### High kW/Large Tank ASME Electric Water Heaters:

- 150 to 2500 gallon tank options
- 12kW to 360kW inputs available
- 150 psi ASME code glass-lined tank
- ASME temperature and pressure relief
- Internal fusing (above 120 amps)
- Incoloy heating elements
- Painted steel jacket
- Magnesium anode rods
- Immersion thermostats
- Magnetic contactors
- Digital temperature display
- Manual reset high limit
- Hinged door with keyed lock
- Channel iron skid base
- Approved for 180°F operation
- Lift lug access

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**Ultonium Glass Lining = 3 Year Limited Tank Warranty**

**Double Ultonium Glass Lining = 6 Year Limited Tank Warranty**

*For products installed in USA, Canada and Puerto Rico. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.*
High kW/Large Tank ASME Electric Water Heaters

**Standard Equipment Features**

**Energy-Saving Performance** - High-density closed cell foam insulation is used to meet the demanding ASHRAE 90.1b current standard for minimizing heat loss. This requirement, allowing a maximum 4 watts per square foot of tank surface energy loss, offers big savings and operating efficiency.

**Magnetic Contactors with Immersion Thermostats** - 120 volt control circuit with built in transformer. Elements are thermo-statically controlled in 54kW (max) increments.

**Low Watt Density Incoloy Elements** - Incoloy elements are used by Bock Steel because of their many superior characteristics to copper-sheathed elements in rigorous water heating applications. This tough alloy successfully resists the effects of prolonged high operating temperatures, hard water, acids, corrosion and thermal shock. Their nominally higher initial cost is more than off-set by much longer life expectancies and reduced service and replacement costs. Incoloy elements are designed to “burn in air” to prevent failures caused by water void.

**Internal Fusing** - All elements and circuits are fused in 48 amp increments, providing complete electrical protection. Cartridge type fuses are rated at 200,000 ampere interrupting capacity.

**Glass-Lined Tank** - Porcelain glass is applied to the inside surface of the steel tank and fired to 1600°F. (All models are constructed in accordance with the ASME code and approved for 150 psi working pressure).

**Digital Temperature Display** - Easy to read digital temperature display located on front cabinet.

**Magnesium Anode Protection** - Provides anodic protection against corrosion of the tank due to electrolysis.

**Painted Jacket** - Polyester painted steel jacket is coated on both sides and beautifully finished in durable finish. This combines attractive appearance with maximum protection.

**Hinged Door with Key Lock** - Quality requires full length hinged doors for ease of inspection and maintenance. Keyed door lock provides additional safety and security at no charge.

**Temperature and Pressure Relief Valve** - Factory provided ASME rated relief valve protects against excessive temperature and/or pressure buildup within the tank.

**Terminal Block Connections** - Easy and safe wiring connections are made possible by factory installed terminal blocks.

**180°F Temperature Operation** - Every Electric Power Water Heater is approved for 180°F operation for sanitizing and other high-temperature requirements.

**Inspection Opening** - Provides easy access to the heater interior for inspection and cleaning.

**Three-Year Limited Warranty** - Provides warranty protection against tank failure resulting from defects in material and workmanship.

