

**Product Name :**  
Basic Refrigeration And Air Conditioning Training System

**Product Code :**  
RAC0002



### Description :

Basic Refrigeration And Air Conditioning Training System

### Technical Specification :

The Basic Refrigeration And Air Conditioning Training System main components are compressor, condenser and receiver plus electrical and communications systems.

The models are plugged onto the base unit and connected hydraulically with refrigerant hoses and electrically with cables.

Self-sealing couplings reduce the refrigerant loss to a minimum.

All components are arranged well visible to allow their operation to be monitored.

The modern and powerful software is an integral part of the training system in the form of hardware/software integration (HSI).

It enables the comfortable execution and analysis of the experiments.

Temperatures and pressures in the system are recorded by sensors and displayed dynamically in the software for system operation and data acquisition.

The experimental unit is connected to the PC via a USB interface.

#### FEATURES:

Fundamentals of the refrigeration cycle

Fundamentals of air conditioning

Components in a refrigeration system/air conditioning system

System operation

Fault finding

Base unit for the setup of basic experiments in refrigeration and air conditioning technology

#### SPECIFICATIONS:

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Condensing unit  
Refrigeration capacity: 340W at 0/32°C  
Receiver: 0,7L  
Refrigerant currently available in the market  
Filling volume: 700g  
CO2-equivalent: 0,4t  
Measuring ranges :  
Temperature: 1x -50...50°C, 3x 0...100°C  
Pressure :  
1x intake side: -1...9bar  
2x delivery side: -1...15bar  
Required for operation :  
230V, 50Hz, 1 phase  
230V, 60Hz, 1 phase

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