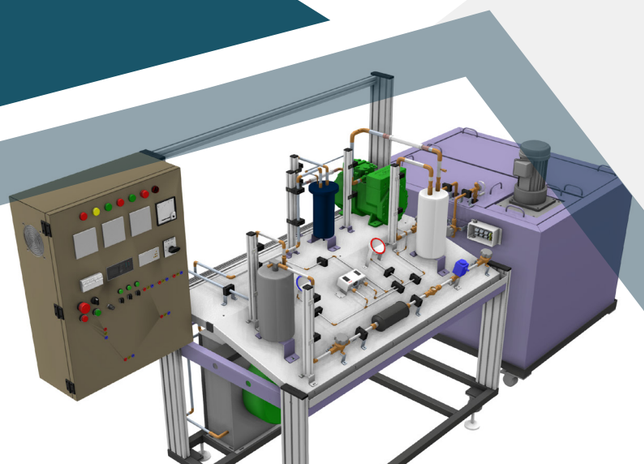
ETEK
TOTAL AUTOMATION SOLUTIONS



CONTACT US:

Hanoi Head Office: No. 189 Phan Trong Tue Street,
Thanh Liet Commune,Hanoi City.

Ho Chi Minh City Branch: No. 1 Le Duc Tho,
Tan Thoi Hiep Ward,Ho Chi Minh City.

Hotline: +84965 800 166 (Call, Zalo, Whatsap)

Email: info@etek.com.vn

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2025

Training Equipment

REFRIGERATION

ETEK Automation Solutions

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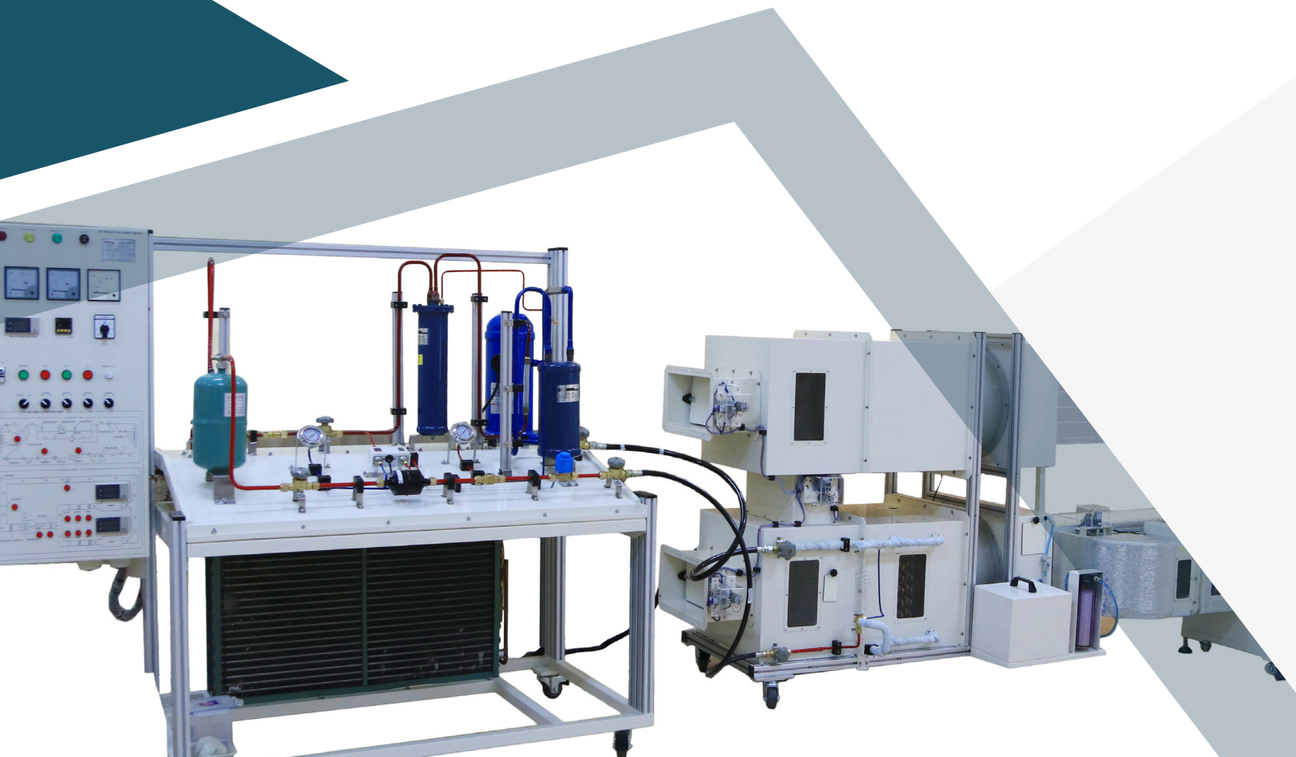
REFRIGERATION PRINCIPLES

MODULE	CODE
REFRIGERATION PRINCIPLES TRAINING KIT	ST.RF.A0100
REFRIGERATION SYSTEM MODEL	ST.RF.A0200
MODEL OF ELECTRICAL COLD SYSTEM EXPANSION UNIT	ST.RF.A0300
COMPRESSOR MODEL	ST.RF.A0400
BASIC REFRIGERATION PRACTICE KIT WITH WATER-COOLED CONDENSER	ST.RF.A0014
INDUSTRIAL REFRIGERATION PRACTICE KIT	ST.RF.A0045
COMMERCIAL REFRIGERATION PRACTICE KIT WITH DUAL APPLICATION	ST.RF.A0046



DOMESTIC REFRIGERATION

MODULE	CODE
DIRECT COOLING REFRIGERATOR SYSTEM TRAINING MODEL	ST.RF.B010
INDIRECT COOLING REFRIGERATOR SYSTEM TRAINING MODEL	ST.RF.B0200
BASIC REFRIGERATION MODEL WITH TUBULAR HEAT EXCHANGER	TPAL.E0210
TWO CLUSTER AIR CONDITIONER MODE	ST.RF.B0300
2-WAY AIR CONDITIONER TYPE	ST.RF.B0400
EXPANDED MODEL OF A SINGLE - DIRECTION MULTI-TYPE AIR CONDITIONING UNIT	ST.RF.B0500
MINI ICE PRODUCTION MODEL	ST.RF.B0600
COMMERCIAL FREEZER MODEL	ST.RF.B0700

INDUSTRIAL REFRIGERATION

MODULE	CODE
INDUSTRIAL COLD STORAGE MODEL	ST.RF.C0100
BLOCK ICE PRODUCTION MODEL	ST.RF.C0200
MINI ICE CUBE PRODUCTION MODEL	ST.RF.C0300
CONTACT FREEZER MODEL	ST.RF.C0400
WIND FREEZER MODEL	ST.RF.C0500

CENTRAL AIR CONDITIONING

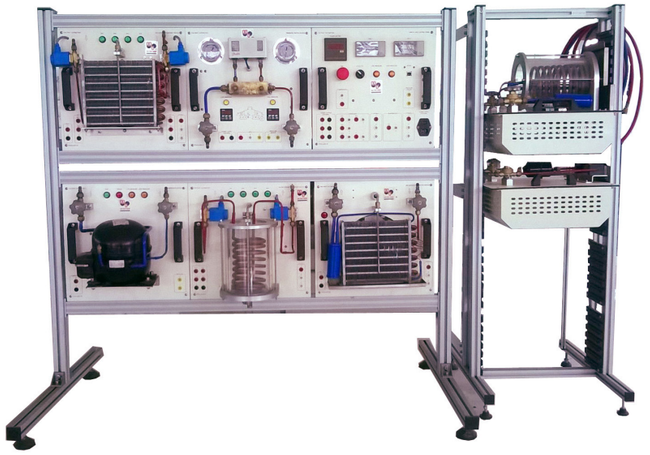
MODULE	CODE
CENTRAL AIR CONDITIONING SYSTEM MONITORING DESK BMS	TPAD.B4936
MODEL OF CENTRAL AIR CONDITIONING SYSTEM WATER CHILLER WATER COOLING	ST.RF.D0200
VRV CENTRAL AIR CONDITIONING SYSTEM SPREAD MODEL	ST.RF.B010
MODEL OF AHU GAS CENTRAL AIR CONDITIONING SYSTEM	ST.RF.D0300

ETEK
TOTAL AUTOMATION SOLUTIONS

ST.RF.A0100 REFRIGERATION PRINCIPLES TRAINING KIT

TECHNICAL SPECIFICATIONS

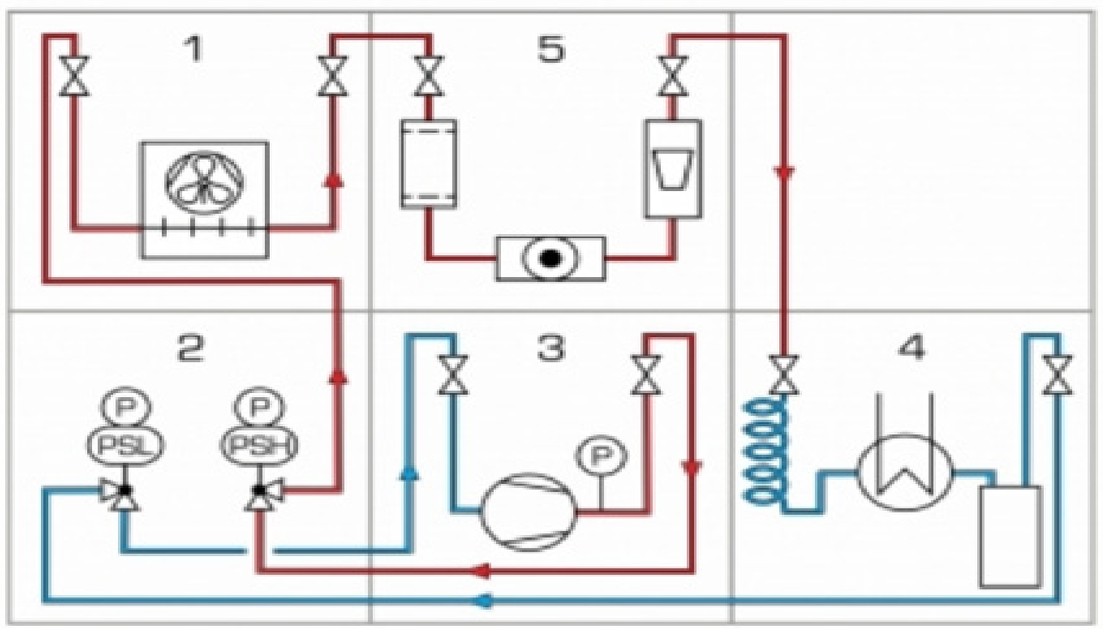
- Dimensions: 810x2000 mm
- Technical Specifications:
  + Input voltage: 220V
  + Power: 1/4 Hp
  + Frequency: 50/60Hz
- Model Features:
  + Independent modular design mounted on an aluminum profile frame.
  + Modules can be easily attached or detached from the standard mounting frame.
  + Instructional diagrams are printed on the module surface using durable film printing, ensuring aesthetics and long-lasting usability.



TRAINING CONTENT

- Understand the components of a basic refrigeration system.
- Learn about the state changes of refrigerant gas in the cycle.
- Evaluate key system parameters.
- Assemble and operate different refrigeration circuits: air-cooled, water-cooled, and heat pump.
- Vacuum the system and charge refrigerant gas.

