

Fractional HP Motor Assembly Kits

Educational Training Equipment for the 21st Century

Bulletin 212E

Hampden Fractional HP Motor Assembly Kits

Purpose

Hampden Assembly Kits provide students valuable experience in building standard fractional-horsepower motors of high quality from commercial production line parts.

The student winds the coils, tests the windings, and assembles all of the mechanical parts, thus building an actual motor that could be used to drive many home and school machines. An appropriate laboratory instruction book is supplied with each motor. Simplified coil winding system saves students' time and insures greater coil uniformity. Students are able to build successful motors with only nominal supervision.

Replacement motor parts, including coil wire, wedges, and insulating varnish are available for all models.



MODEL H-174
DC Compound Motor Kit
shown before assembly
Shipping Weight: 30 lbs.

Description

MODEL H-171 AC Capacitor Start
1/3 HP
1725 RPM
115V AC, 60Hz
NEMA 56

MODEL H-173 AC Three-Phase
1/2 HP
1725 RPM
220V AC, 60Hz
NEMA 56

MODEL H-174 DC Compound
1/3 HP
1750 RPM
125V DC
NEMA 56

Replacement Wire Kits

MODEL RK-171
MODEL RK-173
MODEL RK-174

Hampden H-MWS-MW Manual Winder

Purpose

The Hampden **MODEL H-MWS-MW** Manual Winder for Fractional Horsepower Motors provides an inexpensive means for students to assemble the bare-bones components of a motor, such as provided in the Hampden Motor Assembly Kits, into a complete working motor.

Description

The Hampden **MODEL H-MWS-MW** Manual Winder is a hand operated coil winder complete with hand wheel, adjustable mandrel and a turn counter. The winder is used to construct different windings according to the motor specifications.

Optional Components

For a complete Winding Station the following items are available separately:

MODEL H-MWS-TP Tool Package

MODEL H-MWS-CF Coil Form

MODEL H-2533 International/External
Growler

MODEL H-2105 Armature and Stator Holder

MODEL H-1102 Balancing Way

MODEL H-2201 Coil Tamper
MODEL H-2211 Wedge Driver
MODEL H-2610 Coil Shaper
MODEL HMC-3 Mobile Cart



MODEL H-MWS-MW Manual Winder shown with **MODEL H-MWS-CF** Coil Form Package
Dimensions: 18-1/2"W x 12-1/2"H x 14"D

All Hampden units are available for operation at any voltage or frequency

Hampden
ENGINEERING CORPORATION