

H-6644 Centrifugal Pump Trainer

(Left to Right): **Model H-6644** Centrifugal Pump Trainer
Dimensions: 32"H x 34"W x 24"D, Weight: 315 lbs.
shown with **Model H-6648** Control Interface Module and
Model H-LTCS Laptop Computer option



Purpose

The Hampden **MODEL H-6644** Centrifugal Pump Trainer provides a hands-on introduction to the centrifugal pump and its operation. The trainer uses sensors which interface with the Hampden **MODEL H-6648** Control Interface Module sold separately.

Description

The Hampden **MODEL H-6644** Centrifugal Pump Trainer is bench-top mounted consisting of a storage tank, pump, flow control valve, orifice plate, and sensors. When interfaced with the **MODEL H-6648** Control Interface Module, it is linked to a laptop computer (included with **Model H-6648**) via its USB port.

Specifications

Base:

- 14-gauge furniture stock steel finished in instrument tan texture

Pump:

- Centrifugal rated 16 gpm @ 30 Ft. Head (with 8 Ft. Cord and plug)

Valves:

- Ball, 2-required
- Needle, 1-required

Tank:

- Nalgene, 10-gallon with cover

Sensors:

- Flow — Orifice Plate
- Temperature — Type T thermocouple with 8 Ft. wire and plug
- Photo Tachometer Cell with 8 Ft. wire and plug

Transmitters:

- Differential/Pressure Transmitter for flow with 4–20mA output with 8 Ft. cord and 5-pin plug
- Pressure Transmitter with 4–20mA output, 8 Ft. cord and 5-pin plug

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

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