TECHNOLOGY DIAGRAM



REFRIGERATION PRINCIPLES

ST.RF.A0200 REFRIGERATION SYSTEM MODEL

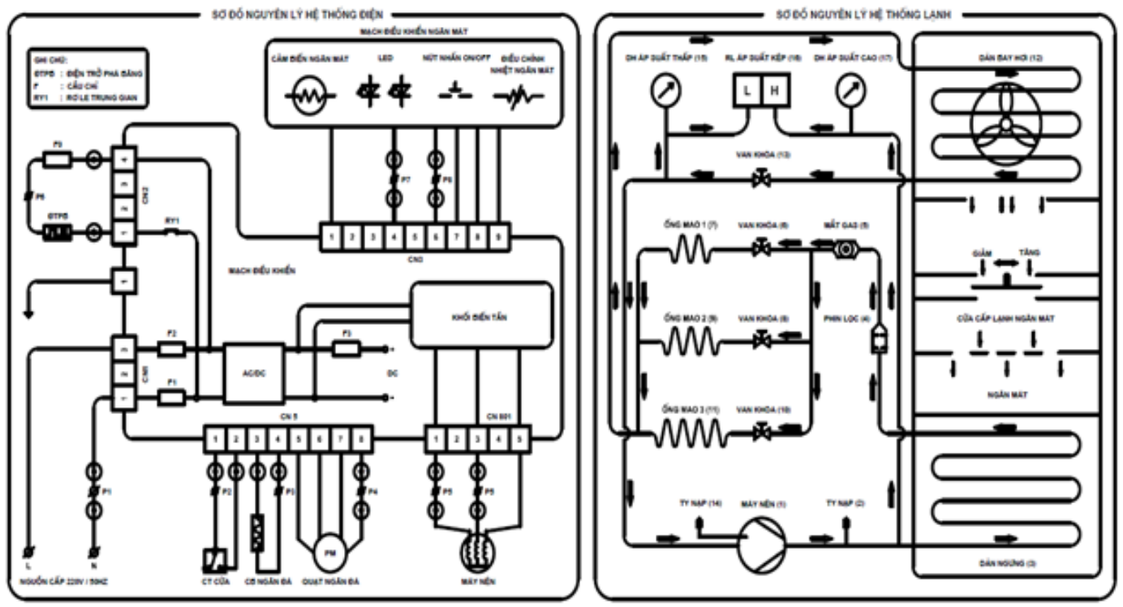
TECHNICAL SPECIFICATIONS

- Technical Specifications:
  + Input voltage: 220V
  + Power: 1/4 Hp
  + Frequency: 50/60Hz
- Model Features:
  + Independent modular design mounted on an aluminum profile frame.
  + Modules can be easily attached or detached from the standard mounting frame.
  + Instructional diagrams printed on the module surface using durable film printing, ensuring aesthetics and long-lasting usability.

TRAINING CONTENT

- Understand the structure and principles of an indirect cooling refrigeration system.
- Learn the principles of electrical systems.
- Wire electrical circuits and perform measurements.
- Practice refrigerant charging and operate the model.
- Calibrate capillary tube balance.
- Troubleshoot and repair electrical circuits.
- Troubleshoot and repair refrigeration circuits.

TECHNOLOGY DIAGRAM



TPAL.E0210 BASIC REFRIGERATION MODEL WITH TUBULAR HEAT EXCHANGER

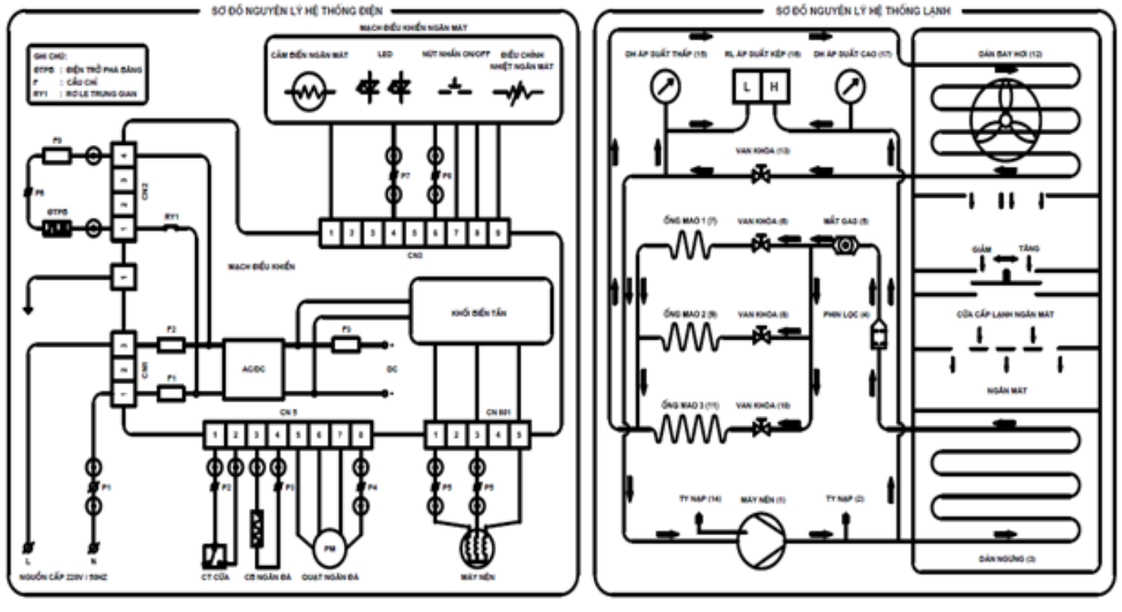
TECHNICAL SPECIFICATIONS

- Bracket assembly:
  + Dimensions: 960x700x945 mm (LxWxH).
  + CT3 material, electrostatic paint.
  + Bracket with 4 legs to ensure firmness.
  + Integrated power indicator light.
  + Bracket surface made of 12mm thick HPL material.
- Compressor unit:
  + Type: Danfoss hermetic compressor
  + Operating voltage: 220VAC/50Hz.
  + Capacity: 1/2 Hp.
  + Refrigerant: R134a
- Compressor unit:
  + Operating voltage: 220VAC/50Hz.
  + Capacity: 1HP.

TRAINING CONTENT

- Introduce the equipment, get acquainted with components and refrigeration cycle.
- Draw P-H diagram.
- Balance energy at evaporator and condenser.
- Calculate overall heat transfer coefficient for evaporator and condenser.
- Comment on the impact of load change.

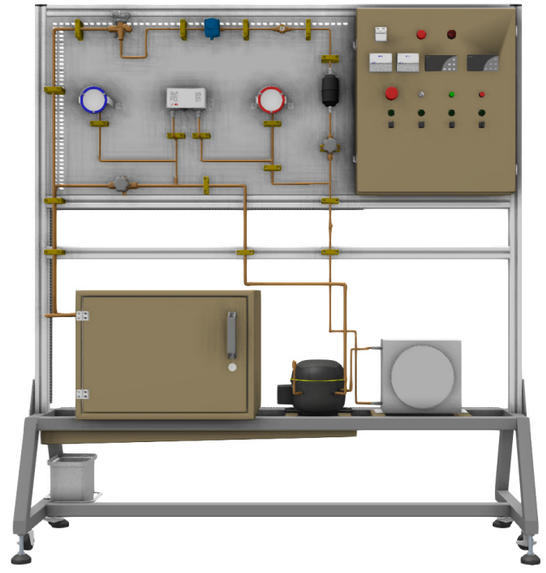
TECHNOLOGY DIAGRAM



ST.RF.A0300 MODEL OF ELECTRICAL COLD SYSTEM EXPANSION

TECHNICAL SPECIFICATIONS

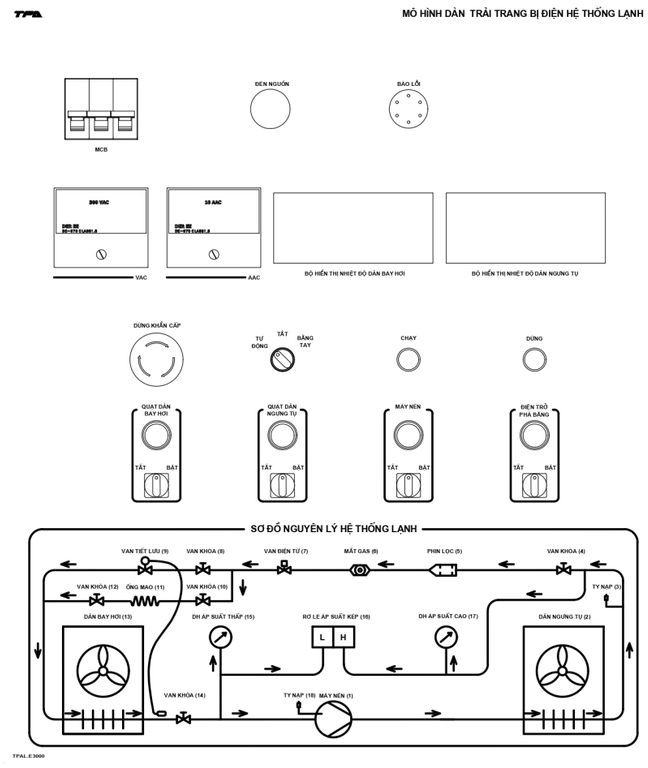
- Technical Specifications:
  + Input voltage: 220V
  + Power: 1/4 Hp
  + Frequency: 50/60Hz
- Model Features:
  + Equipment is arranged on a perforated panel mounted on an aluminum profile frame.
  + Gas piping in the model is color-coded, allowing students to observe and identify the cycle and state of the gas circulating in the system.



TRAINING CONTENT

- Practice and understand the automation electrical devices used in refrigeration systems, along with their functions and roles in the system.
- Operate the refrigeration system.

TECHNOLOGY DIAGRAM



ST.RF.A0400 COMPRESSOR MODEL

TECHNICAL SPECIFICATIONS

- Technical Specifications:
  + Input voltage: 220V
  + Power: 1/4 Hp
  + Frequency: 50/60Hz
- Model Features:
  + Independent modular design mounted on an aluminum profile frame.
  + Modules can be easily attached or detached from the standard mounting frame.
  + Instructional diagrams printed on the module surface using durable film printing, ensuring aesthetics and long-lasting usability.

TRAINING CONTENT

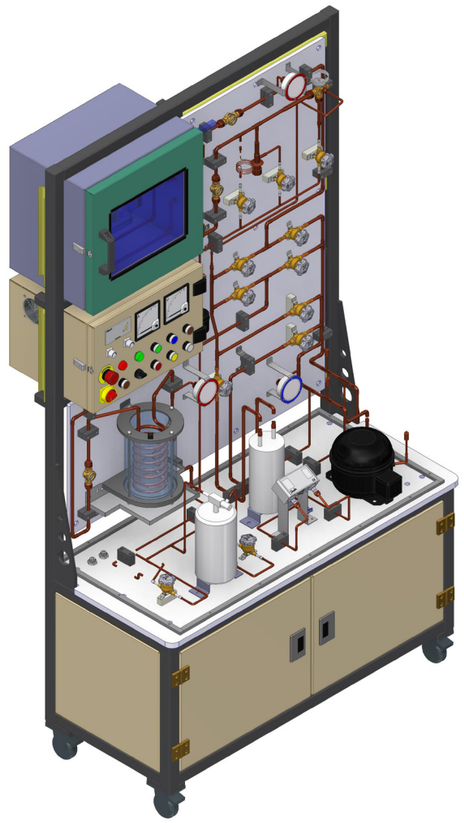
- Classify the types of compressors commonly used in refrigeration systems.
- Observe the internal structure and understand the working principles of each type of compressor in the model.

