

electric. tankless. breakthrough.

optimal°

opti12



opti18



opti27



25-year residential warranty

Covers the heat exchanger AND electronic parts.

ultrasonic flow sensor

Removes the biggest failure in other tankless: the paddled or bullet flow meter.

99% efficiency provides continuous hot water on demand.

advanced heating algorithm Keeps output temperature within $\pm 1^\circ$ of target

smart home compatible Opti+ models come wifi enabled with app available on iOS and Android.

built in diagnostics Easily troubleshoot issues and get performance metrics.

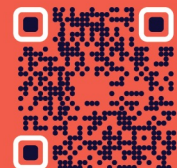
more about us

We make the most innovative and reliable water heater in the electric tankless product category.

- Founders with over 20-years of tankless experience.
- Products invented and designed in the U.S.
- Based in Miami, FL.
- In-house customer service.
- Simple, field serviceable parts.
- Patented design and proprietary technology

that's optimal°

scan for more info



optimal° specs

For Point of Use, Multiple Applications, and Whole Home Water Heating



product line specs

electrical specs

	opti12	opti18	opti27
kW	12	18	27
Max AMP draw	57	75	112
Breaker	1 x 60 AMP DP	2 x 40 AMP DP	3 x 40 AMP DP
Rated voltage*	208	240	240
Voltage range of operation	180V - 260V	180V - 260V	180V - 260V
Wire	2 x 6 AWG	2 x 8 AWG	4 x 8 AWG
Hertz	50/60	50/60	50/60
Energy efficiency	99%	99%	99%
Number of elements	2	2	3
Element type	Copper-sheathed immersion with brass threaded top		
Punchout diameter	0.912	0.912	TBD

plumbing specs

Heat exchanger	Welded copper	Welded copper	Welded copper
Inlet/ outlet connection size + type	3/4" NPT	3/4" NPT	3/4" NPT
Dynamic operating pressure	25 PSI - 150 PSI	25 PSI - 150 PSI	25 PSI - 150 PSI
Max flow allowable (GPM)	5	10	10
Activation flow rate (GPM)	0.25	0.25	0.25
Max flow at 35°F temperature rise (GPM)	2.5	3.5	5.25

technical specs

Temperature setting	Digital	Digital	Digital
Temperature setting range	80°F - 140°F	80°F - 140°F	80°F - 140°F
Setting increments	1°	1°	1°
Temperature accuracy at steady flow	+/- 1°	+/- 1°	+/- 1°
Display	LED	LED	LED
Dimensions (H x W x D)	12.5" x 11.5" x 3.5"	16.9" x 11.4" x 3.5"	17.22" x 14.50" x 3.52"
Weight	7.5 lbs	11 lbs	pending
Installation type	Indoor use/ Wall mounted	Indoor use/ Wall mounted	Indoor use/ Wall mounted
Warranty (exchanger + parts) - residential	25 year	25 year	25 year
Warranty (exchanger + parts) - non-residential	5 year	5 year	5 year
Lead-free certification standard	UL 499/ CSA C22.2#64	UL 499/ CSA C22.2#64	UL 499/ CSA C22.2#64
Safety certification standard	NSF/ANSI/CAN 372:2022	NSF/ANSI/CAN 372:2022	NSF/ANSI/CAN 372:2022
Testing body	Intertek	Intertek	Intertek
Listing/ Control number	ETL / 5027081	ETL / 5027081	ETL / 5027081

*Based on rating of heating elements. 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

applications

- Water-Saver Shower Head 1.0 GPM
- Standard Shower Head 2.5 GPM
- Standard Hand Sink 1.5 GPM
- Kitchen Sink 1.8 to 2.0 GPM
- Bath Tub ≥ 4 GPM
- Dishwasher 0.5 to 1.0 GPM
- Washing Machine 1.0 to 1.5 GPM

Average Gallons Per Minute (GPM) based on 2010 Plumbing Standards

Max Temp Rise by Model based on Inlet Temp (outlet 105 °F)

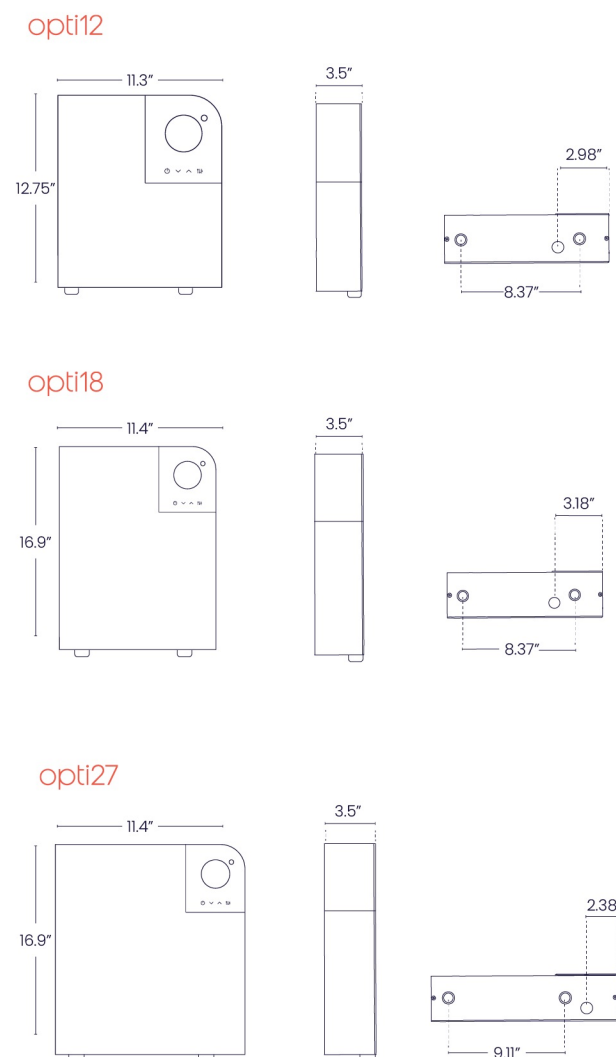
	37	42	47	52	57	62	67	72	77
opti12	1.2	1.3	1.4	1.5	1.7	1.9	2.1	2.5	2.9
opti18	1.8	1.9	2.1	2.3	2.6	2.8	3.2	3.7	4.4
opti27	2.7	2.9	3.2	3.5	3.8	4.3	4.8	5.6	6.6

Max Temp Rise by Model based on Flow

	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5	6
opti12	*	82	54	41	33	27	20	16	14
opti18	*	*	82	61	49	41	31	24	20
opti27	*	*	*	92	73	61	46	37	31

*Will reach heater max output of 140°F

product dimensions



*Electrical punchout distance is measured from center
 *Distance for inlet/ outlet is center to center
 *Height includes inlet and outlet connections (0.5") at bottom

