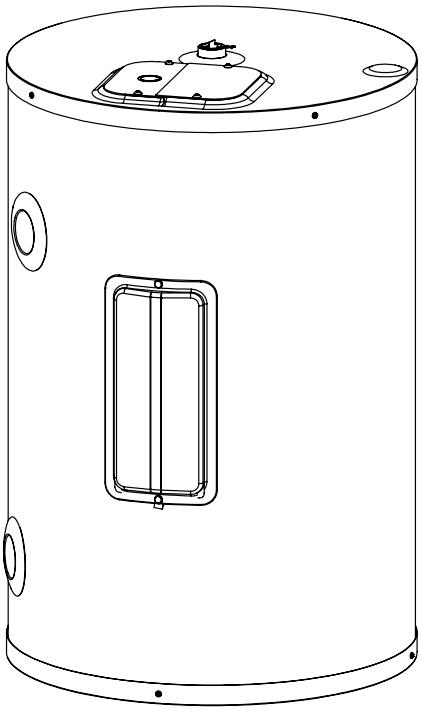
HTP • 272 Duchaine Blvd, New Bedford, MA 02745 • www.htproducts.com

Point of Use Commercial Electric Water Heaters

Job Name:	**Location:**
Engineer:	**Wholesaler:**
Mechanical Contractor:	**Notes:**
Model Number:	
Electrical Specifications:	

Electric Water Heater Models

- Available in 10 through 20 gallon capacities
- Available Voltages: 120V, 208V, 240V, and 277V offer installation flexibility
- Single Phase Operation
- Example Model Number: EVC020C1X045
- Standard configuration is 240V, Single Phase, 4500W Titanium Element



Construction

- 316L stainless steel tank tolerates high temperatures and offers superior corrosion resistance
- Super-insulated for minimal heat loss and energy efficiency
- Top hot water outlet draws the hottest water from the tank
- Bottom cold water inlet directs cold water to the heating element, minimizing the mixing of cold and heated water and ensuring long draws of hot water
- 3/4" inlet and outlet nipples constructed of durable brass
- Top-mounted terminal block for easy wiring and installation

Long Life Electric Elements / Thermostat High Limit Control

- Element kits offer maximum installation versatility and provide field conversion options for alternate voltages
- Titanium electric elements reduce the chance of element burnout and provide longer service life than conventional elements
- Immersed elements allow maximum recovery efficiency and direct, 98% efficient heat transfer
- Adjustable surface mounted thermostat provides years of reliable, trouble-free water temperature control
- Maximum temperature capability of 181ºF
- Fully automatic controls provide adequate temperature control and overheat protection - manual reset high limit cutoff

Additional Features

- Extended Limited Warranty if registered online - Five (5) years coverage against inner tank leakage from the date of installation - One (1) year coverage on component parts
- Standard Limited Warranty - Three (3) years coverage against inner tank leakage from the date of installation - One (1) year coverage on component parts
- Included ASME rated Temperature and Pressure Relief Valve
- Included Combination Brass Inlet and Drain Valve

Certifications and Ratings Efficiency

- ETL Design Certified to meet UL Standard 1453 as Electric Booster and Commercial Storage Tank Water Heaters
- North Carolina code compliant models available
- Lead Free compliant per the Safe Drinking Water Act, Section 1417
- NSF/ANSI Standard 5 Listed for use in sanitary applications
- Tested below the maximum allowable standby loss levels of current ASHRAE standards in accordance to ANSI test procedures

NOTE: The manufacturer reserves the right to make product changes or updates without notice and will not be held liable for typographical errors in literature.

LEAD FREE Safe Drinking Water Act SDWA • Section 1417 — ETL CM LISTED C US — NSF — AHRI CERTIFIED www.ahridirectory.org Globally Recognized. Industry Respected.

Recovery Table for Electric Water Heaters (US Gallons per Hour)

Input		Temperature Rises (deg. F)										
W	**BTU**	**40**	**50**	**60**	**70**	**80**	**90**	**100**	**110**	**120**	**130**	**140**
3000	10236	30	24	20	17	15	13	12	11	10	9	9
3500	11942	35	28	23	20	18	16	14	13	12	11	10
4000	13649	41	32	27	23	20	18	16	15	13	12	11
4500	15355	46	36	30	26	23	20	18	16	15	14	13
5000	17061	51	40	34	29	25	22	20	18	17	15	14