REFRIGERATION PRINCIPLES

ST.RF.A0014 BASIC REFRIGERATION PRACTICE KIT WITH WATER_COOLED CONDENSER

TECHNICAL SPECIFICATIONS

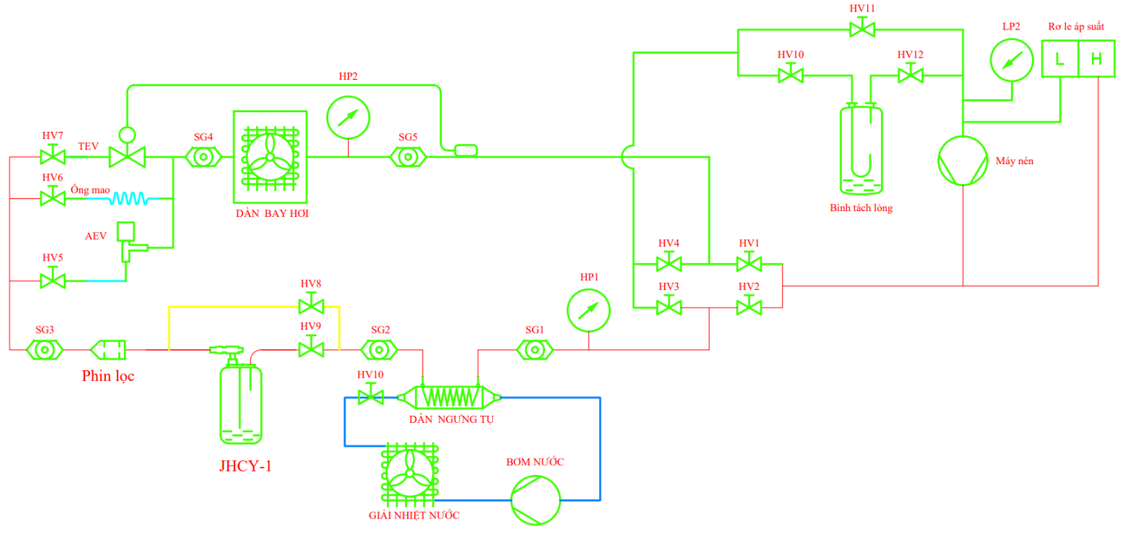
- Power Supply: Single-phase 220VAC, 50 Hz
- Hermetic piston compressor: Power: 1/4 Hp
- High-pressure gauge: Display range: 0~500PSI
- Low-pressure gauge: Display range: 0~500PSI
- Temperature gauge: Measurement and control range: -50°C to +50°C



TRAINING CONTENT

- Understand the operating principles of a basic refrigeration system
- Study the thermodynamic cycle of refrigerant gas circulating in the system
- Observe pressure changes within the system

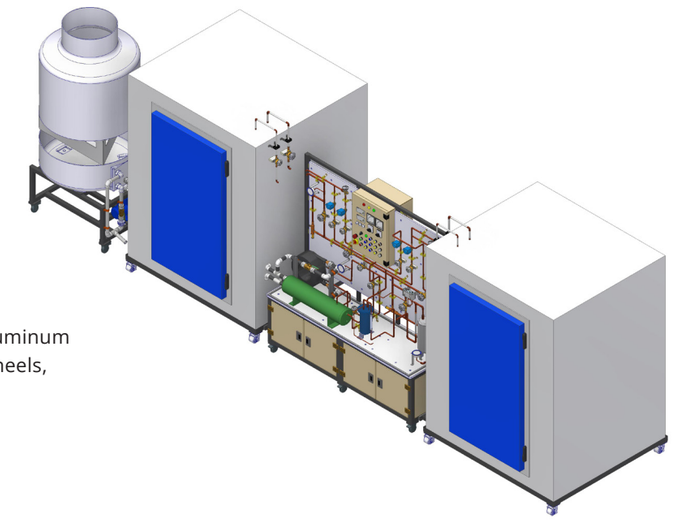
TECHNOLOGY DIAGRAM



ST.RF.A0045 INDUSTRIALREFRIGERATION PRACTICE KIT

TECHNICAL SPECIFICATIONS

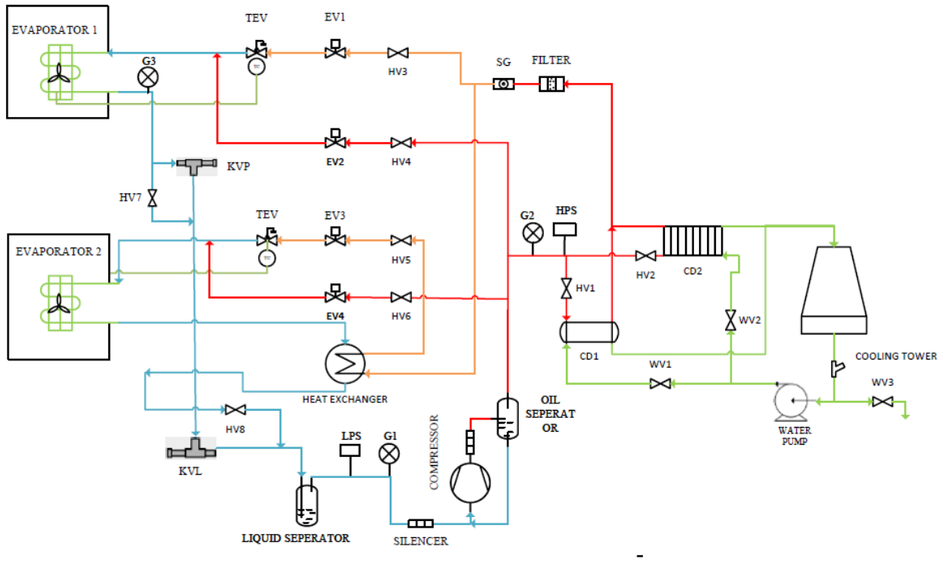
- The model is divided into two main clusters: Cooling Tower Cluster and Equipment Table Cluster.
  - Cooling Tower Cluster:
  + Cooling tower frame:
- Designed using 40x40x2 mm steel tubing with electrostatic coating.
  + Water-cooled cooling tower:
- Cooling capacity: 39,000 Kcal/h
- Water flow rate: 130 l/min
  + Water pump:
- Power supply: 220 VAC
- Power: 125 W
  - Equipment Table Cluster:
- Equipment cluster: Designed on an anodized aluminum profile frame, movable with 4 lockable caster wheels, and equipped with adjustable leveling feet.
  + Condenser unit:



TRAINING CONTENT

- Understand the refrigeration principles of an industrial refrigeration system
- Identify the basic components of an industrial refrigeration system
- Practice programming industrial refrigeration systems using PLCs.
- Practice installation, operation, maintenance, repair, measurement, and evaluation of the system.
- Analyze electrical and refrigeration faults.
- Practice refrigerant charging for the system

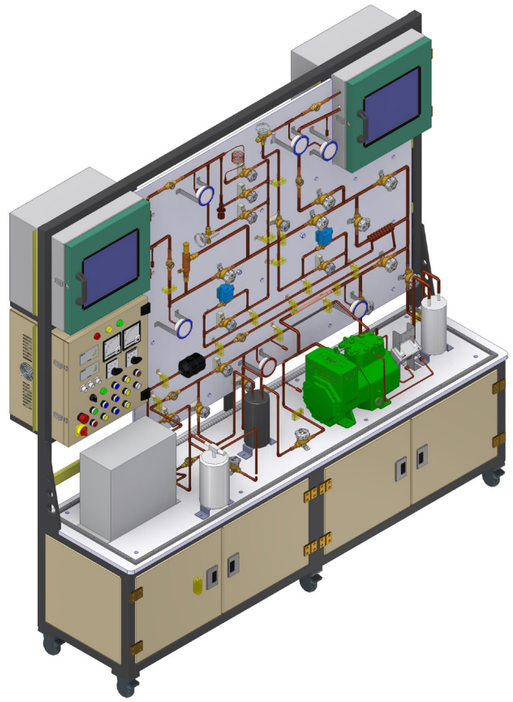
TECHNOLOGY DIAGRAM



ST.RF.A0046 COMMERCIAL REFRIGERATION WITH DUAL APPLICATION

TECHNICAL SPECIFICATIONS

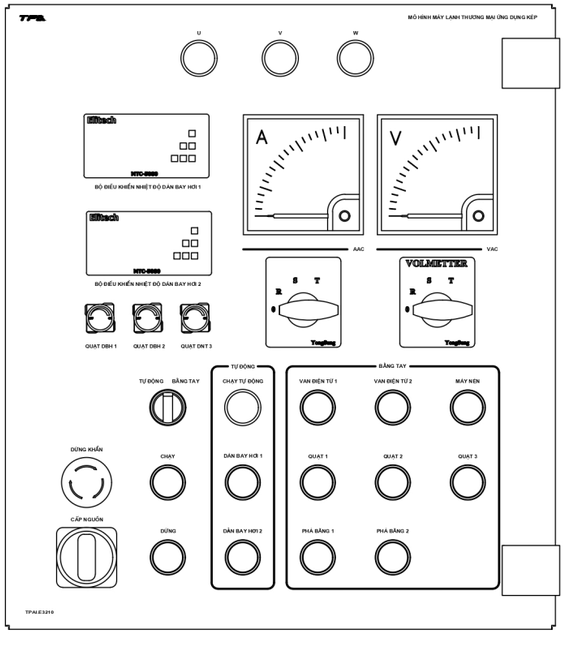
- Power Supply: Single-phase 220VAC, 50Hz
- Model Frame:
  + Equipment is installed on a CT3 steel frame with electrostatic coating.
  + Equipped with 4 leveling feet and caster wheels for easy mobility.
- Compressor: Cooling capacity of 1640W at -10/500
- Condenser with fan: Airflow rate: 570 m^3/h



TRAINING CONTENT

- Understand the refrigeration principles of a commercial refrigeration system.
- Identify the basic components of a commercial refrigeration system.
- Practice programming to control the commercial refrigeration system.
- Practice installation, operation, maintenance, repair, measurement, and system evaluation.
- Analyze electrical and refrigeration faults.

TECHNOLOGY DIAGRAM



DOMESTIC REFRIGERATION

ST.RF.B0100 DIRECT COOLING REFRIGERATOR SYSTEM TRAINING MODEL

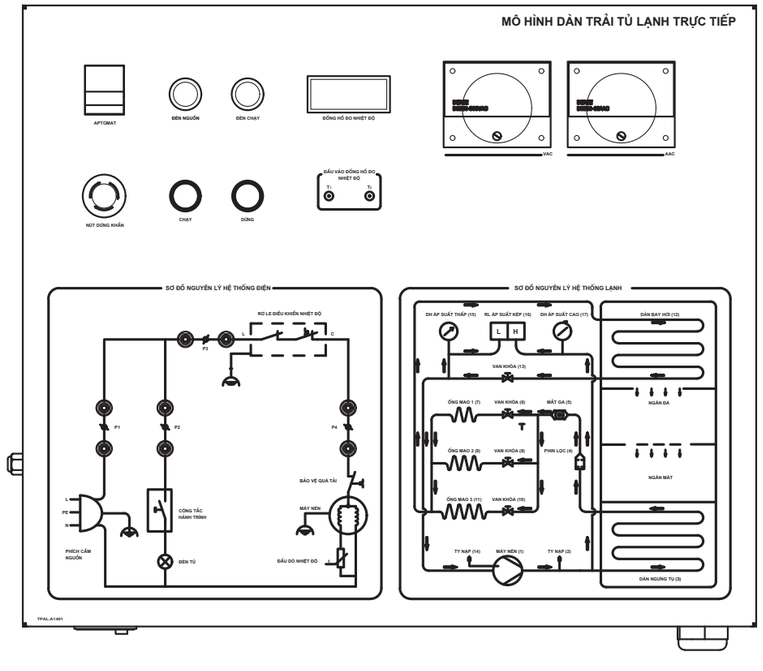
TECHNICAL SPECIFICATIONS

- Power Supply: Single-phase 220VAC, 50Hz
- Frame: CT3 steel with electrostatic coating for aesthetics and scratch resistance
- Instructional diagrams: Printed on the module surface using durable film printing, ensuring aesthetics and long-lasting usability
- Gas piping system: Color-coded to help students observe and identify the cycle and state of the refrigerant gas circulating within the system