**Lifting Lugs Access** - Removable access panels to lifting lugs.

**Channel Iron Skid Base**
High kW/Large Tank ASME Electric Water Heaters

**Model Number** | **Gallon Capacity** | **Maximum kW** | **A** | **B** | **C** | **DE** | **Back of Heater to Hot Water Outlet** | **Water Connection** | **Approx. Ship Weight**
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
LVE150 - *(kW)* | 150 | 90 | 67 1/2" | 32 | 12.75" | 38 3/4" | 16" | 1 1/2" | 650
LVE200 - *(kW)* | 200 | 162 | 80" | 32 | 12.75" | 38 3/4" | 17" | 1 1/2" | 750
LVE250 - *(kW)* | 250 | 162 | 92" | 34 | 16.88" | 40 3/4" | 17" | 1 1/2" | 1165
LVE300 - *(kW)* | 300 | 162 | 80" | 40 | 19.25" | 40 3/4" | 20" | 2" | 1350
LVE400 - *(kW)* | 400 | 216 | 80" | 46 | 19.75" | 52 3/4" | 23" | 2" | 1590
LVE500 - *(kW)* | 500 | 216 | 92" | 46 | 19.75" | 52 3/4" | 23" | 2" | 1700
LVE600 - *(kW)* | 600 | 216 | 92" | 52 | 21.75" | 58 3/4" | 26" | 2 1/2" | 2010
LVE800 - *(kW)* | 800 | 270 | 104" | 52 | 21.75" | 58 3/4" | 26" | 2 1/2" | 2450
LVE1000 - *(kW)* | 1000 | 360 | 128" | 52 | 21.75" | 58 3/4" | 26" | 2 1/2" | 3160
LVE1250 - *(kW)* | 1250 | 360 | 133" | 58 | 25.75" | 64 3/4" | 29" | 3" | 3792
LVE1500 - *(kW)* | 1500 | 360 | 129" | 64 | 27.25" | 70 3/4" | 32" | 3" | 4550
LVE2000 - *(kW)* | 2000 | 360 | 140" | 70 | 28.50" | 76 3/4" | 35" | 3" | 5460
LVE2500 - *(kW)* | 2500 | 360 | 144" | 76 | 30.25" | 82 3/4" | 38" | 3" | 6553

*Note: Vertical round models above 90kW at 208V, 240V or 380V, and 162kW at 400V or 480V, exceed the capacity of a single control panel and may require multiple control panels. Consult the factory for specific details and optional construction.

**Available Voltages**

A - 240V, 1ph  
B - 240V, 3ph  
C - 208V, 3ph  
D - 277V, 1ph  
E - 400V, 3ph  
F - 415V, 3ph  
G - 480V, 3ph  
H - 380V, 3ph  
J - 208V, 1ph  
K - 208V, 3ph  
L - 400V, 3ph  
M - 415V, 3ph  
N - 600V, 3ph  

**Submittal Sheet**

High kW/Large Tank ASME Electric Water Heaters

**Available Voltages**

A - 240V, 1ph  
B - 240V, 3ph  
C - 208V, 3ph  
D - 277V, 1ph  
E - 400V, 3ph  
F - 415V, 3ph  
G - 480V, 3ph  
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J - 208V, 1ph  
K - 208V, 3ph  
L - 400V, 3ph  
M - 415V, 3ph  
N - 600V, 3ph  

**BUILT LIKE A BOCK**
### Commercial Electric Water Heaters

#### Standard kW Input and Amperage

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<th>kW</th>
<th>GPH Recovery 100 F Rise</th>
<th>BTU/hr. Equivalent</th>
<th>Number of Control Steps</th>
<th>Maximum Number of Elements</th>
<th>kW Size of Element</th>
<th>Contactor Option</th>
<th>Amperage Draw</th>
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#### Typical Specifications

Water Heaters shall be BOCK Electric Water Heater model number ____________,
with _______ gallons of storage capacity, rated at _______ Kilowatts, _______ Volts, _______ Phase.

Heater to be completely insulated and jacketed for vertical installation.

The jacket shall be round painted steel with durable finish. Control panel shall have a full length hinged access door with keyed lock. Tank insulation shall be closed cell high density foam sufficient to meet ASHRAE 90.1b. Keyed locked door provides additional safety and security.

Tank construction shall be 150 psi maximum allowable working pressure and be ASME stamped and National Board listed. All tanks are to be lined with Porcelain superior glass lining, fired at 1600°F (871°C) by a process which provides a molecular interchange of glass and steel. High kW/Large Volume ASME Electrics shall include the following standard features: magnetic contactors with immersion thermostats, digital temperature display, internal fusing for control and load circuits, low-watt density Incoloy sheath elements, magnesium anode rods, ASME rated temperature and pressure relief valve, terminal block wiring, 180°F (82°C) water temperature approval, 3-year limited warranty.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.