



## Electric infrared heater



of REF type

### Infrared Electric Heaters



### Infrared Gas Heaters



### Water Radiant Panel



### Fan Coil



### Electric Air Heater



### Gas-Fired Air Heaters



### Water Air Heaters



*Comfort*  
in many ways...



## Description

Quartz infrared heater **ECOray** of **REF** type is designed to heat the modernized buildings and halls and new buildings to provide economic, free from dirt heating. It is made of aluminum.

We offer a wide range of power options from 1 kW to 12 kW. Infrared heater is adapted to different work environments and complies to the needs of heat. **REF** electric infrared heater **ECOray** has an average lamp life up to 7000 hours. The device is adjustable both vertically and horizontally allowing for accurate heat distribution.

## Application

- aircraft hangars,
- factories,
- garages and workshops,
- halls,
- sacral buildings,
- sports facilities.



## Technical specifications

| Model<br>(without guard) | Voltage<br>V | Lamps<br>x power<br>(kW) | Total power<br>(kW) | Dimensions<br>L x W x D<br>(mm) | Weight<br>without<br>guard (kg) |
|--------------------------|--------------|--------------------------|---------------------|---------------------------------|---------------------------------|
| REFIA10                  | 230          | 1 x 1.0                  | 1.0                 | 420 x 225 x 115                 | 4.0                             |
| REFIA15                  | 230          | 1 x 1.5                  | 1.5                 | 420 x 225 x 115                 | 4.0                             |
| REFIA20                  | 230          | 1 x 2.0                  | 2.0                 | 420 x 225 x 115                 | 4.0                             |
| REFIB20                  | 230          | 2 x 1.0                  | 2.0                 | 420 x 390 x 115                 | 5.0                             |
| REFIB30                  | 230          | 2 x 1.5                  | 3.0                 | 420 x 390 x 115                 | 5.0                             |
| REFIB40                  | 230          | 2 x 2.0                  | 4.0                 | 420 x 390 x 115                 | 5.0                             |
| REFIC30                  | 230          | 3 x 1.0                  | 3.0                 | 420 x 525 x 115                 | 6.5                             |
| REFIC45                  | 230          | 3 x 1.5                  | 4.5                 | 420 x 525 x 115                 | 6.5                             |
| REFIC60                  | 230          | 3 x 2.0                  | 6.0                 | 420 x 525 x 115                 | 6.5                             |
| REFID20                  | 230          | 2 x 1.0                  | 2.0                 | 855 x 255 x 115                 | 7.0                             |
| REFID30                  | 230          | 2 x 1.5                  | 3.0                 | 855 x 255 x 115                 | 7.0                             |
| REFID40                  | 230          | 2 x 2.0                  | 4.0                 | 855 x 255 x 115                 | 7.0                             |
| REFIE30                  | 230          | 3 x 1.0                  | 3.0                 | 1280 x 255 x 115                | 10.0                            |
| REFIE45                  | 230          | 3 x 1.5                  | 4.5                 | 1280 x 255 x 115                | 10.0                            |
| REFIE60                  | 230          | 3 x 2.0                  | 6.0                 | 1280 x 255 x 115                | 10.0                            |
| REF3C30                  | 400          | 3 x 1.0                  | 3.0                 | 420 x 525 x 115                 | 6.5                             |
| REF3C45                  | 400          | 3 x 1.5                  | 4.5                 | 420 x 525 x 115                 | 6.5                             |
| REF3C60                  | 400          | 3 x 2.0                  | 6.0                 | 420 x 525 x 115                 | 6.5                             |
| REF3F60                  | 400          | 6 x 1.0                  | 6.0                 | 855 x 632 x 115                 | 13.5                            |
| REF3F90                  | 400          | 6 x 1.5                  | 9.0                 | 855 x 632 x 115                 | 13.5                            |
| REF3F120                 | 400          | 6 x 2.0                  | 12.0                | 855 x 632 x 115                 | 13.5                            |
| REF3E30                  | 400          | 3 x 1.0                  | 3.0                 | 1280 x 255 x 115                | 10.0                            |
| REF3E45                  | 400          | 3 x 1.5                  | 4.5                 | 1280 x 255 x 115                | 10.0                            |
| REF3E60                  | 400          | 3 x 2.0                  | 6.0                 | 1280 x 255 x 115                | 10.0                            |

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