TRAINING CONTENT

- Understand the structure and principles of a two-way air conditioning refrigeration system
- Learn the principles of the electrical system
- Wire electrical circuits and perform measurements
- Practice vacuuming and charging refrigerant gas
- Operate the model in both heating and cooling modes
- Troubleshoot and repair electrical and refrigeration circuits (e.g., refrigerant overcharge or undercharge, faulty reversing valve, etc.)
- Diagnose faults using the remote control

TECHNOLOGY DIAGRAM



DOMESTIC REFRIGERATION

ST.RF.B0200 INDIRECT COOLING REFRIGERATOR SYSTEM TRAINING MODEL

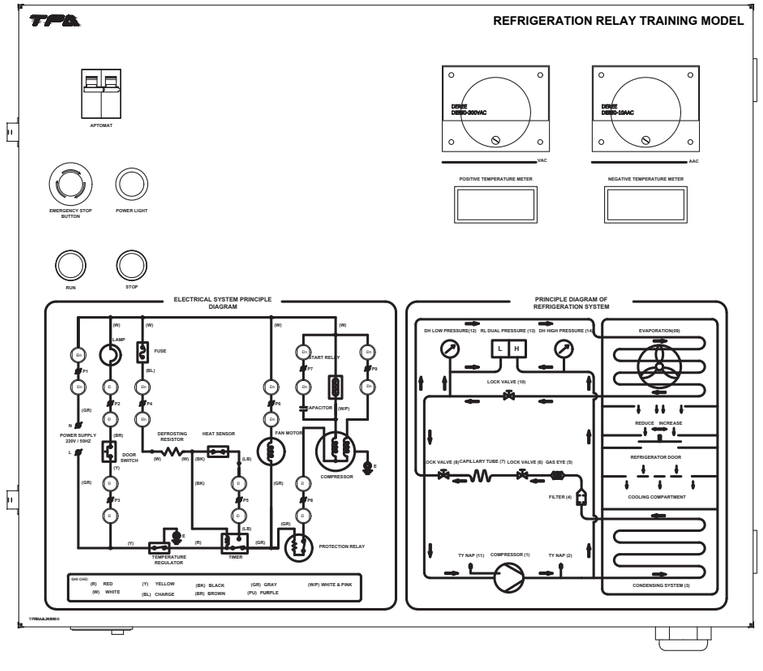
TECHNICAL SPECIFICATIONS

- Power Supply: Single-phase 220VAC, 50Hz
- Frame: CT3 steel with electrostatic coating for aesthetics and scratch resistance
- Instructional diagrams: Printed on the module surface using durable film printing, ensuring aesthetics and long-lasting usability
- Gas piping system: Color-coded to help students observe and identify the cycle and state of the refrigerant gas circulating within the system

TRAINING CONTENT

- Understand the structure and principles of a one-way, two-unit air conditioning refrigeration system
- Learn the principles of the electrical system
- Wire electrical circuits and perform measurements
- Practice refrigerant charging, operating the model, and measuring operating parameters
- Troubleshoot and repair electrical circuits
- Troubleshoot and repair refrigeration circuits
- Retrieve error codes using the air conditioner remote

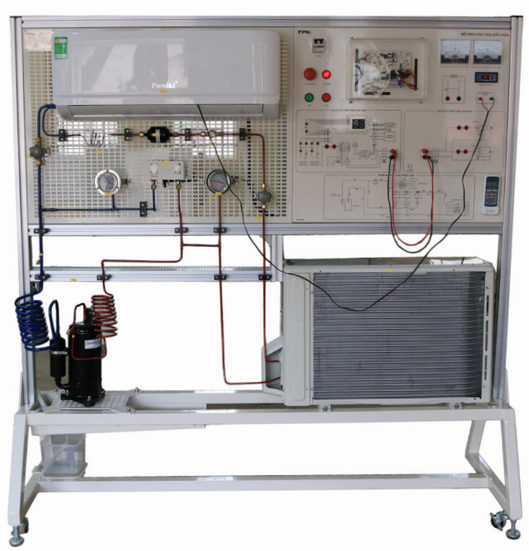
TECHNOLOGY DIAGRAM



ST.RF.B0300 EXPANDED AIR CONDITIONING UNIT MODEL

TECHNICAL SPECIFICATIONS

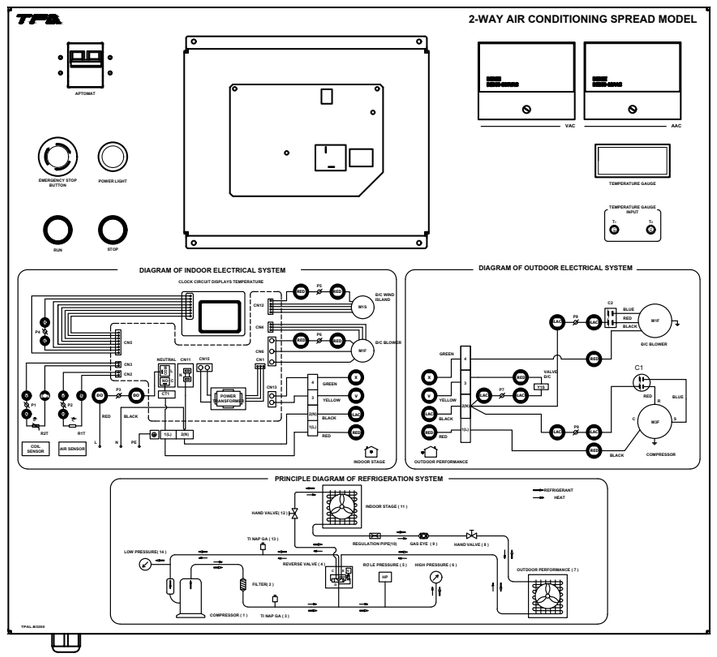
- Power Supply: Single-phase 220VAC, 50Hz
- Model Frame:
  + Equipment is installed on a CT3 steel frame with electrostatic coating.
  + Equipped with 4 leveling feet and caster wheels for easy mobility.
- Air Conditioner:
  + Capacity: 12,000 BTU
  + Remote Control: Yes
  + Type: Two-way wall-mounted air conditioner



TRAINING CONTENT

- Understand the structure and principles of a two-way air conditioning refrigeration system
- Learn the principles of the electrical system
- Wire electrical circuits and perform measurements
- Practice vacuuming and charging refrigerant gas
- Operate the model in both heating and cooling modes
- Troubleshoot and repair electrical and refrigeration circuits (e.g., overcharge or undercharge of refrigerant, faulty reversing valve, etc.)
- Diagnose faults using the remote control

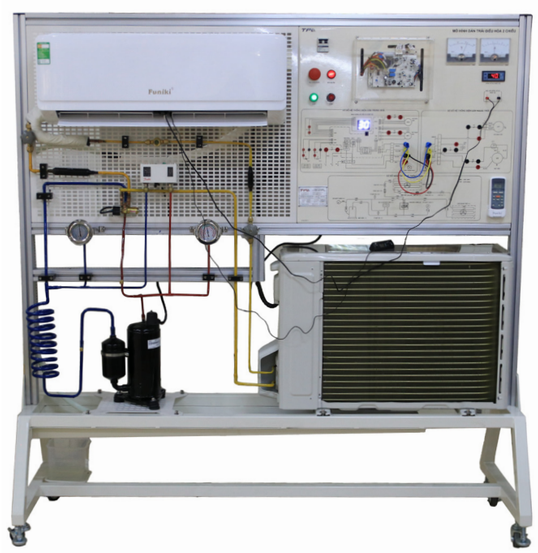
TECHNOLOGY DIAGRAM



ST.RF.B0400 MODEL OF 2-WAY INVERTER AIR CONDITIONER

TECHNICAL SPECIFICATIONS

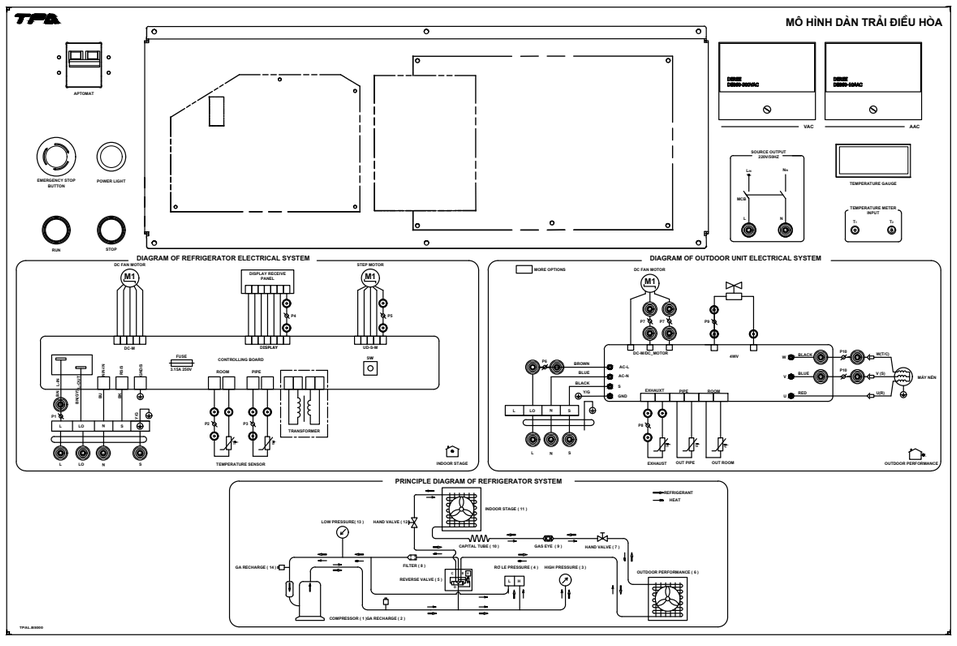
- Power Supply: Single-phase 220VAC, 50Hz
- Model Frame:
  + Equipment is installed on a CT3 steel frame with electrostatic coating.
  + Equipped with 4 leveling feet and caster wheels for easy mobility.
- Air Conditioner:
  + Capacity: 9,000 BTU
  + Remote Control: Yes
  + Type: Wall-mounted 2-way INVERTER air conditioner



TRAINING CONTENT

- Understand the structure and principles of a two-way air conditioning refrigeration system
- Learn the principles of the electrical system
- Configure parameters for the air conditioner
- Practice vacuuming and charging refrigerant gas
- Operate the model and run various indoor unit modes
- Troubleshoot and repair electrical and refrigeration circuits
- Read and resolve errors using the remote control

