

SPLIT AIR CONDITIONING TRAINER 817



Year 1
study

Features

- A Split Air Conditioning System with Reverse Cycle (Heat Pump) Capability.
- Clear-View Panels Allow the Main Components to be Safely Examined by Students.
- Supplied Panel Mounted and Fully Charged for Student Evaluation and examination.
- Safe and Suitable For Unsupervised Student Operation.
- Detailed Instruction manual.

Description

When initially training students in the fault finding and repair of air conditioning systems, difficulties can be experienced when evaluating a standard commercial unit. This is due to the fact that commercial systems are necessarily compact, of basic design and thermally insulated. The Hilton Model 817 with its open but fully operational format ensures that both the Trainer and the Trainee are able to study the major air conditioning parts and components on a working system and promotes a clear understanding of Air Conditioning Systems and in particular the reverse cycle operation of air conditioning systems for heating purposes. The 817 Split Air Conditioning Trainer is mounted on a metal frame with high pressure and low pressure gauges connected to the two halves of the system. It consists of a small "split type" Air Conditioning unit with reverse cycle (Heat pump type heating) capability that is ready for immediate operation. The system pressure gauges, thermocouples and a multi-point digital temperature indicator allow both air conditioning and reverse cycle (heat pump) operation to be observed and more easily understood. When the system is switched from normal (air conditioning/cooling mode) to reverse cycle the system pressures can be seen to reverse along with many of the system temperatures. The compressor, reversing valve, and suction return vessel together with the basic expansion devices for both cooling and heat pump (reverse cycle) operation are clearly visible. Integral safety devices ensure safe operation even by inexperienced students.

Related Laws/Applications

- Air conditioning systems
- Reverse cycle
- Practical training
- Refrigeration

Technical Specification

- Refrigerant: Environment friendly and non-toxic.
- Cooling power input: nominal 820W
- Heating power input: nominal 870W
- CoP: Nominal 2.5 to 3

Recommended Ancillaries

- Whirling Hygrometer

What's in the Box?

- 1 x 817
- 1 x Remote control unit
- 1 x Drain hose extension
- Instruction manual
- Packing list
- Test sheet
- 1 x Power lead

Weights & Dimensions

- Weight: 50 kg
- Length: 800mm
- Width: 500mm
- Height: 1070mm

Essential Services

- 10 Amp, 220-240 Volts, Single Phase, 50Hz (With earth/ground).
- 20 Amp, 110-120 Volts, Single Phase, 60Hz (With earth/ground).

Ordering information

To order this product, please call PA Hilton quoting the following codes:

817/230

817/115

All brand and/or product names are trademarks of their respective owners. Specifications and external appearance are subject to change without notice. The colour of the actual product may vary from the colour shown in the brochure.

Copyright © 2018 P.A. Hilton Limited. All rights reserved. This technical leaflet, its contents and/or layout may not be modified and/or adapted, copied in part or in whole and/or incorporated into other works without the prior written permission of P. A. Hilton Limited. Hi-Tech Education is a registered trade mark of P. A. Hilton Limited.

COUNTRY OF ORIGIN - UK WARRANTY PERIOD - 5 YEARS