

## AC Motor Speed Control By Varying frequency



**Product Categories:** [Electronics](#), [Engineering Equipment](#), [Power Electronics Lab](#), [Power Electronics Lab](#)

**Product Page:**

<https://www.labappara.com/product/ac-motor-speed-control-by-varying-frequency/>

### Product Description

AC Motor Speed Control By Varying frequency

Motor-driven centrifugal pumps, fans and blowers offer the most dramatic energy-saving opportunities.

Many of these operate for extended periods at reduced load with flow restricted or throttled.

In these centrifugal machines, energy consumption is proportional to the cube of the flow rate.

Even small reductions in speed and flow can result in significant energy savings.

In these applications, significant energy and cost savings can be achieved by reducing the operating speed when the process flow requirements are lower.