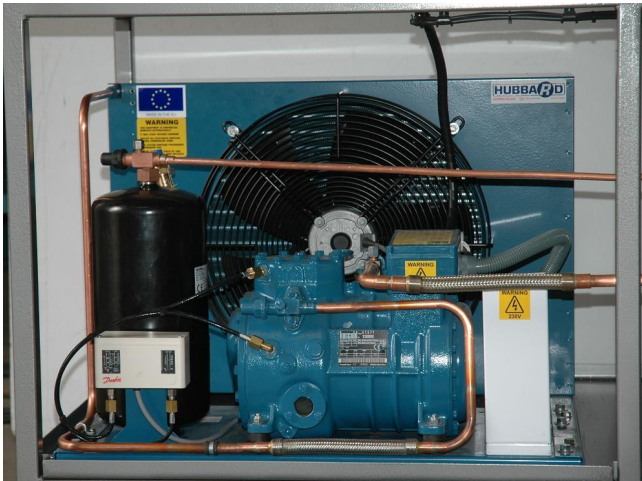


## P5732 COMMERCIAL REFRIGERATION BUILD BENCH



### INTRODUCTION

Cussons P5732 Commercial Refrigeration Build Bench has been specifically designed for the training of Refrigeration Students in the construction of a complete working refrigeration circuit. The unit uses a simple vapour compression cycle with R404a as the Refrigerant and is completely self contained on a two tier wheeled stand 1.58m long x 0.75m wide x 1.83m high which can be moved easily through any normal doorway. The only service required is a single phase ac power supply.

The compressor/condenser are mounted on the lower platform of the stand while instrumentation and controls are displayed above on a mimic panel representing the functional layout of the equipment. The system Evaporator is mounted on the top of the frame.

The remainder of the components are mounted as required by the student building the circuit. The circuit is then piped up, by the student, who will determine whether to braze, flare and bend the pipe work to fit between the components as shown on the mimic of the circuit diagram.

The system is then evacuated, leak checked, filled with refrigerant and run as a refrigerator to check that the product has been built correctly.

### EVAPORATOR

The evaporator is a standard component found in typical refrigeration installations in chillers or cold rooms. It comprises an aluminium finned cooling coil fitted with an electrical defrost heater and a blower fan to distribute the cold air.

### COMPRESSOR

The Compressor is a single cylinder single stage semi hermetic unit, of a type widely used in industrial air conditioning equipment. The suction and discharge connections on the unit each incorporate a compressor service valve each with a vent connection for charging and discharging the refrigerant

### OVERALL DIMENSIONS

TBA (SIMILAR TO P5731)

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The Company may alter detail specifications at its discretion and without notice, in line with its policy of continuous development.

