

Technical Data Sheet

Bolt Electric Storage Water Heater

Lync's Bolt electric storage water heater is a high-capacity solution designed to support a range of electrification strategies. All-duplex stainless steel construction enables reliable operation at elevated storage temperatures, eliminates anode rods, and allows use as a standalone heater, heat pump recirculation heater, or electric backup – indoors or outdoors.

Features

- All-duplex stainless steel (LDX) tank construction
- No sacrificial anode rods required
- Bundled Incoloy-sheathed heating elements
- TempTrac® electronic controller with staged element control
- Modbus RTU communication standard; optional BACnet gateway
- R-22 fiberglass insulation for reduced standby heat loss
- Optional Rhino Lining® exterior coating for outdoor installations

Listings & Certifications

- ETL listed to UL 1453 and CAN/CSA C22.2
- ASME Section IV HLW, rated to 150 psi
- National Board Registered
- NSF / ANSI 372
- ASHRAE 90.1 compliant



Electric Heating Performance & Controls

The Bolt features bundles of Incoloy-sheathed heating elements, controlled by a TempTrac electronic controller with staging capabilities, for quick recovery. These controls include Modbus RTU capability to enable plant monitoring through standard building automation systems. An optional gateway is available for BACnet control.

Duplex Stainless Steel Tank Construction

All-LDX duplex stainless steel construction provides superior corrosion resistance and eliminates the need for sacrificial anode rods, supporting long service life in demanding commercial applications.

High-Temperature, Energy-Efficient Design

R-22 fiberglass insulation exceeds ASHRAE 90.1 requirements, minimizing standby heat loss and making Bolt well suited for high-temperature applications such as heat pump backup or electrified hot water systems.

Outdoor Installation Capability

An optional 1/8-inch Rhino Lining exterior coating provides a protective barrier against moisture, corrosion, and impact, for outdoor installation in temperate climates and freeing mechanical room space.

Long-Term Reliability & Warranty

Premium materials, proprietary design, and controlled manufacturing processes support an industry-leading 25-year limited warranty.

Technical Specifications

Model	LC250R-36kW	LC250R-72kW	LC250R-108kW	LC250R-144kW	LC500R-36kW	LC500R-72kW	LC500-108kW	LC500-144kW
Tank Volume (gal)	250				500			
kW Input	36	72	108	144	36	72	108	144
Electrical Supply	460 V, 3-phase, 60 Hz							
Current (Amp)	44	87	130	174	44	87	130	174
SCCR	5kA							
First Hour Rating 40-140°F (gph)	350	500	750	940	550	700	950	1140
Recovery Rate 40-140°F (gph)	150	300	550	740	150	300	550	740
Height B (in)	70				82 ¾			
Diameter A (in)	50				60 ¼			
Controller Depth C (in)	12 1/2"							
Inlet Height D (in)	18 1/8"				18 3/4"			
Water Inlet, Outlet, Option (NPT)	2 ½"				2 ½"			
Shipping Weight (lbs)	1034	1069	1103	1135	1634	1666	1700	1735
Wet Weight (lbs)	3119	3154	3188	3220	5800	5836	5870	5905

Note: outdoor model numbers add an "O" suffix, i.e. LC250R36kWO

Standard Features

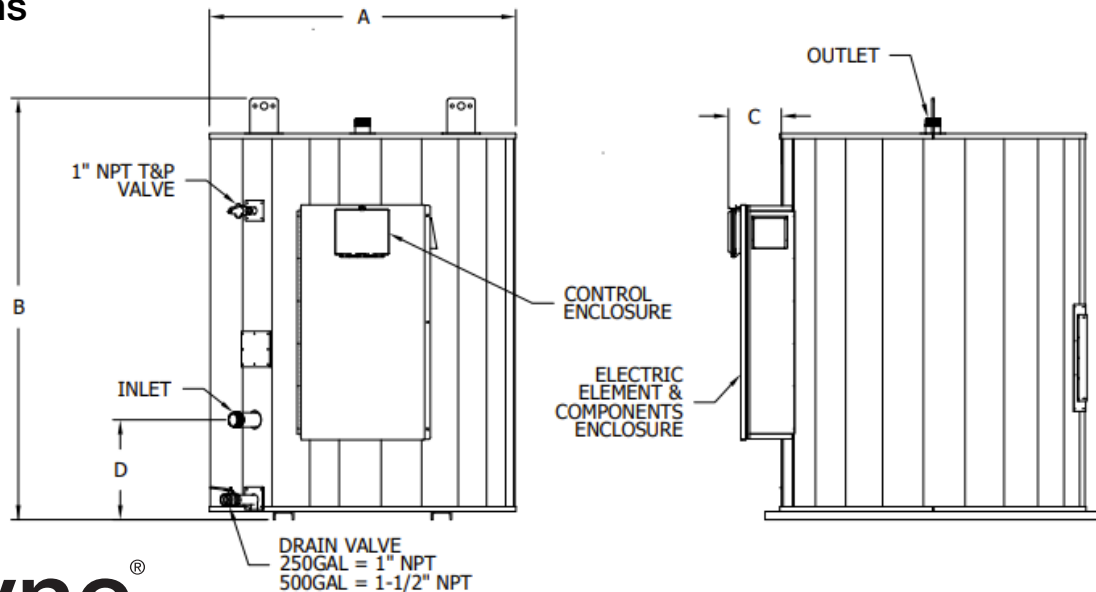
- ETL listed to UL 1453 and CAN/CSA-22.2, and NSF 372
- ASME stamped as per BPV Section IV HLW rated to 150 psi
- National Board Registered
- Electronic operating control with Modbus RTU connection to Building Automation System
- ASHRAE 90.1 Compliant

- R-22 insulation
- CSA rated Watts LF140X9 T&P relief valve
- Audible alarm and manual reset high limit alarm

Optional Equipment

- BACnet gateway connection to Building Automation System
- Outdoor models coated with Rhino lining
- SCCR up to 200kA

Dimensions



Engineered Solutions

Lync product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact your local Lync Representative. Lync reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Lync products previously or subsequently sold.

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