TECHNOLOGY DIAGRAM

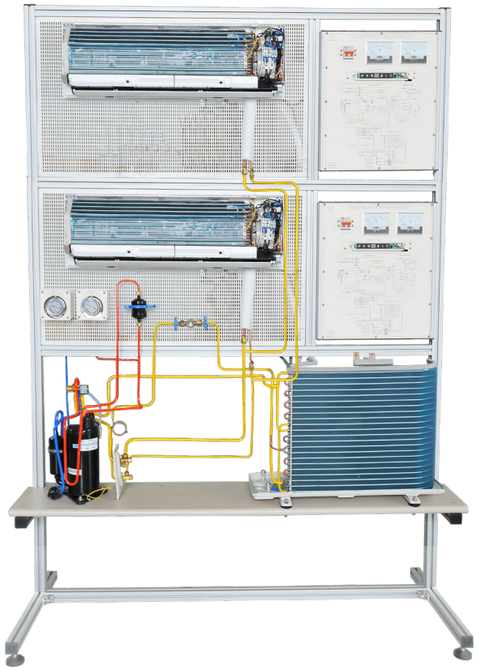


DOMESTIC REFRIGERATION

ST.RF.B0500 MULTI-HARMONIC SPREAD MODEL

TECHNICAL SPECIFICATIONS

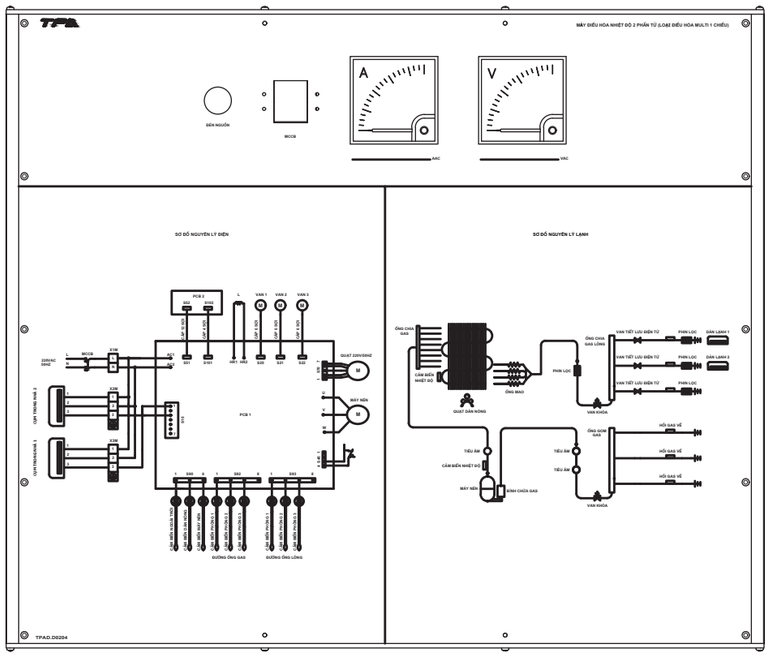
- Power Supply: Single-phase 220VAC, 50Hz
- Frame: CT3 steel with electrostatic coating for aesthetics and scratch resistance
- Instructional diagrams: Printed on the module surface using durable film printing, ensuring aesthetics and long-lasting usability
- Air Conditioner:
  + Capacity: 18,000 BTU
  + Remote Control: Yes
  + Type: Single-direction multi-type air conditioner



TRAINING CONTENT

- Understand the structure and principles of a two-way air conditioning refrigeration system
- Learn the principles of the electrical system
- Configure parameters for the air conditioner
- Practice vacuuming and charging refrigerant gas
- Operate the model and run various indoor unit modes
- Troubleshoot and repair electrical and refrigeration circuits
- Read and resolve errors using the remote control

TECHNOLOGY DIAGRAM



DOMESTIC REFRIGERATION

ST.RF.B0600 MINI ICE PRODUCTION MODEL

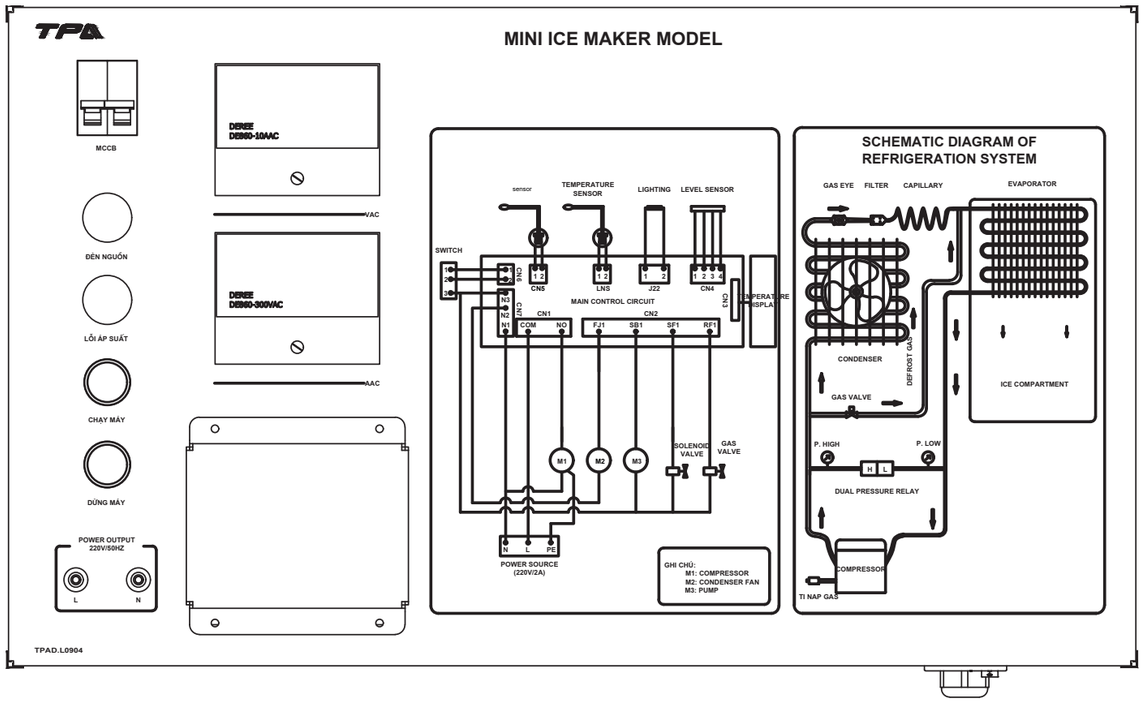
TECHNICAL SPECIFICATIONS

- Power Supply: Single-phase 220VAC, 50Hz
- Frame: CT3 steel with electrostatic coating for aesthetics and scratch resistance
- Instructional diagrams: Printed on the module surface using durable film printing, ensuring aesthetics and long-lasting usability
- Air Conditioner:
  + Capacity: 18,000 BTU
  + Remote Control: Yes
  + Type: Single-direction multi-type air conditioner

TRAINING CONTENT

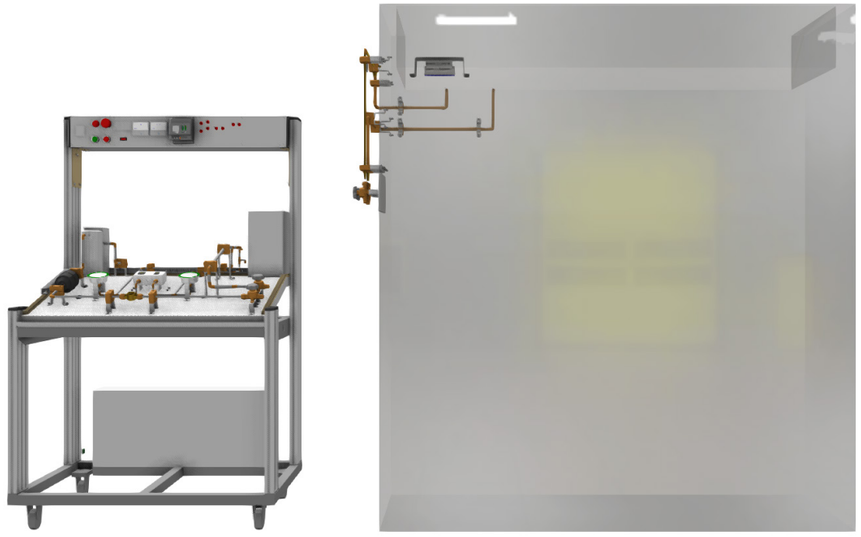
- Understand the structure and principles of a mini ice maker refrigeration system
- Learn the principles of the electrical system
- Study the principles of the water system
- Practice vacuuming and charging refrigerant gas
- Operate the model
- Troubleshoot and repair electrical and refrigeration circuits

TECHNOLOGY DIAGRAM



DOMESTIC REFRIGERATION

ST.RF.B0700 COMMERCIAL FREEZER MODEL



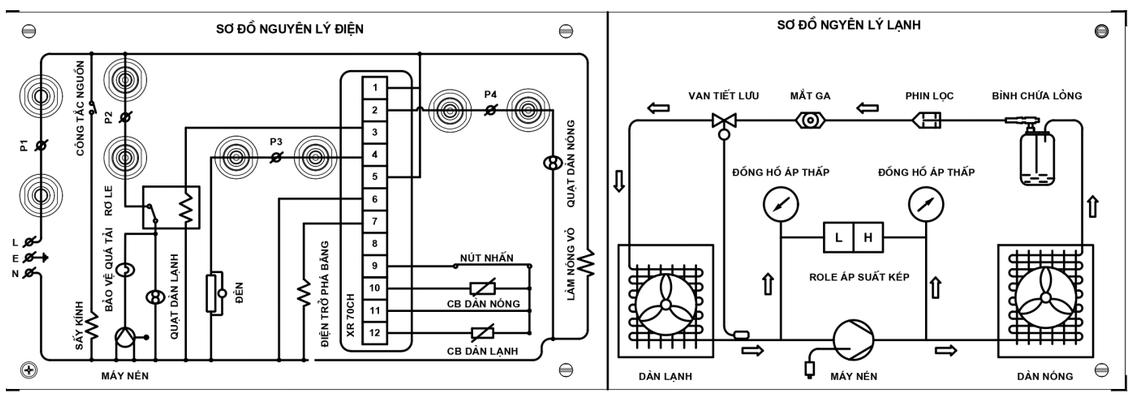
TECHNICAL SPECIFICATIONS

- Power Supply: Single-phase 220VAC, 50Hz
- Frame: CT3 steel with electrostatic coating, ensuring aesthetics and scratch resistance
- Instructional Diagrams: Printed on the module surface using durable film printing, ensuring aesthetics and longevity of the equipment
- Commercial Freezer (1 unit):
  + Input Voltage: Single-phase / 220V
  + Total Capacity: ~ 430 liters
  + Type: Single-compartment, double-door freezer

TRAINING CONTENT

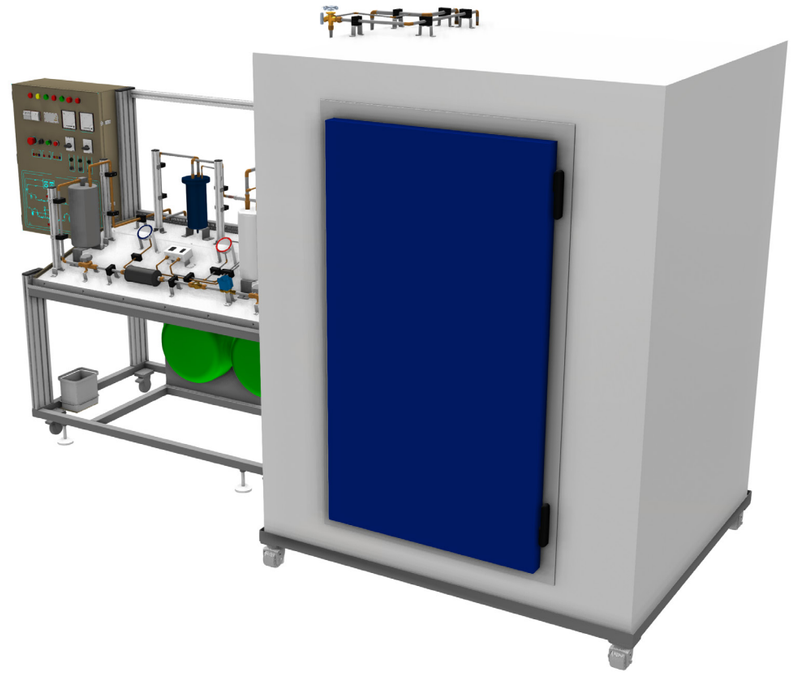
- Practice understanding the operating principles and structure of components in a commercial freezer
- Learn the control circuit of functional blocks in the freezer
- Practice measuring and inspecting equipment to ensure safety before operating the model
- Practice diagnosing and repairing common faults in the equipment used in the model
- Practice vacuuming and charging refrigerant gas

