Technical Data Sheet

Lync Bolt Electric Storage Tank

Lync's Bolt electric storage water heaters are versatile heaters that can be used to drive or support a variety of electrification efforts, whether they are used with heat pumps as building recirculation heater, as full system backup, or as a standalone heater. The all-LDX stainless steel construction, does not require anode rods and is ideal for use at higher temperatures with heat pumps, solar thermal water heating, or other energy-efficient solutions. The optional outdoor coating allows these to be installed outdoors for further application flexibility.

HLW

Intertek
NSF-372

Superior Heating and Controls

The Bolt features bundles of 9kW 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.

Engineered to Last with Rhino

For outdoor installations in temperate climates, an optional 1/8" thick Rhino Lining coating provides a durable monolithic, protective barrier against abrasion, moisture, corrosion, and impact. It is engineered to last, ensuring your storage tank is protected from harsh environments. Outdoor tanks may be utilized to free up limited mechanical room space.

Unmatched Corrosion Resistance with Duplex Stainless Steel

Our revolutionary engineered design combines duplex stainless steel alloy with highly specialized and proprietary manufacturing process. The result is a long-lasting, reliable water heater with superior corrosion-resistance.

Save Money, Save Energy, Save the Planet

The tanks are wrapped with R-22 insulation made of fiberglass without formaldehyde; 75% higher than the standard ASHRAE 90.1 requirement of R 12.5 for indoor tanks. This makes the Bolt ideal for use in high temperature applications such as backup to a heat pump water heater, where higher storage temperatures are often used, while ensuring minimal thermal losses.

Monolithic Welded Construction

Factory-installed base head ring and clip systems welded directly to the tank body provide sturdy mounting to accommodate installation in areas that require extra restraint, such as high-wind locations on rooftops.

Warranty

Proprietary design equipped with durable material and quality craftmanship enable us to provide industry leading warranty of 25 years.

Technical Specifications

Model	LC250-R36	LC250-R72	LC250-R108	LC250-R144	LC500-R36	LC500-R72	LC500-R108	LC500-R144
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			
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. LC250-R36O

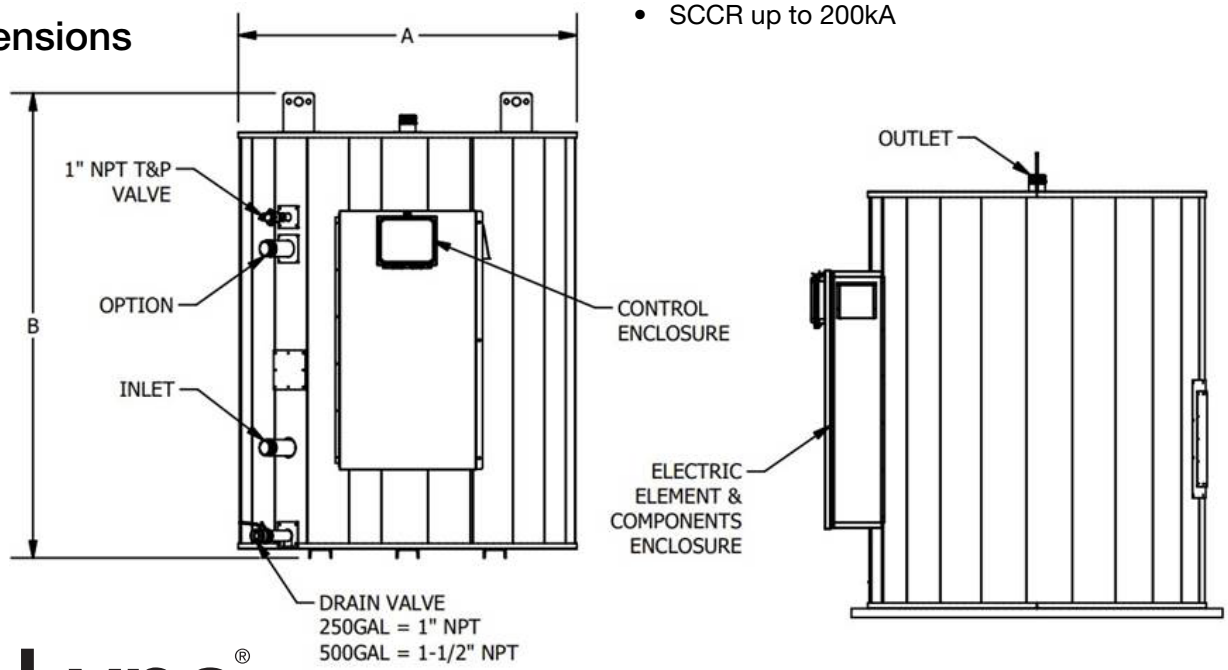
Standard Features

- 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



Lync® by WATTS

Engineered Solutions

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