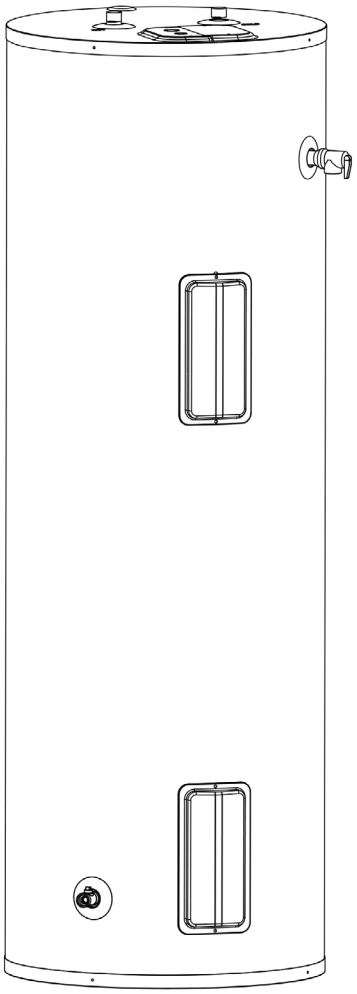
HTP Comfort Solutions LLC. • 272 Duchaine Blvd, New Bedford, MA 02745 • www.htproducts.com

Light Duty Commercial Two Element Electric Water Heaters

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

Electric Water Heater Models

- Available in 80, 100, and 115 gallon capacities
- Standard configuration is 240V, Single Phase, Non-Simultaneous, 4500W Elements
- Example Model Number: EVC080C2X045



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 with built-in heat trap provides greater efficiency and draws the hottest water from the tank
- Top inlet with dip tube directs cold water to the lower 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 electric junction box for easy wiring and installation

Long Life Electric Elements / Thermostat High Limit Control

- Highest quality elements in the industry increase corrosion resistance, reducing the chance of element burnout and providing 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 181°F
- Fully automatic controls provide adequate temperature control and overheat protection - manual reset high limit cutoff

Additional Features

- Extended Limited Warranty if registered online - Extends coverage against inner tank leakage from the date of installation - One (1) year coverage on component parts
- Standard Limited Warranty - Ten (10) 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 Brass Drain Valve

Certifications and Ratings Efficiency

- ETL Design Certified to meet UL Standard 1453 as Electric Booster and Commercial Storage Tank Water Heaters
- Complies with 10 CFR § 431.110 (Commercial Water Heaters)
- Does not comply with 10 CFR § 430.32 (d) (Consumer 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
- Meets or exceeds the energy efficiency requirements of NAECA, ASHRAE Standard 90, ICE code, and all state energy performance criteria
- Meets or exceeds ANSI requirements and tested according to DOE procedures
- Exceeds energy efficiency codes of all states, including California Energy Commission (CEC)

LEAD FREE Safe Drinking Water Act SDWA - Section 1417 · C ETL LISTED US · NSF · AHRI CERTIFIED www.ahridirectory.org

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
4500	15355	46	36	30	26	23	20	18	16	15	14	13
5500	18767	56	44	37	31	28	24	22	20	18	17	16

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.