TECHNOLOGY DIAGRAM



INDUSTRIAL REFRIGERATION

ST.RF.C0100 INDUSTRIAL COLD STORAGE MODEL



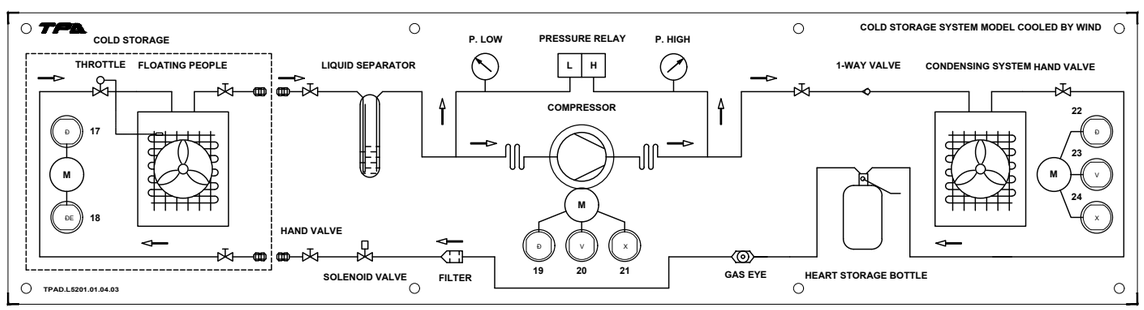
TECHNICAL SPECIFICATIONS

- Operating Voltage: Three-phase 380V
- Frequency: 50/60Hz
- Hermetic piston compressor with a capacity of 3 Hp
- PU Insulated Cold Storage Unit:
  + Wall thickness: 50mm, with both sides coated with colored steel
  + Dimensions (L x W x H): 1500 x 1500 x 2000 mm
  + Door with safety lock to prevent entrapment

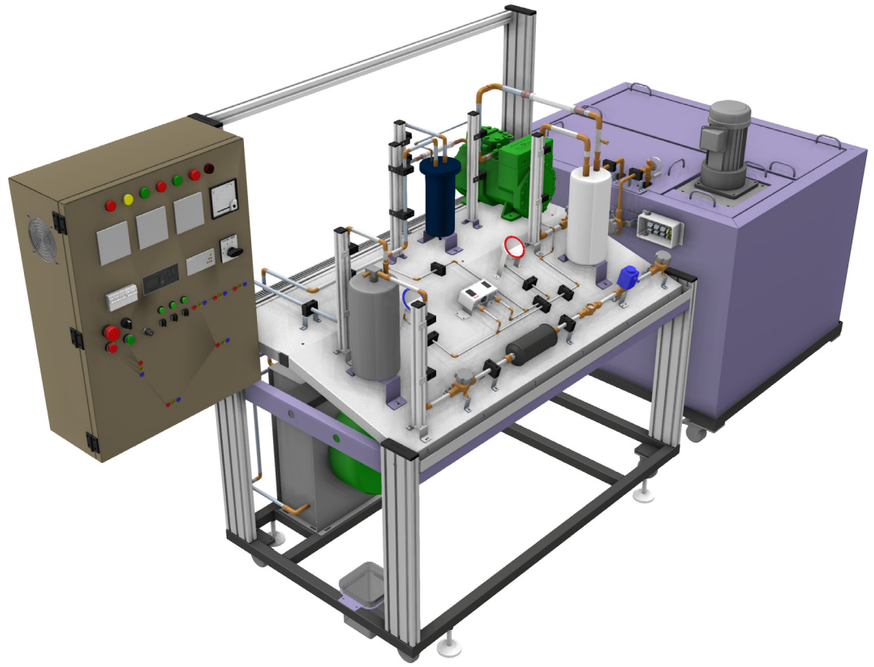
TRAINING CONTENT

- Train on the principles of cold storage systems
- Learn the structure and identify components of the system
- Practice vacuuming and charging refrigerant gas
- Measure and inspect operating parameters of the model
- Practice configuring and operating the system
- Adjust equipment to optimize system performance

TECHNOLOGY DIAGRAM



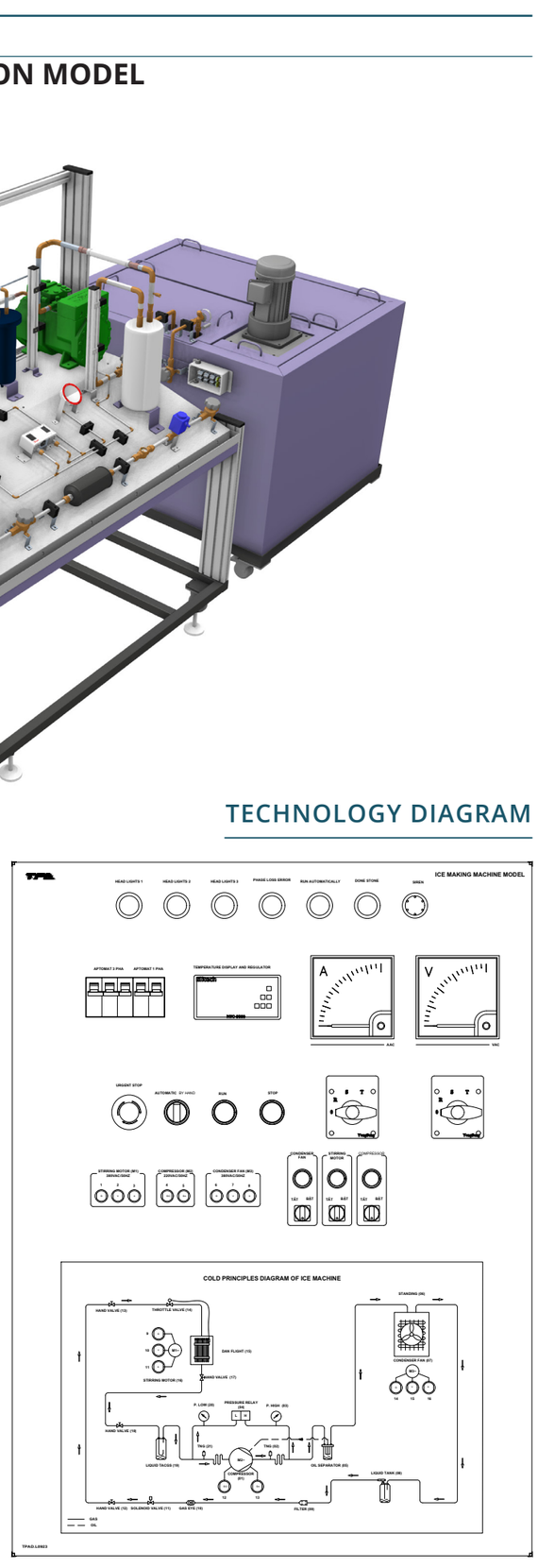
ST.RF.C0200 BLOCK ICE PRODUCTION MODEL



TECHNICAL SPECIFICATIONS

- Input Voltage: 3P/380VAC
- Ice Production Capacity: 250 kg/day
- Model Design: Mounted on a CT3 steel and stainless steel welded frame, movable with 4 lockable caster wheels.
- Instructional Diagrams: Printed on the module surface using durable film printing, ensuring aesthetics and longevity of the equipment.
- Block Ice Tank Unit:
  + The block ice tank is made of stainless steel sheets with insulated foam to prevent corrosion from the block ice solution (saltwater or glycol).
  + The tank includes 2 ice links, each with 4 trays.

TECHNOLOGY DIAGRAM



TECHNICAL SPECIFICATIONS

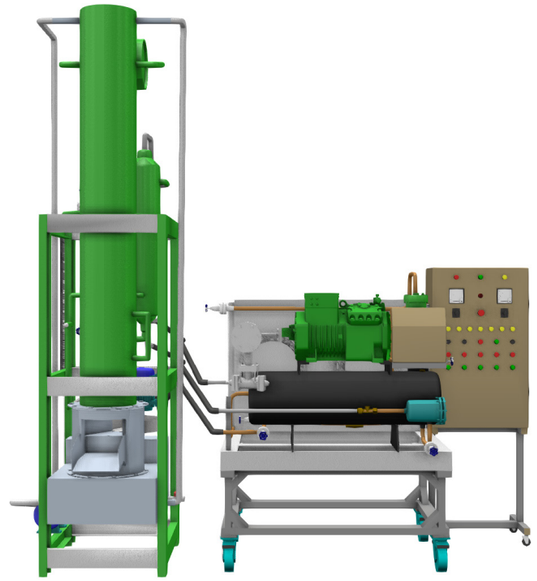
- Operating Voltage: Three-phase 380V
- Frequency: 50/60Hz
- Piston Compressor: Compressor capacity of 5 Hp or higher
- Type of Ice Cubes: Hollow core ice cubes
- Ice Production Unit: 1-ton/day ice production capacity

TRAINING CONTENT

- Perform the operation procedures of the block ice machine according to technical requirements.
- Carry out safe and technically correct maintenance procedures for the block ice machine.
- Inspect and evaluate the quality of equipment in the system.
- Repair electrical and refrigeration faults in the system.
- Effectively use tools and machinery in the profession.

INDUSTRIAL REFRIGERATION

ST.RF.C0300 MINI ICE CUBE PRODUCTION MODEL



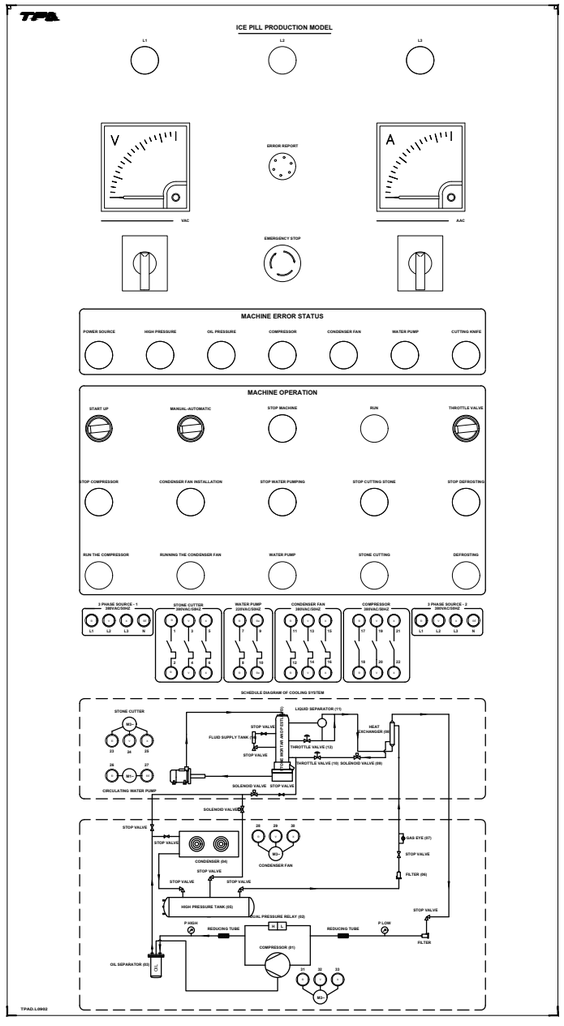
TECHNICAL SPECIFICATIONS

- Operating Voltage: Three-phase 380V
- Frequency: 50/60Hz
- Piston Compressor: Compressor capacity of 5 Hp or higher
- Type of Ice Cubes: Hollow core ice cubes
- Ice Production Unit: 1-ton/day ice production capacity

