

# ASSEMBLY KIT OF INDUSTRIAL REFRIGERATION

## Mod. IR-K/EV

### INTRODUCTION

This kit is specifically designed for educational aims to lead students to learn the assembling and servicing techniques of industrial refrigerators. It also includes the pipes and electric cables that can be used together with the standard tools for refrigerator technicians to assemble the hydraulic and electric circuits. This kit can easily be disassembled for a repeated use.

### TRAINING PROGRAM

- The optional vacuum and charging station enables:
  - to drain and clean the system
  - to fill the system with refrigerant and to check the system tightness
- Setting the system at work and checking the tripping of safety devices
- Analyzing the system behaviour versus the variation of:
  - thermostatic valve superheat
  - the quantity of refrigerant filled in the system.
- Carrying out the gas recovery (optional recovery-recycling unit required)



### TECHNICAL SPECIFICATIONS

This kit includes the following refrigeration circuit elements of an industrial refrigerator:

- hermetic compressor
- forced-air condenser
- forced-air evaporator with defrosting resistor
- thermostatic expansion valve
- sight glass, dehydrator filter, liquid receiver
- cocks

This is also equipped with a switchboard including:

- high and low pressure gauges
- double pressure switch
- control thermostat
- digital multimeter
- thermomagnetic - earth leakage control button
- emergency button
- warning lights

**Power supply:** 230 Vac 50 Hz single-phase - 730 VA  
(Other voltage and frequency on request)

**Package dim.:** 125 x 85 x 70 cm

**Net weight:** 70 kg

### ON DEMAND

- Consumables and tools

#### OPTIONAL (REF. ACCESS. AND INSTRUMENTS)

##### RECOVERY-RECYCLING UNIT MOD. RERE



##### ELECTRONIC BALANCE MOD. RECH

##### PORTABLE VACUUM AND CHARGING STATION - MOD. VACU-2



##### ELECTRONIC LEAK DETECTOR MOD. AHLD-1

#### SUPPLIED WITH

##### EXPERIMENTAL HANDBOOK