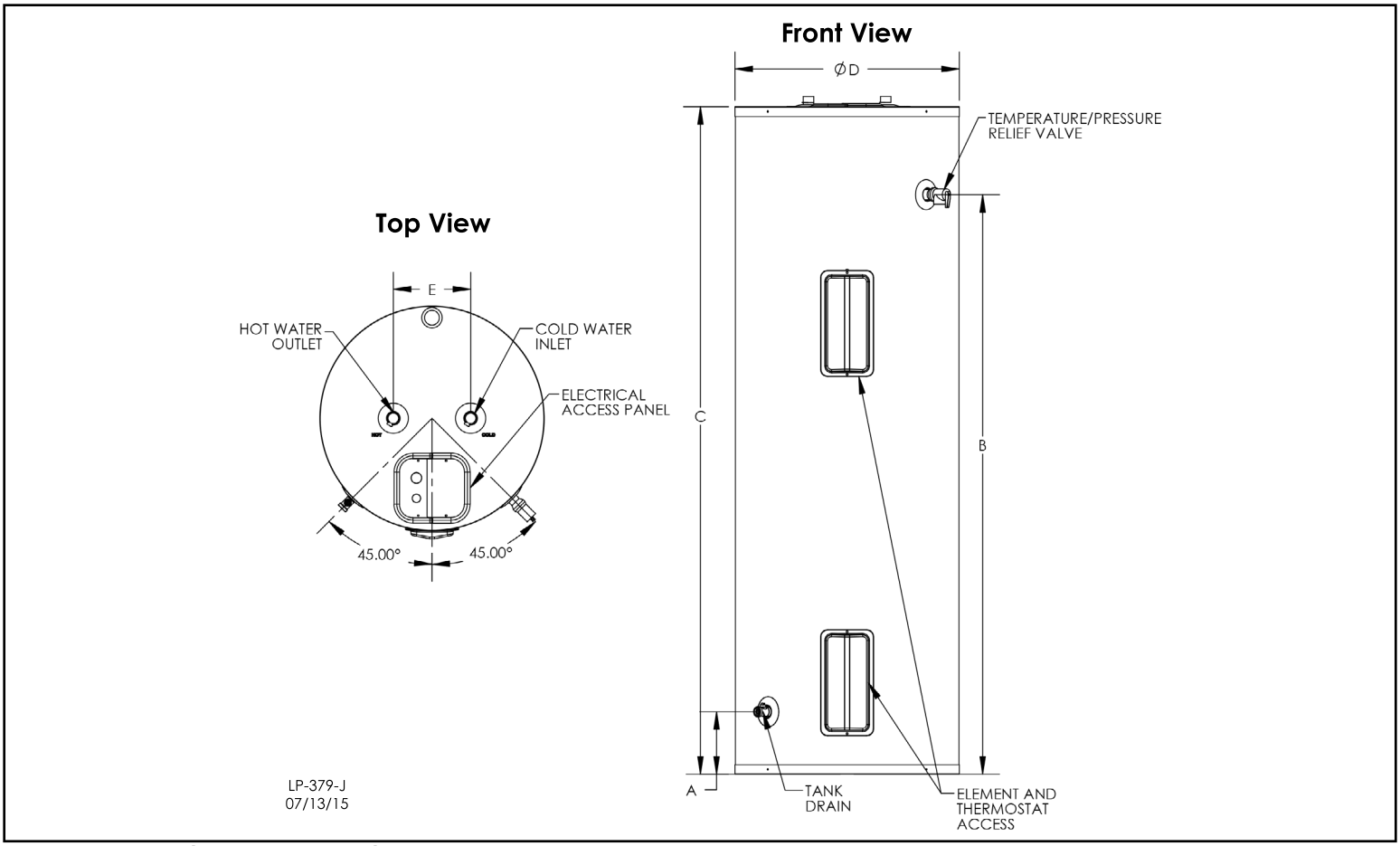


Figure 1 - Dimensional Drawing - Non-Simultaneous Operation

Specifications and Dimensions										Water Temperature Ratings		
Light Commercial Models	**Storage Capacity**	**A**	**B**	**C**	**D**	**E**	**Safety Listing**	**Hot / Cold Inlets**	**Shipping Weight (Lbs. Est.)**	**Min. Delivered Temp.**	**Max. Delivered Temp.**	**High Temp. Limit**
EVC080C2X* **	80	6 1/2"	60"	69"	23 1/4"	8"	UL 1453	3/4" NPT	151	**120°F** (48.8 C)	**181°F** (82.8 C)	**200°F** (93.3 C)
EVC100C2X* **	100	7 1/4"	52"	61"	27"				206			
EVC115C2X* **	115		60 1/4"	69"					224			

Table 1 - Specifications and Dimensions - * Refers to Electrical Specifications - See Table Below for Electrical Specifications**

Model #	# Elements and Thermostats	Available Wattage	Voltage	Full Load Current in Amps (Single Phase)
EVC*C2X030**	2	3,000	240	13
EVC*C2X045**		4,500		19
EVC*C2X055**		5,500		23

Table 2 - Electrical Specifications Including Corresponding Wattages / Voltages / Amperages - * Refers to Model Type and Gallon Size - See Table Above for Model Specifications and Dimensions**

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 240 volts, single phase, non-simultaneous 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.

Water heaters shall be supplied with ¾" NPT brass inlet and outlet connections with built-in heat traps and a full port brass drain valve.

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. All water heaters will be shipped with an ASME Rated temperature and pressure relief valve.

Water heaters shall be covered by a lifetime 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.