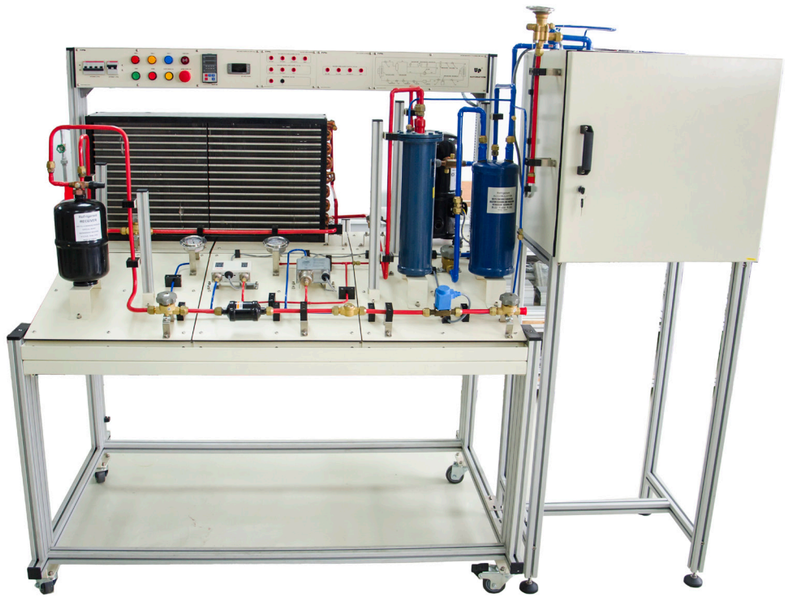
TRAINING CONTENT

- Understand the structure and principles of the mini ice cube production refrigeration system
- Learn the principles of the electrical system
- Study the principles of the water system
- Practice vacuuming and charging refrigerant gas
- Operate the model
- Troubleshoot and repair electrical and refrigeration circuits

TECHNOLOGY DIAGRAM



ST.RF.C0400 CONTACT FREEZER MODEL



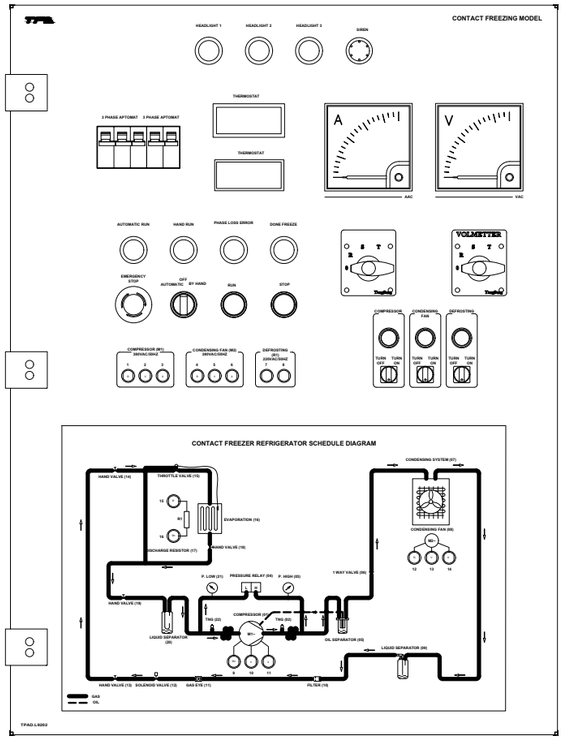
TECHNICAL SPECIFICATIONS

- Dimensions: 2380 x 1034 x 1667 mm (L x W x H)
- Input Voltage: Y3-380V
- Power: 5 HP
- Frequency: 50/60Hz
- Model Design: Mounted on an anodized aluminum profile frame, movable with 4 lockable caster wheels, and equipped with adjustable leveling feet.
- Instructional Diagrams: Printed on the module surface using durable film printing, ensuring aesthetics and longevity of the equipment.
- Plug Type: Standard anti-shock plug

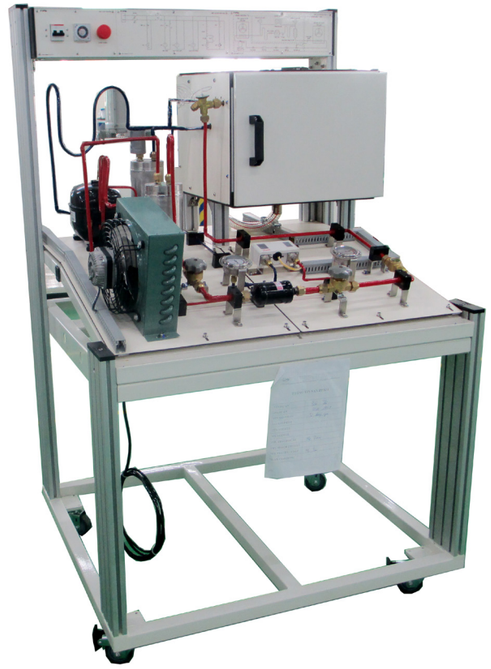
TRAINING CONTENT

- Train on the principles of an ice-making system
- Learn the structure and identify components of the system
- Practice vacuuming and charging refrigerant gas
- Measure and inspect the operating parameters
- Practice configuring and operating the system
- Adjust equipment to ensure optimal performance
- Calculate the system's productivity

TECHNOLOGY DIAGRAM



ST.RF.C0500 WIND FREEZER MODEL



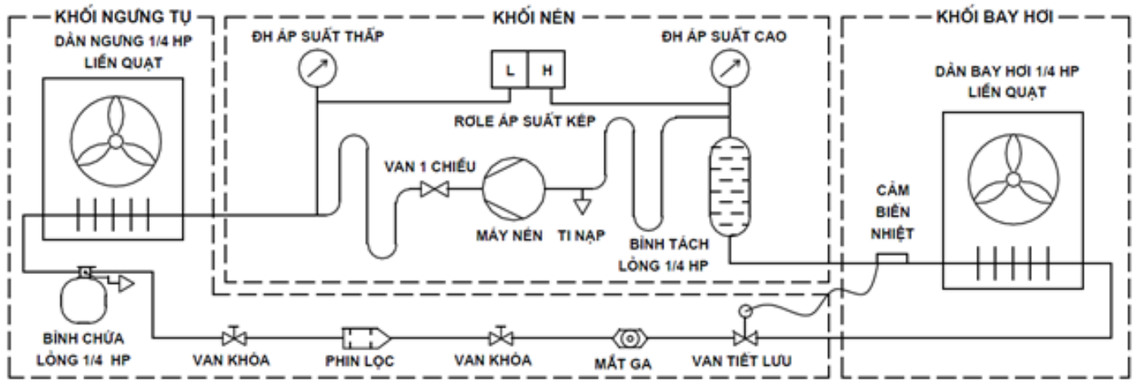
TECHNICAL SPECIFICATIONS

- Rated Voltage: 220V, 50Hz
- Table Frame Unit: Includes the table frame and power supply box. The tabletop is inclined at a 15-degree angle from the floor and features a drainage trough for surface water runoff.
- Air-Freezing Chamber Unit: Aluminum frame with double-layer insulation, hinged doors, and quick lock/unlock mechanism.
- Freezer Electrical Equipment Unit: Housed in an enclosure made of anodized aluminum and phenolic resin.The unit is mounted at the top of the aluminum frame.
- Operational Schematic Diagram: Printed on the phenolic surface of the electrical equipment unit for the freezer.

TRAINING CONTENT

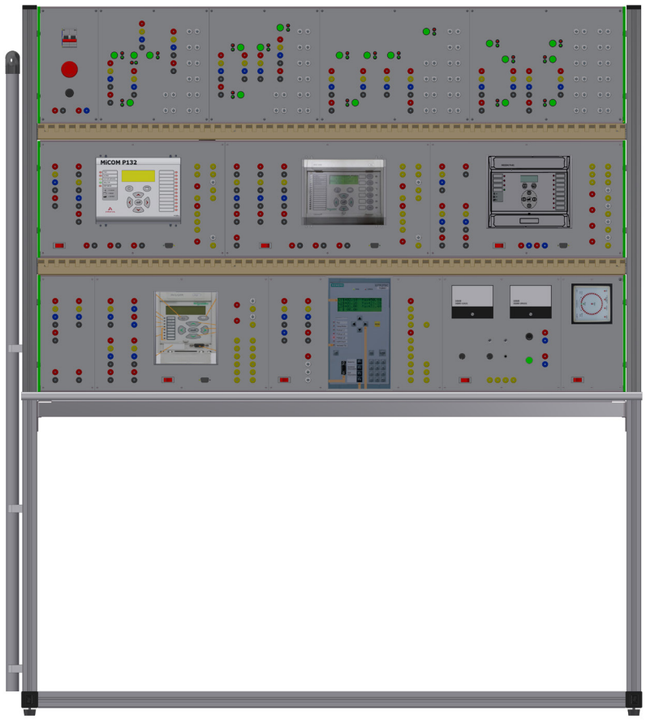
- Understand the structure and principles of the refrigeration and electrical systems of the wind freezer
- Practice vacuuming and charging refrigerant gas
- Operate the system
- Adjust system parameters
- Calibrate the expansion valve and modify cooling capacity

TECHNOLOGY DIAGRAM



CENTRAL AIR CONDITIONING

TPAD.B4936 CENTRAL AIR CONDITIONING SYSTEM MONITORING DESK BMS



TECHNICAL SPECIFICATIONS

- Power Supply: Single-phase 220VAC, 50Hz
- Desk Frame and Control Cabinet: Made of CT3 steel with electrostatic white coating
- Mobility: Equipped with caster wheels and leveling feet
- Server Unit: Processor: Intel® Core™ i7
  *** BMS Software Features:
- Centralized system management
- Quick navigation to individual buildings using tags for fault diagnostics
- Compare data between buildings
- Export system data to external databases
- Integrate BAS (Building Automation System) into other enterprise applications
- Integration with additional applications such as work order management, analytics, etc.
- Single tool used for programming monitoring systems and WEB controllers

TRAINING CONTENT

- Centralized system management
- Quickly navigate to individual buildings using tags to diagnose Issues
- Compare data between buildings
- Export system data to an external database
- Integrate BAS into other enterprise applications
- Integrate with other applications, such as work order management, analytics, and more.
- The only tool used to program WEB monitors and controllers

ST.RF.C0100 MODEL OF CENTRAL AIR CONDITIONING SYSTEM WATER CHILLER WATER COOLING

TECHNICAL SPECIFICATIONS

- Input Voltage: 380 VAC
- Power: 3 HP
- Frequency: 50 Hz
- The model is divided into three main units: Water-cooled cooling tower unit, Equipment table unit, Air supply unit
- The units are mounted on an aluminum profile frame made of 40x40x3 mm anodized aluminum bars.
- The units are equipped with lockable caster wheels for easy mobility.
- Performance monitoring and remote control features include; Monitor device performance remotely via the internet, Track equipment usage time, Send alerts for overcurrent conditions to enable timely shutdown
- Remote power control via the internet

