

**SPLIT AIR CONDITIONER TRAINER**

Model Number : GOTT-SACT-20

**DESCRIPTION**

The Split Air Conditioner Trainer has been designed to explain and demonstrate the working principles of an air-conditioning system. It is mounted in an enamel-coated steel frame angle. All the components which are used in GOTT-SACT-20 are original air-conditioning components by Industrial standard manufacturers. The basic system comprises a compressor, condenser (divided into two sections), expansion device, digital temperature indicator with three PT 100 sensors (measuring condenser, evaporator and cabinet temperature), dryer unit, sight glass, and three pressure / suction gauges.

This refrigerant that used does not contain chlorine which damages the Earth's ozone layer of the Earth, minimal damage to our environments.

- High efficiency compressor (Highly efficient and compact)
- New W-fin condenser (Highly efficient and compact)
- Components Redesigned (Heat exchanger, various joints, compressor and ETC.) for high pressure (Burst rupture pressure 1.6 times).
- Optimum refrigerant circuit for heat exchanger

**FEATURES**

- Actual Air-con simulation
- Comprehensive metering allows measurements of various parameters for experimentation
- High quality industrially accepted component
- Robust and Durable and mobile design
- Bold color identification of circuits
- Comprehensive metering & control functions
- Designed to simulate common faults
- Detailed instruction & experiment manual
- Maximum safety with minimum supervision CFC-Free Unit

**PRODUCT SPECIFICATION**

The electrical control box contains an isolator / circuit breaker, voltmeter, ammeter, temperature zone selector switch and status indicators for the compressor.

**GENERAL SPECIFICATION**

Control Modes	Normal mode & Fault mode
Operating Conditions	0 to 45°C, 85% or Less (R.H.)
Input Power	AC 240V, 50/60Hz 1-Phase

**COMPONENTS**

- Air Conditioner Unit (Indoor unit)
- Condenser Unit (Outdoor unit)
- Compressor Unit
- Sight Glass
- Filter Drier
- Capillary Tube
- H/L Pressure Switch
- Hot Gas Pressure Gauge Meter
- Liquid Pressure Gauge Meter
- Suction Pressure Gauge Meter
- Voltmeter
- Ammeter
- Temperature Meter

**ACCESSORIES**

- Connection cable
- Experiment manual
- Refrigerant R22
- Gas checking gauges set

**EXPERIMENT TOPICS:**

- Study of a typical air-conditioning cycle
- Explain and demonstrate airflow and refrigerant flow in the system
- Become familiar with the components used in the system
- Understanding the influence and different control settings on the unit
- Measurement of temperature in the system
- Measurement of pressure in the system
- Control of airflow
- Logical trouble-shooting of various faults

**Manuals :**

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

**General Terms:**

- (1) Accessories will be provided where applicable.
- (2) Manuals & Training will be provided where applicable.
- (3) Designs & Specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

**Warranty :**

2 Years

**ORDERING INFORMATION :**

ITEM	MODEL NUMBER	CODE
SPLIT AIR CONDITIONER TRAINER	GOTT-SACT-20	577-628

\* Proposed design only, subject to changes without any notice.