particular attention should be paid if children or other vulnerable people are present in the premises.
- Children shall not play with the appliance. Cleaning and maintenance of the appliance shall not be performed by children without supervision;
- Children under 3 years of age shall not be admitted to the appliance unless they are constantly observed.
- Children from 3 to 8 years old can only turn on /off the heater if it is installed in accordance with meeting all the rules and requirements for its normal operation, and they are supervised or instructed in safe use of the appliance and understand the possible danger.
- Children from 3 to 8 years old shall not connect, adjust, clean or maintain the appliance.
- If the power cord is damaged, it shall be replaced by the manufacturer, or a qualified maintenance representative.

BE AWARE: The appliance is not equipped with a room temperature control device. Do not use the appliance in small rooms if they are occupied by people who are unable to leave the room by themselves and are not under constant supervision.

Purpose

The infrared ceiling metal heaters of ISHC type are designed for maintaining or additional heating of residential and non-residential premises. Infrared ceiling metal heaters are designed to operate from household power mains with a voltage of 220-230 V, 50 Hz.



Standard delivery set

ISHC panel.....1 pcs; Screw for fastening brackets.....4 pcs;
Power cord.....1 pcs; Operation manual1 pcs;
Ceiling plugs with wood screws4 pcs; Wrench.....1 pcs.
Ceiling bracket4 pcs;

Technical data of Rose Heat ISHC infrared ceiling metal heaters

| Model | ISHC 8012 | ISHC 7012 | ISHC 6012 | ISHC 6010 | ISHC 4012 | ISHC 5010 | ISHC 4010 | ISHC 4080 | ISHC 6060 |
|---|---------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|
| Rated power consumption, kW | 1,2 | 1.0 | 0.8 | 0.6 | 0,5 | 0,5 | 0,45 | 0,35 | 0,4 |
| Nominal current max., A | 5,4 | 4,5 | 3,6 | 2,7 | 2,3 | 2,3 | 2,0 | 1,8 | 1,8 |
| Voltage, V | 220-240 | | | | | | | | |
| Frequency Hz | 50 | | | | | | | | |
| Heater area, m ² | 0,96 | 0,84 | 0,72 | 0,6 | 0,48 | 0,5 | 0,4 | 0,32 | 0,36 |
| Heating temperature, C° | 120±5 | | | | | | | | |
| Weight (not more), kg | 15,0 | 13,3 | 11,5 | 9,6 | 7,8 | 8,0 | 6,4 | 5,1 | 5,8 |
| Time to enter the mode, min. | 10 | | | | | | | | |
| Heated Floor area (m2) of the room (considering standard UK ceiling height 2.4 m) | 17-22 | 14-20 | 12-16 | 9-15 | 7-10 | 7-10 | 6-8 | 5-7 | 5-7 |
| Heated volume of the room (no more), m ³ | 42-53 | 35-47 | 28-39 | 21-35 | 18-25 | 18-25 | 15-20 | 14-18 | 14-18 |
| Installation method | ceiling mount | | | | | | | | |
| Sizes (HxWxD), mm | 800x1200x14 | 700x1200x14 | 595x1195x14 | 600x1000x14 | 400x1200x14 | 500x1000x14 | 400x1000x14 | 400x800x14 | 595x595x14 |

Installation

Infrared heaters of ISHC series are installed on the ceiling.

Table of distances, mm

| Model | a | b |
|-------------------------|-----|-----|
| ISHC 8012 (1200x800x14) | 800 | 600 |
| ISHC 7012 (1200x700x14) | 800 | 500 |
| ISHC 6012 (1195x595x14) | 800 | 390 |
| ISHC 6010 (1000x600x14) | 700 | 390 |
| ISHC 4012 (1200x400x14) | 960 | 240 |
| ISHC 5010 (1000x500x14) | 700 | 300 |
| ISHC 4010 (1000x400x14) | 760 | 240 |
| ISHC 4080 (800x400x14) | 560 | 240 |
| ISHC 6060 (595x595x14) | 400 | 400 |

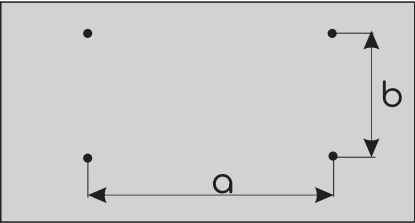


Fig. 1

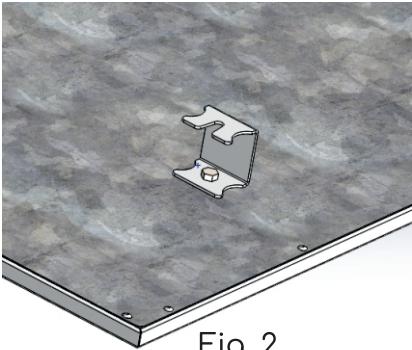


Fig. 2

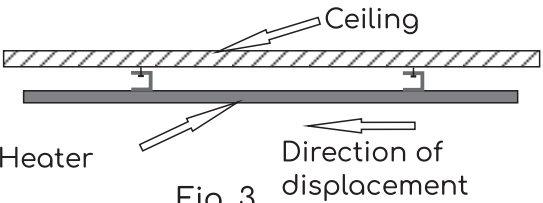


Fig. 3

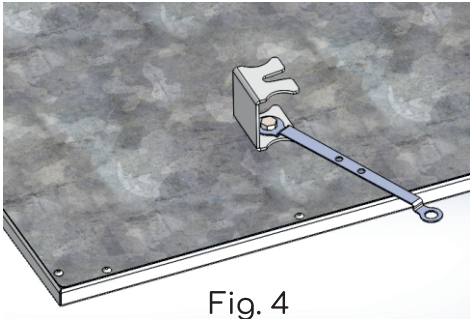


Fig. 4

Installation of heaters

All operations on installation and maintenance of heaters shall be carried out by qualified technical personnel.

1. The side edge of the heating panel must be at least 20 cm from the wall, and the heater must be at least 180 cm from the floor.
2. Make sure there are NO electrical or water lines in the area of drilling holes.
3. Measure distances "a" and "b" to end the control points (see Fig.1)
4. Mark points on the ceiling and drill holes with diameter of 8 mm.
5. Fit ceiling plastic plugs.
6. Screw in the wood screws with washers into ceiling plugs without screwing two turns (see Fig. 3).
7. Install ceiling brackets on the heater (see Fig. 2) with the use of appropriate screws.
8. Install the heating panel on the ceiling. The design of the brackets allow the heating panel to be hung on chains or hooks.
9. After installation, turn 2 brackets by 180° (see Fig. 4).
10. Using the wrench, tighten all wood screws and screws (see Fig. 4).
11. Connect the panel to power source, colors of wires: yellow/ green –grounding, blue – zero, brown – phase.

When installing the heaters to provide the main heating, the heating panels are to be connected to the power source through a temperature controller.

The temperature controllers should be installed in every heated premises (rooms). In case of installing several panels in one premise (room), the panels need to be connected in parallel.



Do not install panels directly under an electrical socket.

The heater should be connected only to a fixed wiring, and the wiring must contain a power disconnecter with physical separation of contacts (mechanical switch, automatic circuit breaker).

The power supply wire must not be laid on the back of the heater.

To ensure the possibility of complete disconnection from the main power, the heating panels need to be connected through an automatic protection tripping unit / circuit breaker.

The heating panels can be cleaned in a switched-off condition using a paint-surface care agent that do not contain abrasive materials.



Do not use aggressive or solvent-based cleaning agents to clean the heating panels.