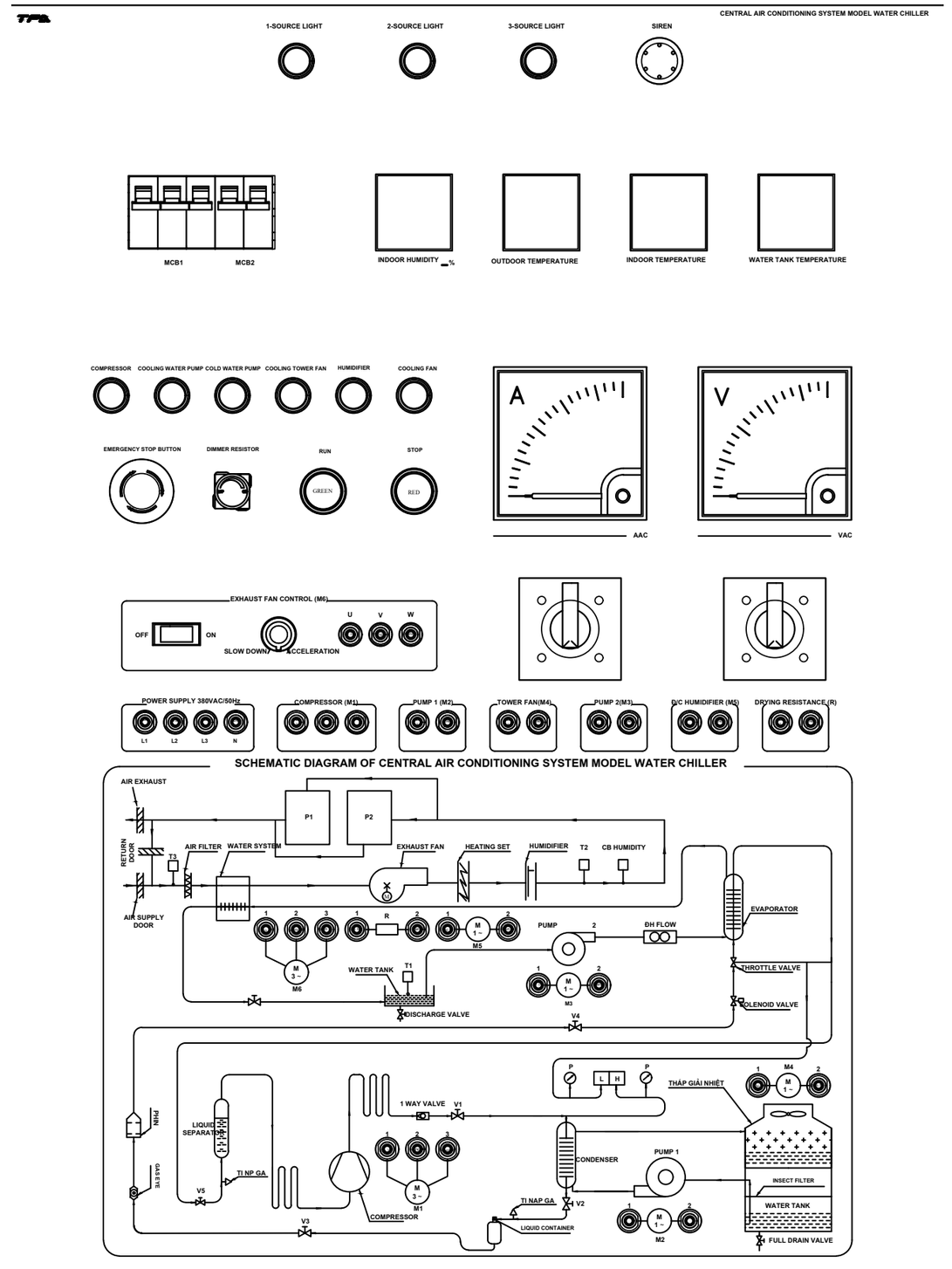
TRAINING CONTENT

- Understand the refrigeration principles of the central air conditioning system (Water Chiller)
- Learn the structure and functions of the main components
- Perform basic calculations for the central air conditioning system
- Practice understanding the principles of the water system and air system
- Practice understanding the control system of the central air conditioning (Water Chiller)
- Control the system's temperature and humidity
- Maintain the refrigeration system
- Maintain the AHU

CENTRAL AIR CONDITIONING

ST.RF.C0100 MODEL OF CENTRAL AIR CONDITIONING SYSTEM WATER CHILLER WATER COOLING

TECHNOLOGY DIAGRAM



ST.RF.D0200 VRV CENTRAL AIR CONDITIONING SYSTEM SPREAD MODEL

TECHNICAL SPECIFICATIONS

- Input Voltage: 220VAC
- Power: 5 HP
- Frequency: 50/60Hz
- Model Features:
  + Indoor unit installation cabins are made of welded steel with electrostatic coating.
  + Equipped with a thermal curtain system to prevent heat loss during air conditioner operation.
- Performance Monitoring and Remote Control Features: Monitor device performance remotely via the internet; Track equipment usage time; Send alerts for overcurrent conditions to enable timely shutdown.
- Remote power control via the internet.

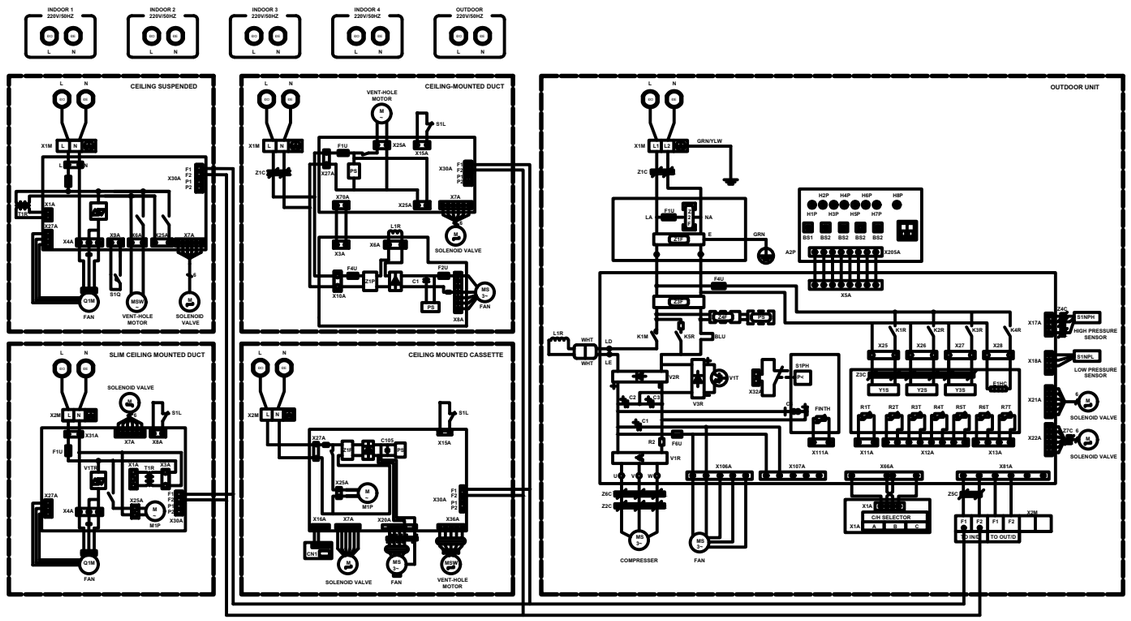
TRAINING CONTENT

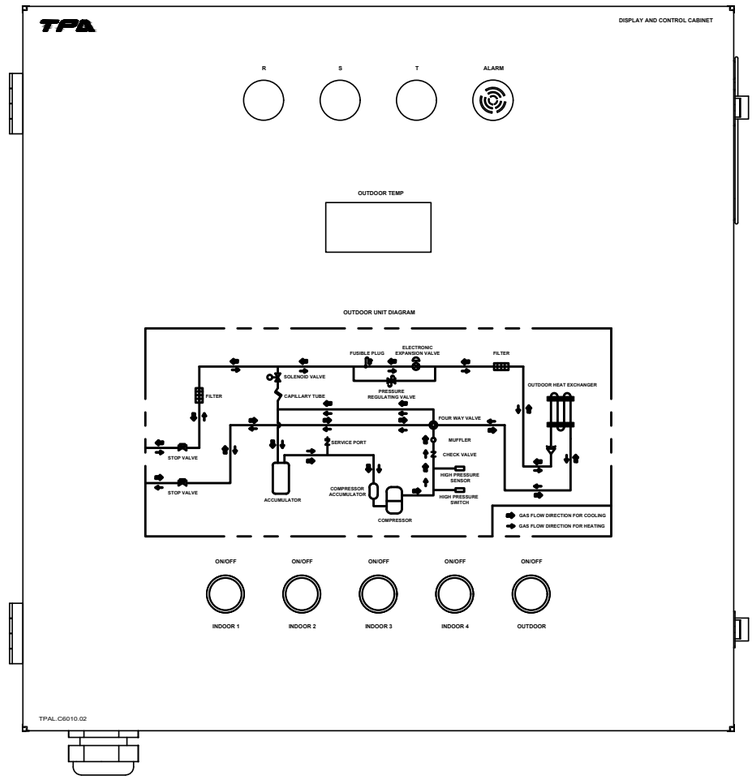
- Understand the refrigeration principles and control electrical system of the VRV central air conditioning system
- Practice understanding the structure and applications of different types of indoor units in VRV air conditioning
- Practice installing various types of indoor units
- Practice wiring and plumbing installation
- Practice configuring and operating the system
- Practice maintenance, retrieving error codes, and troubleshooting

CENTRAL AIR CONDITIONING

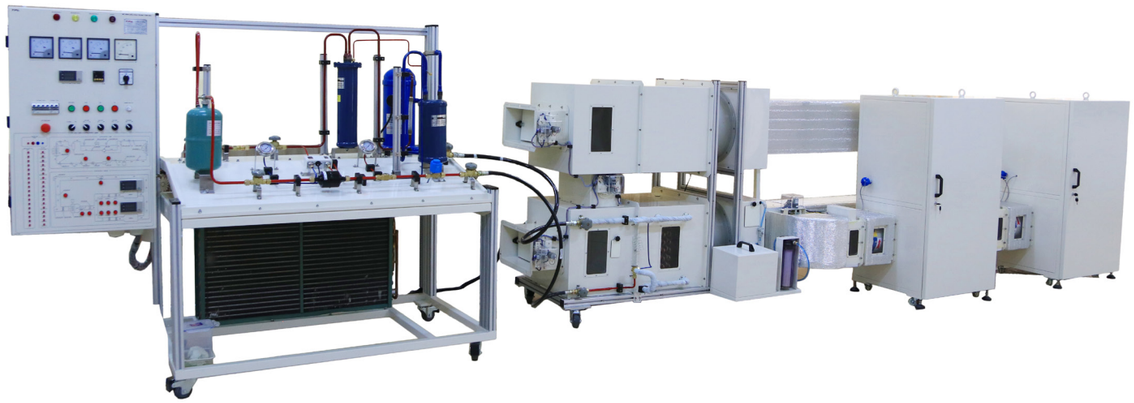
ST.RF.D0200 VRV CENTRAL AIR CONDITIONING SYSTEM SPREAD MODEL

TECHNOLOGY DIAGRAM





ST.RF.D0300 MODEL OF AHU GAS CENTRAL AIR CONDITIONING SYSTEM



TECHNICAL SPECIFICATIONS

- Dimensions: 6673 x 1137 x 1986 mm (L x W x H)
- Technical Specifications:
  + Input Voltage: Y3-380V
  + Power: 5 HP
  + Frequency: 50/60Hz
- Model Features:
  + Designed on an anodized aluminum profile frame, movable with 4 lockable caster wheels.
  + Performance Monitoring and Remote Control Features: Monitor device performance remotely via the internet; Track equipment usage time; Send alerts for overcurrent conditions to enable timely shutdown.
- Remote power control via the internet.
- Compressor: 5HP scroll rotor compressor

TRAINING CONTENT

- Practice understanding the structure and principles of components in the AHU gas central air conditioning system
- Practice controlling individual room temperatures separately
- Practice controlling the air system
- Practice vacuuming and charging refrigerant gas
- Practice configuring and operating the system
- Practice measuring, inspecting, and repairing common faults in the equipment used in the model

CENTRAL AIR CONDITIONING

ST.RF.D0300 MODEL OF AHU GAS CENTRAL AIR CONDITIONING SYSTEM

TECHNOLOGY DIAGRAM