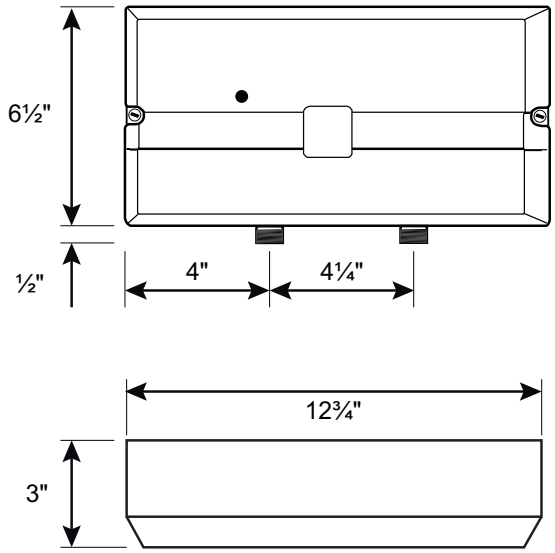
TRONIC
US3 / US6 / US7 / US9
Electric Tankless Water Heaters

Engineering Submittal Sheet

BOSCH

Dimensions



Engineering Specifications

Water heater shall be a Model TRONIC US3, US6, US7, or US9.

Installation shall consist of __Model TRONIC US9 electric tankless water heaters as distributed by Bosch Thermotechnology Corp. with a thermal efficiency of 99%. Supply voltage shall be 240VAC (208VAC) with a maximum output of 9.5kW in high stage and 4.75kW in low stage. Minimum flow rate shall be 0.75gpm

Installation shall consist of __Model TRONIC US6 electric tankless water heaters as distributed by Bosch Thermotechnology Corp. with a thermal efficiency of 99%. Supply voltage shall be 277VAC with a maximum output of 6.0kW. Minimum flow rate shall be 0.5gpm

Installation shall consist of __Model TRONIC US3 electric tankless water heaters as distributed by Bosch Thermotechnology Corp. with a thermal efficiency of 99%. Supply voltage shall be 110-120VAC with a maximum output of 3.4kW in high stage and 3.0kW in low stage. Minimum flow rate shall be 0.5gpm

Installation shall consist of __Model TRONIC US7 electric tankless water heaters as distributed by Bosch Thermotechnology Corp. with a thermal efficiency of 99%. Supply voltage shall be 240VAC (208VAC) with a maximum output of 7.2kW in high stage and 5.4kW in low stage. Minimum flow rate shall be 0.75gpm

The tankless water heaters shall be UL listed for the US and Canada and UPC certified.

CONSTRUCTION
Water heater shall be electricity powered with compact tankless design. Primary heat exchanger shall be made from solid copper tubing, elements shall be copper-sheathed and unit shall be protected by a tough plastic housing. Heat exchanger shall be rated for maximum working pressure not less than 150 psig. Water heater shall be equipped with a flow switch. Water connections for inlet and outlet shall be ½" NPT male.

The internal controls shall contain a power selector and a high temperature safety cut-out with manual reset.

Bosch Thermotechnology Corporation
Londonderry, NH • Ft. Lauderdale, FL • Irvine, CA

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TRONIC US3 / US6 / US7 / US9
Electric Tankless Water Heaters

BOSCH

Engineering Specifications

INSTALLATION
All aspects of installation of Water Heater Plant shall be in strict accordance with manufacturer's instructions. Materials shall conform to all manufacturer's recommendations including electrical connections and wiring.

Water heater piping shall be field constructed of materials as specified. Water heater shall be installed with individually isolating shutoff valves for service and maintenance.

Unit shall be installed in close vicinity of point of use.

OPERATION
The appliance shall have a high setting with two elements energized and an output and a low setting with one element energized.

WARRANTY
The heating element shall carry a 5-year warranty against leakage. All other parts and components shall carry a 1 year warranty against defects in materials or workmanship.

Technical data

Description	Unit	US3	US6	US7	US9
Part number	–	7-736-500-685	7-736-500-686	7-736-500-684	7-736-500-687
Voltage supply	V AC	110-120	277	240 (208)	240 (208)
Minimum circuit breaker size	A	30	25	30	40
Maximum output	kW	3.4 -3.0	6.0	7.2 (5.4)	9.5 (7.1)
Maximum output on low kW setting [2)]	kW	–	3.0	3.6 (2.7)	4.8 (3.6)
Minimum recommended wire size	AWG	10	10	10	8
Thermal efficiency	%	99	99	99	99
Water pressure range	psi	10 - 150	10 - 150	10 - 150	10 - 150
Activation flow rate	GPM	0.5	0.5	0.75	0.75
Maximum inlet water temperature [1)]	° F	≤ 86	≤ 86	≤ 86	≤ 86
Inlet / Outlet connections	Inch	½" NPT	½" NPT	½" NPT	½" NPT
Weight (without water)	lbs	5	5	5	5
Certifications	–		c UL us LISTED	NSF/ANSI 61 UPC	

[1)] Do not use heater for water temperature boosting applications
[2)] High/Low kw settings possible within some models

