



# COMPACT ELECTRIC BOOSTER WATER HEATERS

Models C-4, -5, -6, -7, -9, -12, -13, -15, -17, -18, -24, -27, -30, -36, -39, -45, -54, -58

The Hatco Compact Electric Booster Water Heater provides all the 180°F (82°C) final rinse water required to sanitize and flash-dry dishes and flatware.

## FLEXIBILITY

The space saving Compact is easy to install next to the dishwasher with slide brackets or on 6" (15 cm) legs. The storage capacity is 6 or 8 gallons (23 or 30 liters).

## QUALITY

The following features assure the finest performance for years to come.

- All models include a Castone® lined tank with a 10 year limited warranty.
- Features include a temperature/pressure relief valve, a cast iron pressure reducing valve, two temperature/pressure gauges, a high temperature limit control, pilot indicator light, on/off switch and a low water cut-off to prevent element burnout due to a low water condition.
- Available with slide brackets for mounting under a dishtable.
- Each booster has fiberglass insulation to minimize heat loss.
- Hatco electric booster heaters are factory pre-plumbed and pre-wired with calibrated immersion thermostat and high temperature limit switch.
- A stainless steel front panel and powder coated silver gray hammertone body is standard on all Compact models.
- Removable front panels make access to controls easy and convenient.



Model C-24 on  
6" (15 cm) legs



Model C-18 on  
6" (15 cm) legs

Water Temperature Recovery Table

Compact Model	40°F (22°C) Rise	70°F (39°C) Rise
C-4	40 gph ( 151 lph)	23 gph ( 87 lph)
C-5	50 gph ( 189 lph)	29 gph ( 110 lph)
C-6	60 gph ( 227 lph)	34 gph ( 129 lph)
C-7	70 gph ( 265 lph)	40 gph ( 151 lph)
C-9	90 gph ( 341 lph)	52 gph ( 197 lph)
C-12	120 gph ( 454 lph)	69 gph ( 261 lph)
C-13	135 gph ( 511 lph)	77 gph ( 292 lph)
C-15	151 gph ( 572 lph)	86 gph ( 326 lph)
C-17	173 gph ( 655 lph)	99 gph ( 375 lph)
C-18	181 gph ( 685 lph)	103 gph ( 390 lph)
C-24	241 gph ( 912 lph)	138 gph ( 522 lph)
C-27	271 gph (1026 lph)	155 gph ( 587 lph)
C-30	301 gph (1139 lph)	172 gph ( 651 lph)
C-36	361 gph (1367 lph)	206 gph ( 780 lph)
C-39	391 gph (1480 lph)	224 gph ( 848 lph)
C-45	452 gph (1711 lph)	258 gph ( 977 lph)
C-54	542 gph (2052 lph)	310 gph (1174 lph)
C-58	588 gph (2226 lph)	335 gph (1268 lph)

## WATER QUALITY REQUIREMENTS

Incoming water in excess of 3.0 grains of hardness per gallon (GPG) (.75 grains of hardness per liter) must be treated and softened before being supplied to booster heater(s). Water containing over 3.0 GPG (.75 GPL) will decrease the efficiency and reduce the operating life of the unit.

*Note: Product failure caused by liming or sediment buildup is not covered under warranty.*

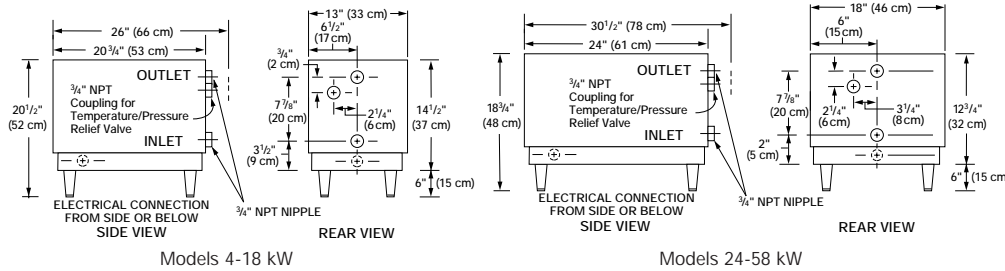


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## DIMENSIONS

4kW to 18kW: 13"W x 20<sup>3</sup>/<sub>4</sub>"D  
(26") x 14<sup>1</sup>/<sub>2</sub>"H without legs  
(33 x 53 (66 cm<sup>2</sup>) x 37 cm).

24kW to 58.5kW: 18"W x 24"D  
(30<sup>1</sup>/<sub>2</sub>"<sup>†</sup>) x 12<sup>3</sup>/<sub>4</sub>"H without legs  
(46 x 61 (78 cm<sup>2</sup>) x 32 cm).

<sup>†</sup> Includes Temperature/Pressure Relief Valve.

## VOLTAGE

208, 240 and 480 volts available.  
Export voltages available.