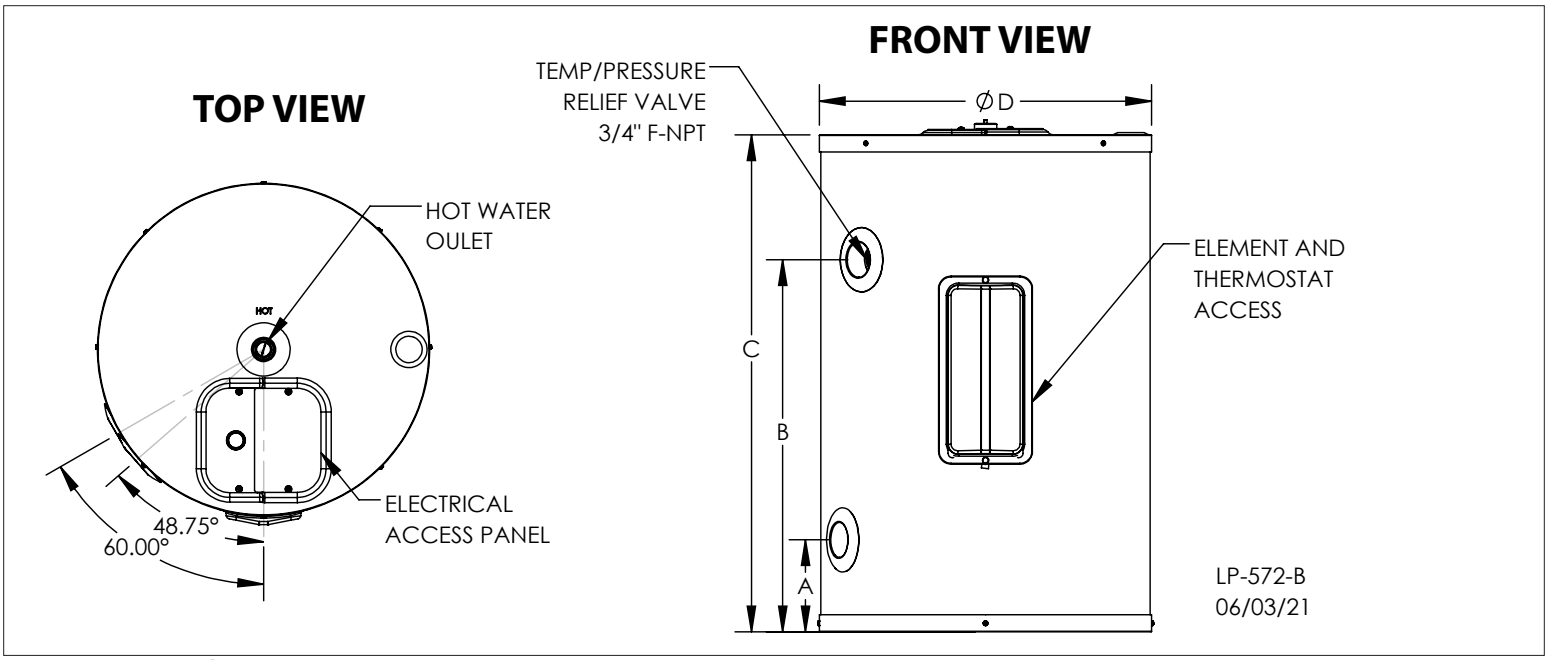


Figure 1 - Dimensional Drawing

Specifications and Dimensions									Water Temperature Ratings		
Models	**Storage Capacity**	**A**	**B**	**C**	**D**	**E**	**Hot / Cold Inlets**	**Shipping Weight (Lbs. Est.)**	**Min. Delivered Temp.**	**Max. Delivered Temp.**	**High Temp. Limit**
010	10	4 1/2″	10 1/4″	17 1/2″	19 1/2″	8″	3/4″ NPT	42	**135°F** (57.2 C)	**181°F** (82.8 C)	**200°F** (93.3 C)
015	15		16 1/4″	23 1/2″				46			
020	20		21 3/4″	29″				50			

Table 1 - Specifications and Dimensions - See Table 2 for a List of Available Elements

Gallons	# Elements	Wattage	Voltage (And Part Number)				
			120	**208**	**240**	**277**	**480**
10, 15, 20	**1**	1,500	A1X015N	B1X015N	C1X015N	D1X015N	**NO**
		2,000	A1X020N	B1X020N	C1X020N	D1X020N	
		2,500	A1X025N	B1X025N	C1X025N	D1X025N	
		3,000	A1X030N	B1X030N	C1X030N	D1X030N	
		3,500	**NO**	B1X035N	C1X035N	D1X035N	
		4,000		B1X040N	C1X040N	D1X040N	
		4,500		B1X045N	C1X045N	D1X045N	
		5,000		B1X050N	C1X050N	D1X050N	

Table 2 - Element Kit Part Numbers

Input Wattage	Point of Use Single Element Single Phase Operation			
	Amperages by Voltage and Input			
	120	**208**	**240**	**277**
1,500	13	8	7	6
2,000	17	10	9	8
2,500	21	13	11	10
3,000	25	14.4	12.5	12
3,500	-	16.3	14.6	12.1
4,000		19.9	16.7	14.4
4,500		21.6	18.8	16.8
5,000		-	20.8	18

Table 3 - For Reference Use Only

Typical Specifications

The water heater shall be an HTP model # _____ with a _____ gallon storage capacity, an input of _____ kw (BTU), a recovery rate of _____ GPH at 100ºF (56ºC) temperature rise and be equipped for _____ volts, single phase operation.

The tank shall be constructed of 316L stainless steel, and have a working pressure of 150 PSI (1,034 kPA) and test pressure of 300 PSI. The water heater shall be design certified by ETL to meet the UL 1453 Commercial Electric Water Heater Standard, and meet or exceed the standby loss requirements of ASHRAE. The water heater shall be constructed with NSF listed components and be applicable for use in sanitary applications.

The water heater shall be equipped with an adjustable surface mounted thermostat with manual reset high limit safety control, and an electric junction box located on the top of heater. Water heaters are equipped with a terminal block to wire the unit. All water heaters will be shipped with an ASME Rated temperature and pressure relief valve.

Water heaters shall be covered by a five (5) year limited warranty against inner tank leakage when registered online with HTP. See product warranty for details.

The surfaces of these products contacted by consumable water contain less than 0.25% lead by weight, as required by the Safe Drinking Water Act, Section 1417.

Maximum unit dimensions shall be length _____inches, width _____inches and height _____inches. Maximum unit weight shall be _____ pounds.