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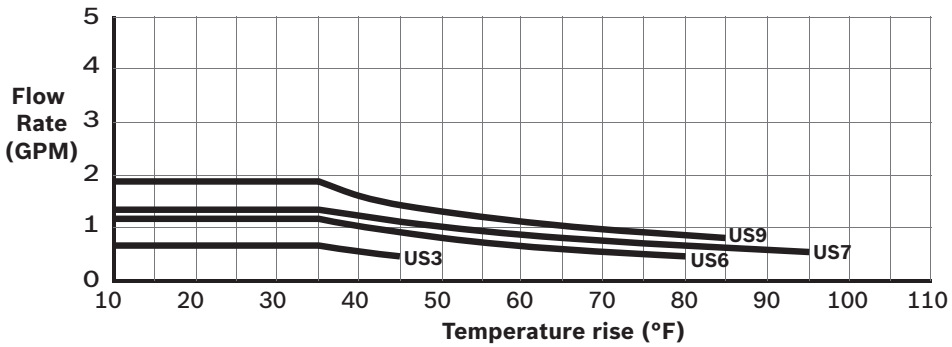
Water Heating Capacity Curve

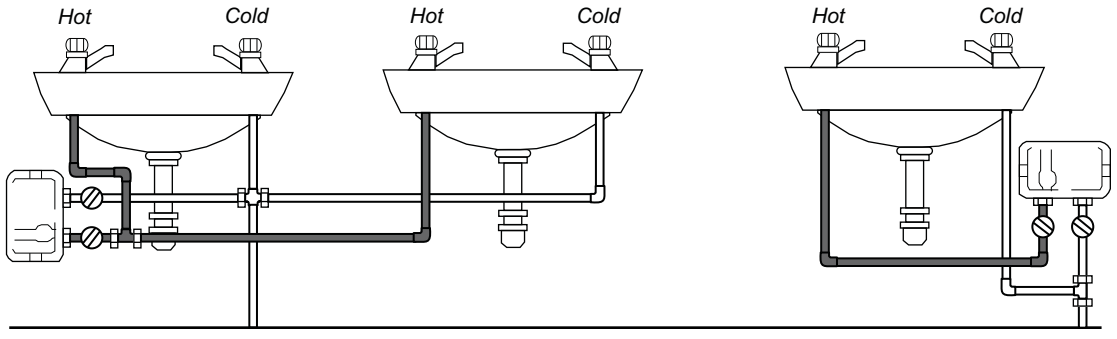


Water Heating Capacity Data

Temperature Rise °F*	Flow Rate GPM			
	US3	US6	US7	US9
95	N/A	N/A	0.5	N/A
90	N/A	N/A	0.5	N/A
75	N/A	0.5	0.7	0.9
65	N/A	0.6	0.8	1.0
55	N/A	0.7	0.9	1.2
45	0.5	0.9	1.1	1.4
35	0.7	1.2	1.4	1.9

* On maximum temperature setting

Installation examples



Front view

NOTE; Appliance must be installed only as shown in order to ensure flow switch activation

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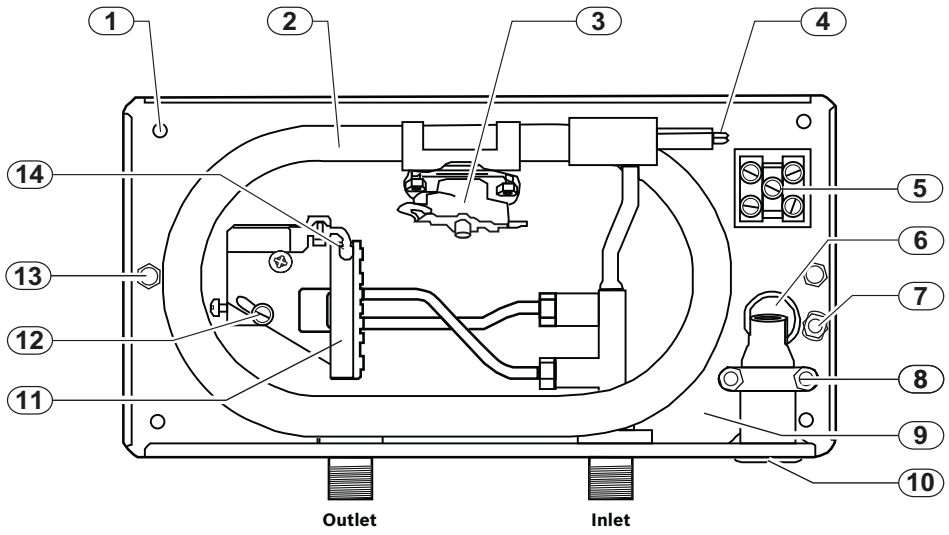
Tankless Components



Components Legend

1	Mounting hole
2	Heat exchanger tube
3	Thermal cut-out (manual re-set)
4	Heating elements
5	Terminal block
6	Cable rear entry
7	Ground stud
8	Cable clamp
9	Heater backplate
10	Cable bottom entry
11	Flow switch
12	Power selector
13	Cover fixing screw
14	Neon light

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