

Motor Load Option



Model: 419-000

DAC Worldwide's Motor Load Option (419-000) is a component part of the DAC Worldwide Motor Fundamentals Training System (410-000) that adds a consistent, measured load to the 410-000's system motors so that learners can study the operating characteristics of different motor types while under load.

Hands-On Motor Load Training Features Real Industrial Components

This motor performance under load training device integrates with all DAC Worldwide motor control trainers using a connecting coupling and coupling guard assembly. When used in other electro-mechanical integration applications the device also supports the use and control of brake/clutch assemblies, specialty single phase motors, and other DC and AC powered accessories. A magnetic industrial tensioning brake provides intermittent or continuous resistance to the coupled motor trainer through a dedicated rheostat.

This motor performance under load teaching aid complements courses in industrial utility systems, boiler operations, and commercial HVAC.

FEATURES & SPECIFICATIONS

- Welded tubular aluminum base assembly with rubber support and vibration isolating feet.
- 16-Gauge, formed-steel support structure facilitating mounting of controls at a convenient and ergonomically-appropriate position.
- Provision for direct-mounting, without base assembly of frame on related DAC bench and workstation products, as well as on t-slotted electro-mechanical integration bench work surfaces.
- 1/8" Aluminum, powder-coated and silk-screened front panel face.
- Panel-mounted Electrical and control devices including master instructor key switch, master circuit breaker with provision for lock-out/tag-out, pilot light, emergency stop switch, system GFI, with single-phase utility outlets, DC load control rheostat with relay control contacts allowing external control, brake/clutch assembly DC controller with indicating potentiometer control, and relay control contacts allowing external control, specialty single phase motor connector with relay control contacts allowing external control, component-proprietary connecting sockets.

- Full permanent internal grounding and cover removal safety interlock.
- Industrial electro-magnetic tensioning brake with 3/4" connecting shafting, with steel and aluminum mounting assembly, and dedicated connection cord.
- Coupling/Guard assembly, incorporating aluminum baseplate, polycarbonate guard, Lovejoy (JAW & Spider) coupling allowing for connection to related motor modules.

INCLUDES

- Electro-Magnetic Tensioning Break
- Coupling/Guard Assembly
- Master Instructor Key Switch
- Circuit Breaker
- Pilot Light
- E-Stop System GFI
- DC Load Control Rheostat
- Brake/Clutch Assembly
- DC Controller with Potentiometer Control

REQUIRES

- Requires 410-Series Motor Training System

PRODUCT DIMENSIONS

- Approx. 19-in. L x 19-in. W x 25-in. H (480 x 480 x 640 mm)
- 50lbs. (23kg)

UTILITIES

- 115V/60Hz/1ph

Address

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