



### Description:

A compact Variable Frequency Drive (VFD) for AC motor control, designed for use with existing 3-phase induction and permanent magnet motors. Ideal for industrial training, laboratory applications, and panel-mounted installations.

**Type :** Variable Frequency Drive (VFD) for AC Motor Control (for existing motor)

**Rated Power :** 0.4 kW (0.5 HP)

### TECHNICAL SPECIFICATIONS

- **Input Supply :** 3-phase AC, approximately 380–480 V, 50/60 Hz
- **Output :** 3-phase variable voltage and frequency supply to motor
- **Output Frequency Range :** 1 to 59.9 Hz
- **Rated Current Normal duty :** ~1.8 A | Heavy duty: ~1.5 A
- **Control Methods :** Supports V/f control and sensorless vector control
- **Motor Compatibility :** Suitable for both induction and permanent magnet motors
- **Overload Capacity :** Normal duty: ~120% for 60 s | Heavy duty: ~150% for 60 s
- **Protection & Enclosure :** IP20 (panel-mounted, indoor use)
- **Cooling :** Natural air cooling
- **Form Factor :** Compact, chassis-mounted unit

### BUILT-IN FEATURES & SAFETY

- Integrated braking: Brake chopper / dynamic braking
- Basic PLC functionality with small program capacity
- Communication interface: RS-485 with Modbus support
- Safety function: Safe Torque Off (STO) — small footprint, panel integration

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



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