

KIT FOR THE ASSEMBLY OF A SPLIT AIR CONDITIONING SYSTEM



Experimental capabilities

- Installation of the indoor unit and outdoor unit
- Fluidic connection of the two units
- Electrical connection of the two units
- Load and commissioning of the installation
- Verification of the operation

Operating principle

The CRM 001 trainer allows the laying and commissioning of a reversible split air conditioning system. The outdoor unit and the indoor unit are fixed on a wood plate. Students must complete the fixing of the two units, connect the two units together (fluidic and electrical) and commissioning. The robust mounting structure ensures the system longevity despite numerous assembly / disassembly. The casters make it possible to orient the system in order to facilitate access to each of the sides. The set comes with a number of pieces allowing the realization of the first practical work.

The robust design of this equipment makes it perfectly suited for use in schools. Its anodized aluminum structure on feet gives it great robustness as well as great flexibility of integration into your premises. The manufacturing of this equipment meets the European machine directive

Technical specifications

The bench includes the following:

1. A structure in anodized aluminum profiles screwed equipped with 4 castors with brake with vertical wood plate (45mm thickness) for fixing the indoor and outdoor units.
2. Air conditioning system of type split system reversible with 2.5KW power (indoor and outdoor units are fixed on the structure)
3. Air conditioning system of type split system reversible with 2.5KW power (indoor and outdoor units are fixed on the structure) using the R32 fluid
3. A kit of parts for practical work including:
 - 1 1/4 copper crown isolated (25m)
 - 1 3/8 copper crown isolated (25m)
 - 10 1/4 nuts and nuts 10 nuts 3/8
 - 1 set of plastic trunking 80x60mm (8x2m)
 - 10 angles 90 ° of trunking 80x60mm
 - 1 wall bracket of outdoor unit (originally attached on the structure)
 - 1 crown condensate drain tube (30m)
 - 1 modular box with circuit breaker 16A-30mA (originally attached on the structure)
 - 1 gray cable reel 3G1.5mm² (50m)
 - 1 black cable reel 3G1.5mm² (50m)
 - 1 set of screws
 - 1 quick clamping collar bag
4. A spare parts kit including:
 - 1 service valve kit for the outdoor unit
 - 1 welding fitting kit for the indoor unit

Services required

Documentation

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| <ul style="list-style-type: none">• Power supply : 230 Vac – 50 Hz – 10 A• Power supply type: 1 phase(s) + Neutral + Earth.• Water drainage : at ground level• Dimensions: (LxWxH mm): 1050 x 800 x 1900• weight (Kg): 80 | <ul style="list-style-type: none">• User's manual• Pedagogical manual• Technical documentation of the components• Certificate of conformity CE |
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Note : if the equipment installation is operated by our staff, all supplies and exhaust connections required must stand at less than 2m from the machine