

Product Name :

Three-Phase Add-On Motors Three-Phase Add-On Motor
Program With Options

Product Code :

ALABS-A85-555

**Description :****Three-Phase Add-On Motors Three-Phase Add-On Motor Program With Options**

All of the rotating electrical machines and accessories required for a basic Electrical Power course are contained in the

Mini-Motors Laboratory. The equipment illustrated is the basic package, to which compatible motors, controllers, and accessories may be added. Bedplate: - Holds motors and generators securely during tests. Includes quick-connect coupling and shaft guards. DC Motor/Generator: - May be used as either motor or generator; series, shunt, or compound. Series Field Rheostat: - Changes the degree of compounding of a DC generator

Dynamometer: - Measures torque in ounce-force inches in either direction. May also be used as DC motor or generator.

Synchronous : - Motor/Alternator Runs as a synchronous motor or operates as a three-phase alternator when driven by AC or DC motor.

Multi-Function Machine:- Runs as a split-phase; a capacitor start; a permanent-capacitor; or a two-capacitor motor.

Resistance Load:- Applies resistive load to generators and alternators.

Resistance/Reactance Load:- Applies unity, lagging, or leading power factor load.

M Strobe-Tachometer

Measures speeds between 100 and 12,000 RPM

Digital Optical Tachometer Measures speeds between 0 and 10,000 RPM with accuracy of 0.25% of actual speed.

Power and Metering

To satisfactorily perform the required experiments, the following power should be available:

- Fixed 120V AC 1 2-wire 10A
- Fixed 208/120V AC 3 4-wire, 10A
- Variable 0-240/140V AC 3 4-wire, 9A
- Variable 0-150V DC, 1.0A, isolated, 1% RMS
- Variable 0-125V DC, 5.0A, isolated, 1% RM

The following meters should also be available:

- DC Voltmeter; 0-75/150V (2)
- DC Ammeter; 0-0.5/1.0/2.5/5.0A (2)
- AC Voltmeter; 0-150/300V

- AC Ammeter; 0-0.5/2/4/8A (2)

- AC Wattmeter; 0-150/300/600/1200W (2)



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