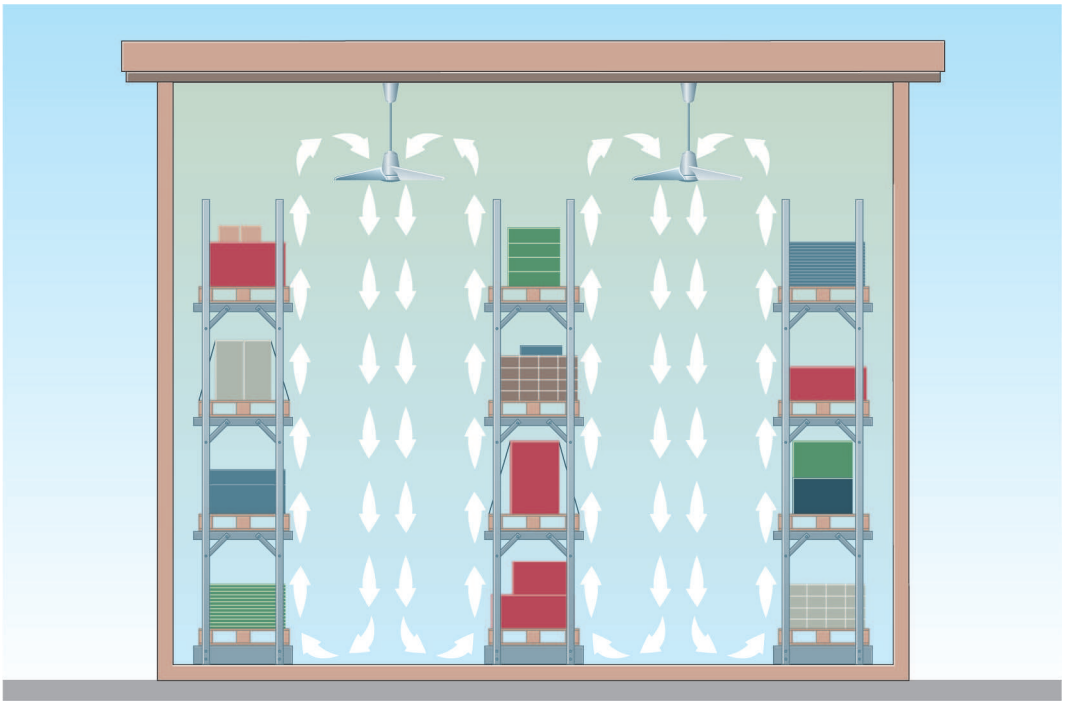
INSTALLATION INSTRUCTIONS

EC 140 B

Ceiling fans for air circulation in halls

- All kinds of halls are characterised by firstly a huge volume of air and secondly a thermal layering of that air. The warm air rises to below the ceiling and the cold air sinks to the ground.
- Ceiling fans ensure constant air circulation in rooms with high ceilings, commercial and industrial halls. This results in an even distribution of temperature, i.e. better use is made of heat in the winter and the room is cooled pleasantly in the summer.
- During the heating periods in particular the temperature near the ground can be increased by up to 4 K without additional energy costs with minimal power consumption in the ceiling fan.
- Ceiling fans are particularly well suited to the following applications:
  - Warehouses
  - Assembly and production halls
  - Sports halls and ice rinks
  - Drying plants.

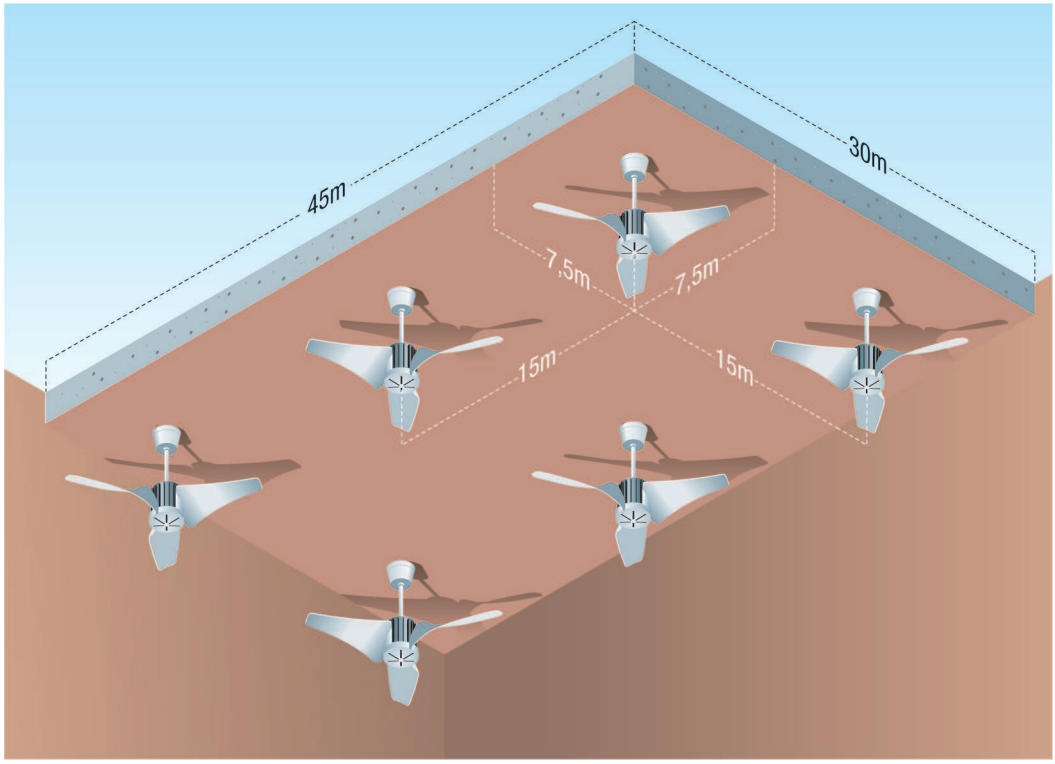


Installation advice for EC 90 B and EC 140 B ceiling fans

The diagram shows the recommended minimum spacing between several ceiling fans. Please bear in mind the following when fitting:

- In large rooms up to a height of 15 m, ceiling fans of type EC 140 B with a 1 m long fastening rod are recommended.
- Keep to the distances between the individual ceiling fans as indicated in the illustration.
- Do not mount ceiling fans directly above work areas.
- MAICO recommends controlling the ceiling fans as a group in rooms with different temperature areas, e.g. production halls and warehouses. To achieve this effect, groups of fans are controlled with an appropriate speed controller.

EC 140 B



Air flows with EC 140 B

- Flow ratios in a room of 10 m height.
- c_m= medium flow velocity.
- c_{max}= maximum flow velocity.