



Project _____
 Item # _____
 Quantity _____

3CS Sanitizing Sink Heaters

Models: 3CS-3, -4, -6, -9,
 3CS-3B, -4B, -6B, -9B

The Hatco 3CS Sanitizing Sink Heater makes manual warewashing faster and more convenient. Designed to fit under the center of the sink, it maintains a continuous supply of sanitizing rinse water without taking up valuable sink space.

Standard features

- Perfect for 3- or 4-compartment sinks, pot and pan sinks and bar sinks
- Stainless steel front, powdercoated silver-gray hammertone body and convenient side drain
- Equipped with an Energy Cut-Off (ECO) for built-in protection against higher-than-normal water temperature
- Power On/Off toggle switch activates the heater, and a yellow light indicates when power is on
- A red light is an overtemp indicator pointing out the need to refill unit with water and reset
- Meets NSF Standard of 180°F (82°C) for dish sanitizing
- Shipped ready to install with all gaskets and fittings, as well as a five-year limited warranty



3CS-9 with optional temperature monitor

Options (available at time of purchase only)

- All Stainless Steel Body and Base
- Temperature Monitor (Built-in) (Not available with Light)
- Temperature Light (Not available with Monitor)
- CSA Wiring (Canada only)
- Security Package (Torx® Screws and Control Cover)
- 480 Volt
- Shipboard use

Accessories

- Flush Kit (Flush Hose, Stopper and Adapter)

For operation, location and safety information, please refer to the Installation & Operating Manual.



HATCO CORPORATION | P.O. Box 340500 Milwaukee, WI 53234-0500 U.S.A.
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3CS Sanitizing Sink Heaters

Models: 3CS-3, -4, -6, -9, 3CS-3B, -4B, -6B, -9B

SPECIFICATIONS 3CS Sanitizing Sink Heaters

The shaded areas contain electrical information for International models only

Model	Sink Area	Voltage 50/60Hz	kW	Phase	Amps	Wiring Sizing AWG [†]	Fuse or Circuit Breaker [‡]	Ship Weight*	
3CS-3	15" (381 mm) Sq. or less	208	3.0	Single	14.4	12	20	24 lbs. (11 kg)	
		240			12.5				
		480			6.3	14	15		
		220-230-240	2.5-2.8-3.0	Single	11.5-12.0-12.5	12	20		24 lbs. (11 kg)
3CS-4	16"-18" (406-457 mm) Sq.	208	4.5	Single	22	10	30	24 lbs. (11 kg)	
		240			18.8				
		480	4.5	Three [‡]	9.4	14	15		
		220-230-240	3.8-4.1-4.5	Three [‡]	17.2-18.0-18.8	10	30		24 lbs. (11 kg)
		380-400-415	3.8-4.1-4.5		9.9-10.4-10.8	14	15		
3CS-6	19"-21" (483-533 mm) Sq.	208	6.0	Single	29	8	40	26 lbs. (12 kg)	
		240			25				
		480			12.5	12	20		
		220-230-240	5.0-5.5-6.0	Single	23-24-25	8	40		26 lbs. (12 kg)
		208	6.0	Three [‡]	25	8	40	26 lbs. (12 kg)	
		240			21.7				10
		480			10.8	14	15		
		380-400-415	5.6-6.3-6.7	Three [‡]	14.8-15.6-16.2	12	20	27 lbs. (12 kg)	
3CS-9	21"-25" (533-635 mm) Sq.	208	9.0	Single	43.3	4	60	27 lbs. (12 kg)	
		240			37.5	6	50		
		480			18.8	10	30		
		208	9.0	Three [‡]	37.5	6	50	27 lbs. (12 kg)	
		240			32.5				8
		480			16.2	12	20		
3CS-3B	15" (381 mm) Sq. or less	208	3.0	Three (Bal.)	8.3	14	15	30 lbs. (14 kg)	
		240			7.2				
		480			3.6				
		380-400-415	2.8-3.1-3.4	Three (Bal.)	4.3-4.5-4.7	14	15		30 lbs. (14 kg)
3CS-4B	16"-18" (406-457 mm) Sq.	208	4.5	Three (Bal.)	12.5	12	20	30 lbs. (14 kg)	
		240			10.8				
		480			5.4				
		380-400-415	3.8-4.1-4.5	Three (Bal.)	5.7-6.0-6.2	14	15		30 lbs. (14 kg)
3CS-6B	19"-21" (483-533 mm) Sq.	208	6.0	Three (Bal.)	18.8	10	30	30 lbs. (14 kg)	
		240			14.4	12	20		
		480			7.2	14	15		
		380-400-415	5.6-6.3-6.7	Three (Bal.)	8.6-9.0-9.4	14	15		30 lbs. (14 kg)
3CS-9B	21"-25" (533-635 mm) Sq.	208	9.0	Three (Bal.)	25	10	40	33 lbs. (15 kg)	
		240			21.7		30		
		480			10.8	14	15		
		440	9.0	Three (Bal.)	11.8	15	15	33 lbs. (15 kg)	
		380-400-415	7.5-8.3-9.0		11.4-12.0-12.5	12	20		

[‡] Wire size is based on THHN wire for branch circuit protection at 0.91 derate factor. Circuit breakers and fused disconnects are to be mounted remote and wired by contractor. Sizes are based on the 2002 NEC table 310-16. Conduit size based on conductors plus ground wire sizing per Table C1 from Appendix C.

