

# American Standard®

WATER HEATERS

Commercial Line

## ULTRA LOW NOx Heavy Duty Commercial Gas Water Heater

Designed as the Universal Replacement for ALL brands of Non-ULTRA LOW NOx commercial models

Ultra Low NOx Heavy Duty Commercial Product Offering - The most complete line  
- 12 models ranging from 125,000 btu - 512,000 btu input.

### Easy Replacement Features

- **Reduced Installation Costs!** Adjusts to use existing & prior approved ventilation systems.
- **Use American Standard Commercial Gas Water Heaters as the Universal Replacement for All Brands.** Uses same location for water connection & gas piping as model(s) being replaced. Offers 2" front & back water connection and 1 1/2" top connection on selected models. Front & back are plugged for your convenience.
- **DURA-GLAS Enamel, Heavy Duty Multi-Flue Steel Tank** - fired at 1600 degree for optimal tank protection from the effects of corrosion.
- **R-8 Foam Insulated**
- **Automatic Motorized Flue Damper** - to reduce heat loss during standby periods for lowest operating costs.
- **Electronic Direct Spark Ignition System** - Saves fuel by eliminating constant burning pilot.
- **Four Anode Rods** - to ensure maximum tank life.
- **Fully Adjustable Controls** - to 180 degree temperature.
- **Turbulence-inducing Cold Water Inlet Dip Tube on 1 1/2" Top Water Connections** - to reduce settlement of hard water sediment.
- **Factory Installed Temperature/Pressure Relief Valve.**
- **Easy Access Full Size Inspection Port/Hand Hole Clean Out.**

**ULTRA LOW NOx Burner - Exceeds California SCAQMD  
& BAAQMD Requirements.**



**THREE YEAR LIMITED TANK WARRANTY** on inner glass lined tank and one year limited warranty on all other components. Ask about upgrading the warranty to 5 years at time of sale with additional anode rod protection.

**APPROVED RATINGS & CERTIFICATIONS:**  
ETL Design Certified in accordance with ANSI Z21.10.3 for up to 180 degree operation as an automatic storage and/or automatic circulation tank heater and meets ASHRAE 90.1-1999.

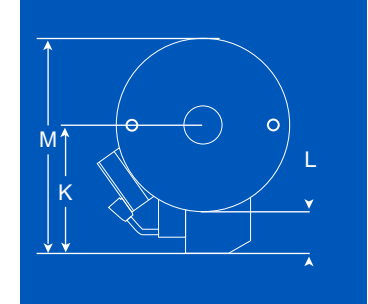
CEC listed, ETL certified to meet NSF/ANSI 5 Standards.

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2808 Metropolitan Place, Pomona, CA 91767  
(800) 900-9063 \* (909) 392-0230 \* FAX (909) 392-7302

DIMENSIONS SHOWN IN INCHES

MODEL	EXTERIOR DIMENSIONS			VENT	TOP PIPE SIZE	REAR & FRONT WATER CONN.	WATER I.P.S. CONNECTIONS (TOP, REAR & FRONT)				GAS I.P.S. CONN		HGT. TO T&P OPENING	T&P OPENING	WIDTH WITH BLOWER		
							HGT. TO TOP WATER	TOP WATER SPREAD	HGT. TO REAR & FRONT HOT	HGT. TO REAR & FRONT COLD	HGT.	SIZE			K	L	M
	A	B	C				D	E	F	G	H	J					
ULN 80-125 AS				5 in	1 1/2 in	2 in					4 in	3/4 in	3/4 in	20.00 in	6.75 in	33 1/4 in	
ULN 80-165 AS	72 1/2 in	26 1/4 in	65 in	69 in			19 5/8 in	55 1/2 in	29 1/4 in	57 7/8 in							
ULN 80-180 AS				64 5/8 in			21 1/4 in	52 in	18 3/4 in	53 1/2 in							
ULN 80-199 AS	66 3/4 in	28 1/4 in	60 1/2 in	74 1/2 in			21 1/4 in	62 in	18 3/4 in	63 1/2 in							
ULN 100T-199 AS	76 1/2 in	28 1/4 in	70 1/2 in														
ULN 100-199 AS	73 7/8 in	30 1/4 in	65 5/8 in														
ULN 100-250 AS																	
ULN 100-270 AS	73 5/8 in					67 5/8 in	23 5/8 in	57 3/8 in	20.00 in	58 7/8 in							
ULN 100-300 AS				7 in													
ULN 80-365 AS	75 3/4 in	30 1/4 in	66 1/4 in	8 in	N/A	N/A	N/A	N/A	57 in	19 1/4 in	4 1/2 in	58 1/4 in	1.00 in	22.00 in	37.25 in		
ULN 80-399 AS	75 5/8 in	30 1/4 in	66 1/4 in	10 in													
ULN 80-512 AS	72 1/4 in	30 1/4 in	66 1/4 in														

