

Product Name :
Basic Heat Pump Demonstrator

Product Code :
LIM-CAT-L0057-00002



Description :

Basic Heat Pump Demonstrator

Technical Specification :

This clearly laid out model demonstrates the principle of operation of a simple heat pump.

Heat is transferred from one cylinder to another via heat exchange coils.

The trainee can feel the "cold" and the "heat".

The unit is equipped with 2 large manometers for displaying the refrigerant pressures to indicate the temperatures in the water tanks.

The refrigerant used is environmentally friendly.

Functional model of a water-to-water heat pump

Coiled pipe evaporator/condenser, Cu Piston compressor, thermostatic expansion valve, pressostat, sight glass, 2 manometers

2 thermometers to determine the water temperatures in the tanks, -10...50°C

Refrigerant R134a, CFC-free

Components bolted to metal sheet 220V, 50Hz, 1 phase Piston compressor: power consumption: 97W at -10/32°C, refrigerating capacity: 222W at 5/32°C

Pressure switch: max. temperature difference that can be reached: 50°C Manometer with temperature scale for R134a.

Temperature scale: -60...80°C.

Measuring ranges: -1...9bar / -1...24bar.



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