[†] Based upon THHN wire rated 90°C.

* Shipping weight includes packaging.

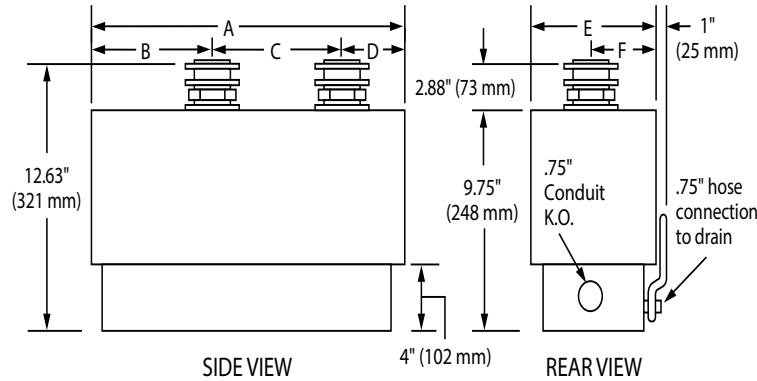
[‡] Open Delta—standard construction (Amperage higher than Balanced 3-phase).

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3CS Sanitizing Sink Heaters

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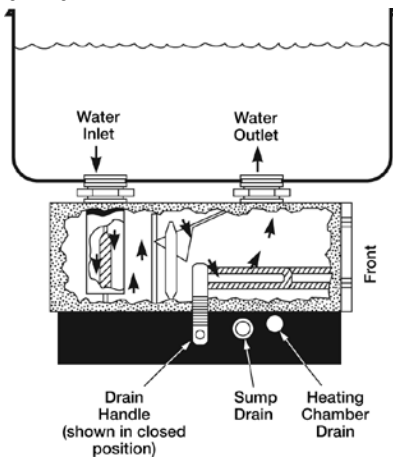
Dimensions

Model	A	B	C	D	E	F
3CS-3, -4, -6, -9 (1- or 3-Phase)	16.88" (429 mm)	5.5" (140 mm)	8.5" (216 mm)	2.88" (73 mm)	6.75" (171 mm)	3.38" (86 mm)
3CS-9 480V (1- or 3-Phase)	17.13" (435 mm)	4.63" (117 mm)	8.5" (216 mm)	4" (102 mm)	8" (203 mm)	4" (102 mm)
3CS-3B, -4B, -6B, -9B (Bal. 3-Phase)	17.13" (435 mm)	4.63" (117 mm)	8.5" (216 mm)	4" (102 mm)	8" (203 mm)	4" (102 mm)

SIZING INFORMATION

For a Sink Heater: MINIMUM 2000 WATTS (2.2 WATTS PER SQUARE CM) PER SQUARE FOOT of vessel top.

3CS Sink Heaters are sized based on 140°F supply water with a 30 minute preheat period to reach the sanitizing temperature. Sink Heaters are mounted into the third compartment sink with standard plumbing fittings provided. Two 2" diameter holes are required for these fittings and a full size template is provided to locate holes in the sink. The 3CS Sink Heater is easily attached to the plumbing fittings with self-contained unions.



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 hot water dispenser(s). Water containing over 3.0 GPG (.75 GPL) will decrease efficiency and reduce the operating life of the unit.

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

PRODUCT SPECS 3CS Sanitizing Sink Heaters

The electric heater shall be manufactured by the Hatco Corporation, Milwaukee, WI 53234 U.S.A.

The electric heater to maintain the final sanitizing rinse in a third compartment sink shall be rated at ... kw, ... volts, ... phase. The heater shall be complete with all internal plumbing and wiring ready for external installation to the bottom of sink.

The heater tank shall be of stainless steel construction and dual reservoir design; one reservoir to contain a permanently submerged heating element, the other to trap and collect soil which can be emptied easily by a convenient drain.

The sink heater shall be equipped with an On/Off reset switch and optional indicator lights (or gauge) to signal operating conditions.

The heater shall consist of stainless steel front and powder-coated silver-gray hammertone body (or stainless steel body and base).

Warranty consists of 24/7 parts and service assistance (U.S. and Canada only).

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