

Heat Transfer Training Systems

Educational Training Equipment for the 21st Century

Bulletin 687-100E

H-6878-10

Mobile Electric Steam Boiler

Purpose

The Hampden **Model H-6878-10** Mobile Electric Steam Boiler has been designed to provide steam for use with the Hampden **Model H-6878** Six-Pass Heat Exchanger, or other units where steam may be a requirement.

Description

This unit consists of a mobile mounting base, boiler, heater, and instrumentation.

This unit is equipped with adjustable pressure control and manual reset hi-limit control, heavy duty magnetic contactors, combination low water cut-off and water level controller, flange mounted heating elements with stainless steel sheathing, solenoid valve with strainer, pressure gauge, ASME safety valve, blowdown valves, check valve, stop valve, steam outlet valve, water gauge glass with protector, ON-OFF switch with pilot light. The shell is ASME construction wrapped in 2" fiberglass insulation and encased within a 20 gauge steel jacket.

Specifications

Boiler

| | |
|-------------------------|---------------|
| Capacity: | 40,000 btu/HR |
| kw/HR: | 12 |
| Operating Pressure: | 10psi |
| Safety Pressure Relief: | 10psi |

Electrical Input

208/240VAC-3Ø-60Hz-40A

Instruments

Boiler: Pressure Gauge



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Shipping Weight: 460 lbs.

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

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