



## Specifications :

### Features

- Machine with mechanical loading arrangement
- Includes digital tachometer
- High grade FRP material enclosure.
- The Rear of the Control panel covered with transparent sheet
- Heavy duty base and channel
- Brake-Drum Pulley with heat suppression facility
- Equipped with supply indication lamps

### Scope of Learning

- Study of running and reversing of three phase induction motor using VVVF Drive
- Study of no load test performed in a three phase induction motor using VVVF Drive
- Study of speed-torque characteristics in a three phase induction motor using VVVF Drive
- Study of speed control of three phase induction motor with VVVF control technology in open loop condition.

### Technical Specifications

<b>Mains Supply</b>	: Three phase, 415V AC $\pm$ 10%, 50Hz
<b>Drive</b>	
Make	: Siemens
Input Voltage	: Three phase, 415V AC $\pm$ 10%,
Output frequency range	: 0 to 599Hz (default range) with resolution of 0.01Hz
Protection Class	: IP20
<b>Three Phase Induction Motor</b>	
Type	: Squirrel Cage
Rating	: 1HP (2 HP and 3 HP also available)
Voltage Rating	: 415V AC
Speed	: 1440 RPM $\pm$ 5%
Insulation	: Class B/F
<b>Loading arrangement</b>	: Mechanical
<b>Brake Drum/Pulley</b>	: Aluminum Casted
<b>Digital Meters used</b>	
AC Voltmeter	: 450V AC
AC Ammeter	: 5AAC
MCB (TPN)	: 10AAC

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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