ET 605 RECIRCULATING AIR CONDITIONING TRAINER... ...PLUS AUTOMATION SOLUTIONS
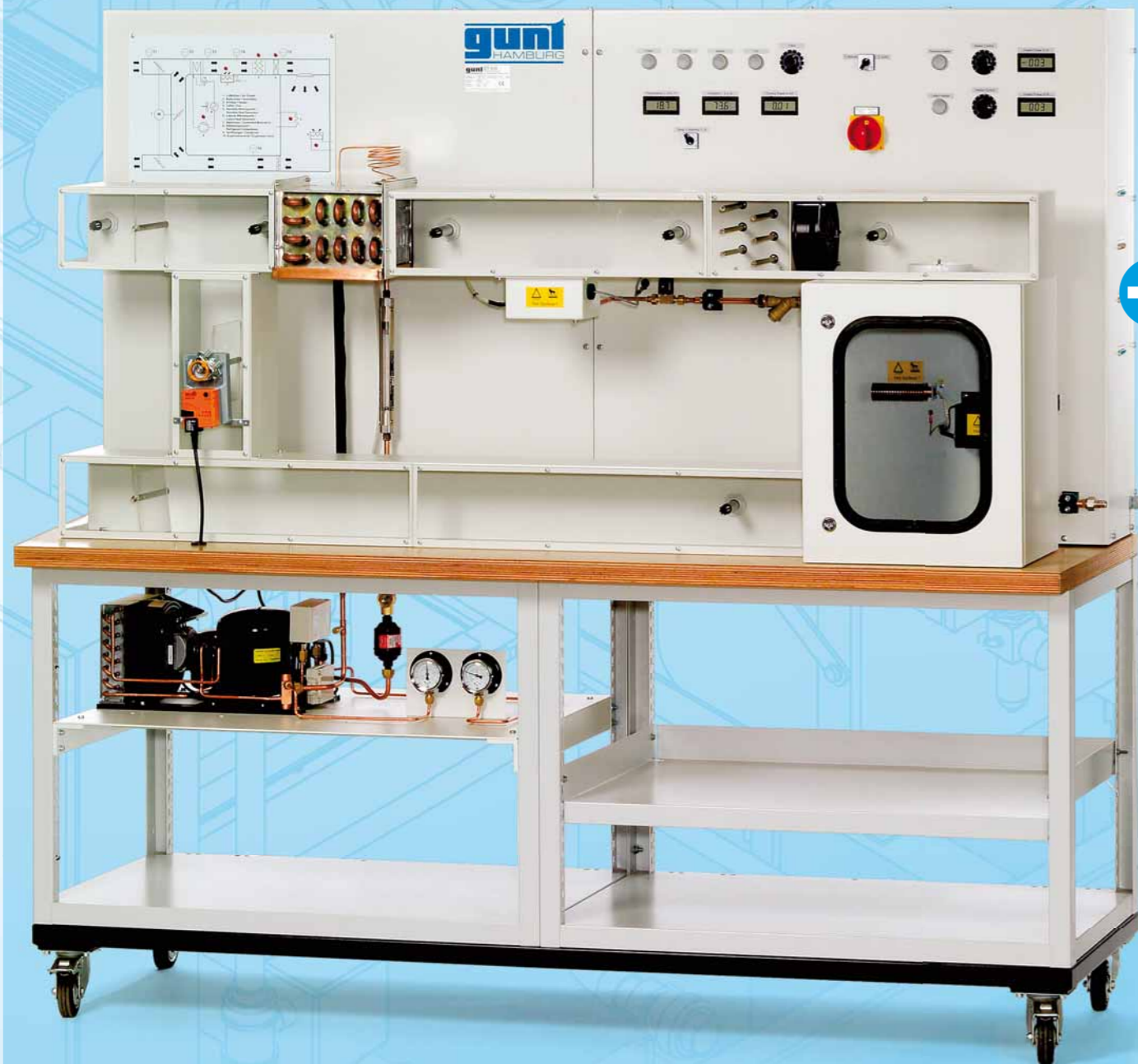
A practical model air conditioner with all elements and functions

The basics of air conditioning can be ideally imparted using the model ET 605. The air conditioning system consists of a transparent ventilation duct and a climatic chamber with two different heating loads. The overall arrangement of the system is oriented towards teaching and a methodical approach, thereby supporting the learning process.

The main functions of the system – cooling, heating, humidifying, air movement – are activated and deactivated using switches. Recirculation mode and fresh air mode are available. All relevant measured data can be read from digital displays.

A major extension of the learning spectrum is achieved by the facility to link the system to different control systems so as to become a fully automated system.
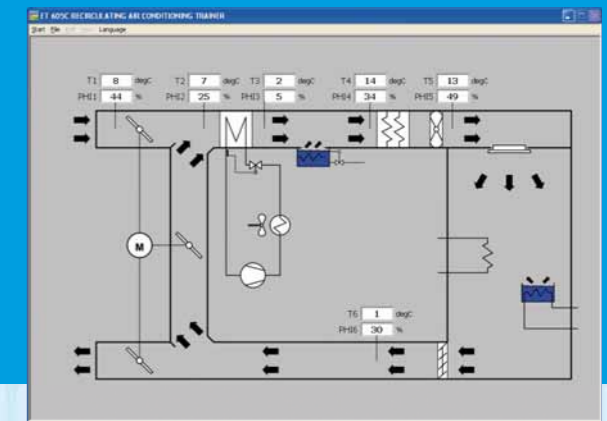
THE SOFTWARE SOLUTION: DEMONSTRATIVE AND VERSATILE

ET 605.01 PC DATA ACQUISITION WITH SOFTWARE CONTROLLER

Data acquisition and visualization, controlling and operating within a software solution

This solution is recommended if teaching and methodical criteria are the main consideration. Compared with an industrial controller the software offers an attractive and very demonstrative representation of the air conditioning process.

THE INDUSTRIAL SOLUTION

ET 605.02 HVAC SYSTEM CONTROLLER

This automation solution is recommended if exact familiarization with a conventional industrial air conditioning controller is the main consideration. The controller available for the ET 605 system has a wide functional scope and a graphical display. It activates the components in the climatic chamber in accordance with the desired temperature and humidity.

THE RIGHT TOOL FOR DEVELOPERS AND INNOVATORS

ET 605.03 I/O CONNECTION BOX

This solution is recommended if the topic of automation is the main consideration and trainees are expected to work out their own solutions. The connection box offers facilities for all relevant input and output signals. These signals can then be processed by the user in whatever way he chooses. For instance the system can be linked to any industrial air conditioning controller or to software written by the user.