## SPECIFICATIONS

Model	kW	1-Phase			3-Phase		Shipping Weight
		Volts	Amps	Breaker/Fuse Size	Amps	Breaker/Fuse Size	
C-4	4	208	19	30	-	-	105 lbs. (48 kg)
		240	17	30	-	-	
		480	8	15	-	-	
C-5	5	208	24	30	-	-	105 lbs. (48 kg)
		240	21	30	-	-	
		480	10	15	-	-	
C-6*	6	208	29	40	25*	40	118 lbs. (54 kg)
		240	25	40	22*	30	
		480	-	-	11*	15	
C-7*	7	208	34	50	29*	40	118 lbs. (54 kg)
		240	29	40	25*	40	
		480	-	-	13*	20	
C-9*	9	208	43	60	38*	50	118 lbs. (54 kg)
		240	38	50	33*	50	
		480	-	-	16*	20	
C-12	12	208	58	90	33	50	120 lbs. (54 kg)
		240	50	70	29	40	
		480	-	-	14.5	20	
C-13	13.5	208	65	90	38	50	120 lbs. (54 kg)
		240	56.3	90	33	50	
		480	-	-	16.3	30	
C-15	15	208	72	90	41.7	60	120 lbs. (54 kg)
		240	62.5	90	36.1	50	
		480	-	-	18.1	30	
C-17 <sup>‡</sup>	17.2	208	-	-	47.9	60	120 lbs. (54 kg)
C-18 <sup>§</sup>	18	208	86.5	125	-	-	120 lbs. (54 kg)
		240	75	100	43.4	60	
		480	-	-	21.7	30	

Model	kW	1-Phase			3-Phase		Shipping Weight
		Volts	Amps	Breaker/Fuse Size	Amps	Breaker/Fuse Size	
C-24	24	208	115.4	150	67.7	90	142 lbs. (64 kg)
		240	100	125	57.8	90	
		480	-	-	29.9	40	
C-27	27	208	129.8	175	75	100	142 lbs. (64 kg)
		240	112.5	150	65	90	
		480	-	-	32.5	50	
C-30	30	208	144	200	83.3	125	142 lbs. (64 kg)
		240	125	175	72.3	100	
		480	-	-	36	50	
C-36	36	208	173	225	100	125	142 lbs. (64 kg)
		240	150	200	86.7	125	
		480	-	-	43.3	60	
C-39	39	208	187.5	250	108	150	142 lbs. (64 kg)
		240	163.5	225	94	125	
		480	-	-	47	60	
C-45*	45	208	-	-	125	175	142 lbs. (64 kg)
		240	188	250	108	150	
		480	-	-	54	70	
C-54**	54	208	-	-	150	200	142 lbs. (64 kg)
		240	-	-	130	175	
		480	-	-	65	90	
C-58**	58	208	-	-	162.5	225	142 lbs. (64 kg)
		240	-	-	141	200	
		480	-	-	71	90	

\* Only 6, 7 & 9kW Models, 208 and 240 volts only, can be field converted to single phase (units are shipped 3-phase open delta). Larger branch circuit required than for balanced 3-phase of equal kW. (Balanced 3-phase available, consult factory).

<sup>‡</sup> 17.2kW Models available in 208 V 3-phase only.

<sup>§</sup> 18kW Models not available in 208 V 3-phase.

• Not available in 208 V single phase.

\*\* Not available in 208 V or 240 V single phase.

## OPTIONS (NOT FOR RETROFIT)

- All Stainless Steel Body and Base
- Slide Brackets (In lieu of Standard 6" (15 cm) Legs)
- Adjustable Stainless Steel Legs 6" to 8" (15 to 20 cm)
- Brass Pressure Reducing Valve with By-Pass

- Floor Mounting Hardware

## ACCESSORIES

- Blended Phosphate Water Treatment System
- Shock Absorber - to reduce water hammer

## ARCHITECT SPECS Booster Water Heaters

The electric Booster Water Heater to supply the final 180°F (82°C) rinse for the dishwasher shall be a Hatco ...Model No. ....as manufactured for commercial use by the Hatco Corporation, Milwaukee, WI 53234 U.S.A.

The booster shall have the capacity to heat ....gph (lph) from 120°F to 180°F (49°C to 82°C) and it shall be rated at ....kW, ....volts, ....phase. The tank shall be designed for a working pressure of 150 psi (1034 kPa) and hydrostatically tested at 300 psi (2069 kPa) with a Hatco Castone® lining.

The heater shall be complete with all internal plumbing, including 3/4" NPT pipe and fittings for inlet and outlet. All controls shall be built-in, including contactors and prewired in accordance with

UL #1453 and NEC 422-27. Proper surface mounting circuit breaker or fused disconnect switch shall be provided by electrical contractor.

Electric heating elements shall be metal sheathed, controlled by a close tolerance immersion thermostat. The booster shall be protected with high temperature limit switch (ECO) and low water cut-off.

The heater shall consist of stainless steel body, base and stainless steel adjustable legs or stainless steel front and silver-gray hammertone body with standard 6" (15 cm) legs.

The heater shall include a temperature/pressure relief valve, high-temperature pressure reducing valve with bypass, two indicating temperature/pressure gauges and shock absorber.

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