

# ET 499.01

## Cutaway model: hermetic refrigerant compressor



### Learning objectives/experiments

- layout and function of a hermetic refrigerant compressor

### Specification

- [1] cutaway model of a hermetic refrigerant compressor
- [2] mounted on base plate
- [3] functionality of moving parts preserved

### Technical data

Single-cylinder compressor according to CECOMAF

- refrigerating capacity at 5/55°C: 592W
- power consumption at 5/55°C: 321W
- evaporating temperature range: -30...10°C
- displacement: 7,95cm<sup>3</sup>
- oil quantity: 450cm<sup>3</sup>
- max. refrigerant quantity: 900g
- free gas volume in compressor: 1350cm<sup>3</sup>

LxWxH: 300x300x240mm

Weight: approx. 12kg

### Scope of delivery

- 1 cutaway model
- 1 description
- 1 sectional view

### Description

#### ■ cutaway model of an industrial refrigerant compressor

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 allows 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.

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