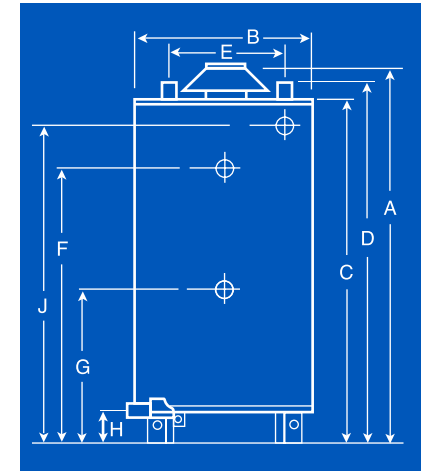


MAXIMUM HOT WATER DELIVERABILITY AT VARIOUS TIME PERIODS

MODEL NUMBER	STORAGE CAPACITY U.S. GALLONS	ONE HOUR RECOVERY 100° RISE	1ST HOUR	2 HOURS	3 HOURS	GPM REC. 100° RISE
ULN 80-125 AS	80	121	177	298	419	2
ULN 80-165 AS	80	160	216	376	536	2.7
ULN 80-180 AS	80	175	231	406	581	2.9
ULN 80-199 AS	80	201	257	458	659	3.3
ULN 100T-199 AS	100	196	266	462	658	3.3
ULN 100-199 AS	100	196	266	462	658	3.3
ULN 100-250 AS	100	246	316	562	808	4.1
ULN 100-270 AS	100	264	334	598	862	4.4
ULN 100-300 AS	100	301	371	672	973	5.0
ULN 80-365 AS	80	356	412	768	1124	5.9
ULN 80-399 AS	80	391	447	838	1229	6.5
ULN 80-512 AS	80	475	531	1006	1481	7.9

SPECIFICATIONS

MODEL	TANK GALLONS CAPACITY	BTU INPUT NAT GAS	REC GPH 100 RISE	THERM EFF%
ULN 80-125 AS	80	125,000	121.4	80.22%
ULN 80-165 AS	80	165,000	155.6	80.29%
ULN 80-180 AS	80	180,000	174.5	80.04%
ULN 80-199 AS	80	199,000	200.8	80.66%
ULN 100T-199 AS	100	199,000	196.0	81.28%
ULN 100-199 AS	100	199,000	197.1	81.39%
ULN 100-250 AS	100	250,000	246.5	81.03%
ULN 100-270 AS	100	270,000	264.0	80.35%
ULN 100-300 AS	100	300,000	301.6	81.66%
ULN 80-365 AS	80	365,000	355.5	80.36%
ULN 80-399 AS	80	399,000	390.7	80.79%
ULN 80-512 AS	80	512,000	474.8	81.20%



RECOVERY IN GALLONS PER HOUR AT VARIOUS TEMPERATURE RISES

MODEL NUMBER	BTU INPUT	TEMPERATURE RISE										
		40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°
ULN 80-125 AS	125,000	299.0	239.2	199.3	170.9	149.5	132.9	121.0	108.7	99.6	92.0	85.4
ULN 80-165 AS	165,000	395.2	316.2	263.5	225.8	197.6	175.6	155.0	143.7	131.7	121.6	112.9
ULN 80-180 AS	180,000	430.1	344.1	286.7	245.8	215.0	191.1	174.5	156.4	143.3	132.3	122.9
ULN 80-199 AS	199,000	494.5	395.6	329.7	282.6	247.2	219.8	200.8	179.8	164.8	152.1	141.3
ULN 100T-199 AS	199,000	482.6	386.1	321.7	275.8	241.3	214.5	196.0	175.5	160.8	148.5	137.9
ULN 100-199 AS	199,000	485.6	388.5	323.7	277.5	242.8	215.8	197.1	176.6	161.8	149.4	138.7
ULN 100-250 AS	250,000	607.1	485.7	404.7	346.9	303.5	269.8	246.5	220.7	202.3	186.8	173.4
ULN 100-270 AS	270,000	650.0	520.2	433.3	371.4	325.0	288.9	264.0	236.3	216.6	200.0	185.7
ULN 100-300 AS	300,000	742.9	594.3	495.2	424.5	371.4	330.1	301.6	270.1	247.6	228.5	212.2
ULN 80-365 AS	365,000	875.5	700.4	583.6	500.3	437.8	389.1	355.5	318.3	291.8	269.3	250.1
ULN 80-399 AS	399,000	963.0	770.4	642.0	550.3	481.5	428.0	390.7	350.1	321.0	296.3	275.1
ULN 80-512 AS	512,000	1158.5	926.8	772.3	662.0	579.2	514.9	474.8	421.2	386.1	356.4	331.0

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