



# ETC-2

**Energy and Thermal Comfort: ETC-2  
Ejector as an expansion device  
on the air conditioners**

## DESCRIPTION

The ejector as an expansion device has a saving energy potential in the application on the air conditioners. Increasing of the system performance will reduce power consumption significantly. The ejector as an expansion device is to improve the performance by reducing the throttling losses caused by the use of a capillary tube in the split type air conditioners.

## Needs

- Geometry and dimension of the ejector.
- Ability of matching the performance of the air-conditioning system with the variation of condenser temperature.
- Green technology.
- Low power electricity supply to the compressor.

## Application

- Achieving energy savings up to 50 percent.
- Comfort temperature.
- System stress –reliability.
- Efficiency in maintenance durability of the compressor.



## Benefits

- Replacement of the conventional expansion device on the air conditioning system for residential, commercial and automotive.
- Save energy.
- Easy to install and low service.
- Free maintenance.

## Targeted Market

- Air conditioning manufactures.
- Commercial building.
- Office.
- Household.
- Automotive manufactures.
- Vehicle owner.



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