

Low intensity infrared unit

Concept

Heat is transferred by radiation to a cold object or body. Infrared directly warms people and objects, not the ambient air.

Advantages

- Economical; annual savings of 25-35% can be achieved.
- Recommended for more comfort in very draughty places with high ceilings.
- Easy maintenance.
- Simple to control with a commercial or digital thermostat.
- Compared with electric infrared, natural gas infrared offers a wide power range, from 45,000 Btu/hr to 200,000 Btu/hr.
- Superior efficiency thanks to direct heating: no loss of heat through piping.
- No need for an electric current to distribute the heat.
- No air movements or stratification.
- Fast heating time, even in very high buildings.
- Quiet.

Applications

- | | |
|-------------------|--|
| • Arenas | • Warehouses |
| • Stations | • Supermarkets |
| • Body shops | • Aviation companies |
| • Gymnasiums | • Indoor tennis courts |
| • Car dealerships | • Animal farms |
| • Car Washes | • Practice fields (e.g. driving range) |
| • Churches | • Automobile garages |
| • Fire stations | • Assembly plants |

Financial assistance from Énergir*

- Appliance capacity from 0–99,000 Btu/hr: \$200 per appliance.
- Appliance capacity of 100,000 Btu/hr or more: \$500 per appliance.



List of manufacturers

Here is a non-exhaustive list of manufacturers.

- | | |
|-----------------|----------------------------|
| • Chore-Time | • Roberts-Gordon |
| • Infra-Save | • Schwank |
| • Modine | • Space Ray |
| • Omega II | • Sterling |
| • Re-Verber-Ray | • Superior Radiant Product |
| • Reflect-O-Ray | • Synergy |
| • Reznor | |

Selection criteria

Heating capacity:

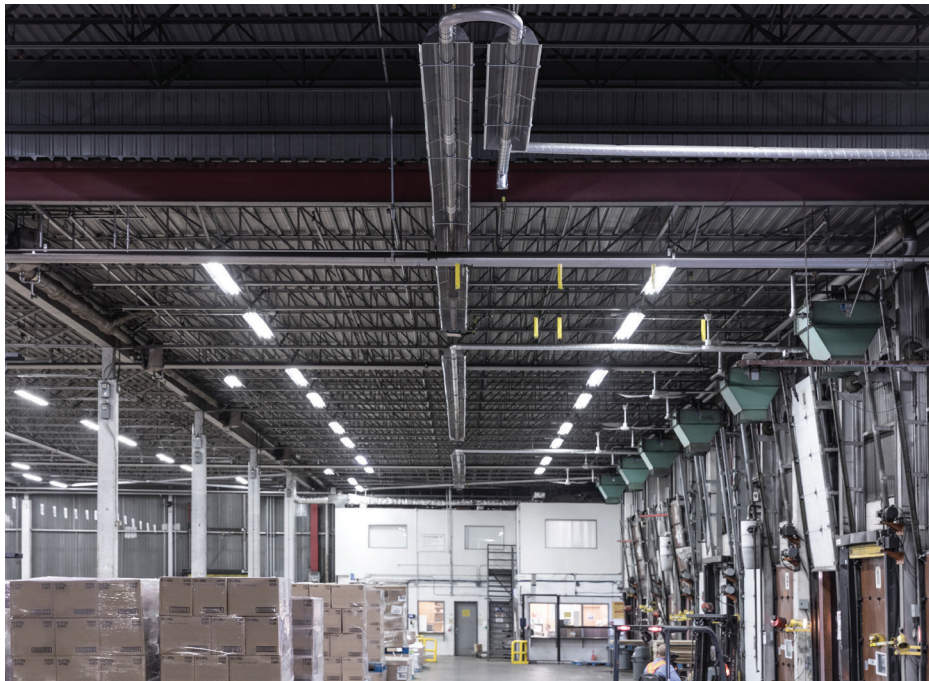
Type of building	Heating capacity	Installation cost ¹
Warehouse	25-35 Btu/h per ft ²	10 ¢/ft ²
Mechanical shop	40-60 Btu/h per ft ²	20 ¢/ft ²
Aircraft hangar	100-120 Btu/h per ft ²	40 ¢/ft ²

Combustion:

Sealed or non-sealed combustion.

Venting:

Combustion products are usually vented outdoors through flues. Venting may be indoors, given additional ventilation and control of carbon monoxide.



Installation standards

1. There is a minimum height to be respected, depending on the manufacturer.
2. Installation is not recommended in places where there are chlorine products, solvents or explosives.
3. Unless otherwise indicated, the combustion products must be vented outdoors. For more details, consult the manufacturer's Installation Guide.
4. Individual units may be installed in different ways, either in a straight line or in a U, depending on needs.
5. There are also vacuum systems with multiple burners.
6. Refer to the manufacturer's Guide.

* Certain conditions apply. The financial assistance is subject to change without prior notice.

¹ Parts and labour

These data are provided for guidance only. This Information Sheet is for general use and must not be considered advice. Please ask for assistance on the questions that concern you and do not rely only on the text in this Information Sheet.

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