

ET 499.02

Cutaway model: semi-hermetic refrigerant compressor



Learning objectives/experiments

- layout and function of a semi-hermetic refrigerant compressor

Specification

- [1] cutaway model of a semi-hermetic refrigerant compressor
- [2] functionality of moving parts preserved

Technical data

Semi-hermetic compressor

- nominal speed: 1450min⁻¹
- number of cylinders: 2
- max. displaced volume: 3,96m³/h
- operating pressure max.: 28bar
- oil content: 0,65L

LxWxH: 365x235x280mm

Weight: approx. 41kg

Scope of delivery

- 1 cutaway model
- 1 description

Description

- **cutaway model of an industrial semi-hermetic refrigerant compressor**

The larger cutaway models are mounted on a base plate. Two handles aid transportation.

The cutaway models illustrate commercial components used in the field of refrigeration engineering, such as compressors, valves, driers and liquid separators.

The location of the cuts allow the design details to be clearly seen. A short description and a sectional view are included, so the models can also be used for technical drawing exercises.