

# HEAVY DUTY LOW NO<sub>x</sub>

Commercial Gas Water Heaters

*American Standard*<sup>®</sup>

WATER HEATERS

[www.americanstandardwaterheaters.com](http://www.americanstandardwaterheaters.com)

## Features

- **AUTOMATIC MOTORIZED FLUE DAMPER** reduces operating costs during standby periods.
- **ELECTRONIC DIRECT SPARK IGNITION** eliminates the requirement of a standing pilot.
- **AUTOMATIC GAS THERMOSTAT ADJUSTABLE TO 180°F** when installed with a mixing valve, can deliver 180°F sanitizing and 140°F general purpose hot water simultaneously.
- **TOP, FRONT, AND REAR CIRCULATION PORTS** allows for universal installation. 1-1/2" Top connections, 2" front and rear.
- **COMBUSTION CHAMBER DOOR** including hinged knob outside access & sliding inner door to isolate burner and pilot area for added safety.
- **FULL SIZE HAND-HOLE CLEANOUT** for convenient tank inspection and removal of sediment deposits.
- **FULL FLOW BRASS DRAIN VALVE** allows easy and quick drainage.
- **SMALL VENT SIZE & TOP MOUNT WATER CONNECTIONS** allow for universal replacement of other brands.
- **FURNISHED WITH HEAVY GAUGE STEEL LEGS** designed to maximize durability & provide stability during installation.
- **SELF-CLEANING TURBULENCE INDUCING DIP TUBE** engineered to reduce sediment build-up inside the tank.
- **FULL FLOW BRASS DRAIN VALVE** allows easy and quick drainage.
- **FACTORY INSTALLED ENERGY CUT-OFF SYSTEM**
- **FULL FLOW BRASS DRAIN VALVE** allows easy and quick drainage.
- **TEMPERATURE AND PRESSURE RELIEF VALVE** factory provided & installed.

## Performance

- **UP TO 82% THERMAL EFFICIENCY**
- **HFO FOAM INSULATED** – 2 inch-thick, environmentally-friendly insulation foam.
- **DESIGN TESTED & CERTIFIED BY CSA LABORATORIES** – In accordance with ANSI, Z.21.10.3, up to 180°F operation as an automatic storage water heater. CSA tested & Certified to meet NSF/ANSI 5 Standards.

## Quality

- **HEAVY GAUGE STEEL TANK** for extra years of trouble-free service.
- **GLASS-LINED TANK** with DuraGlas™ and fired at 1600°F for optimum protection from the effects of corrosion.
- **EQUIPPED WITH 4 MAGNESIUM ANODE RODS** to prolong tank life.
- **PRESSURE TESTED AT THE FACTORY** – All tanks are hydrostatically tested and certified at 300 PSI test pressure and 150 PSI working pressure.
- **4-YEAR LIMITED TANK WARRANTY** and 1-year limited parts warranty.

75, 80, & 100 Gallon Capacities  
Up to 512k BTU Input  
Natural & LP Gas



Globally Recognized. Industry Respected.



## SPECIFICATIONS AND APPLICATION DATA

www.americanstandardwaterheaters.com

### DIMENSIONS IN INCHES

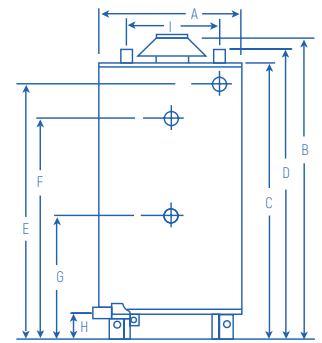
MODEL NUMBER	NOMINAL CAPACITY (GAL)	BTU INPUT NAT & LP GAS	THERMAL EFFICIENCY %	GPH RECOVERY @ 100° RISE	VENT DIAM	JACKET DIAM A	TOP OF VENT B	FLOOR TO							WATER CONNECTIONS DISTANCE I	APPROX. SHIP WEIGHT (LBS)
								TOP OF HEATER C	TOP OF WATER D	SIDE T&P E	FRONT & REAR HOT TOP F	FRONT & REAR COLD BOTTOM G	GAS VALVE CONNECTION H			
D-75-365-AS/ASME	75	365,000	80	358	8	30 1/4	75 3/4	66 1/4	N/A	58 1/4	57	19 1/4	4 3/4	N/A	946/992	
D-75-399-AS/ASME	75	399,900	81	393	8	30 1/4	75 3/4	66 1/4	N/A	58 1/4	57	19 1/4	4 3/4	N/A	963/1012	
D-80-125-AS	80	125,000	80	121	5	26 1/4	73 1/4	67 1/4	70 1/2	57 1/4	55 1/4	22 3/4	4 3/4	19 3/4	597	
D-80-165-AS	80	165,000	80	160	6	26 1/4	75 1/4	67 1/2	70 1/2	57 1/4	55 1/4	22 3/4	4 3/4	19 3/4	631	
D-80-180-AS	80	180,000	80	175	6	26 1/4	75 1/4	67 1/2	70 1/2	57 1/4	55 1/4	22 3/4	4 3/4	19 3/4	628	
D-80-199-AS	80	199,900	81	194	10	28 1/4	68 1/4	60 1/2	64 1/4	53 3/4	52	18 3/4	4 3/4	21 1/4	675	
D-80-512-AS/ASME	80	512,000	82	496	6	30 1/4	72 1/4	66 1/4	N/A	58 1/4	57	19 1/4	4 3/4	N/A	939/1021	
D-100-199-AS	100	199,900	80	194	6	30 1/4	73 3/4	65 3/4	68 1/4	59	57 1/2	20	4 3/4	23 3/4	745	
D-100T-199-AS	100	199,900	81	194	6	28 1/4	78 1/4	70 1/2	74 1/2	63 3/4	62	18 3/4	4 3/4	21 1/4	752	
D-100-250-AS/ASME	100	250,000	81	242	6	30 1/4	73 3/4	65 3/4	68 1/4	59	57 1/2	20	4 3/4	23 3/4	824/866	
D-100-270-AS/ASME	100	270,000	80	262	6	30 1/4	73 3/4	65 3/4	68 1/4	59	57 1/2	20	4 3/4	23 3/4	820/837	
D-100-300 AS/ASME	100	300,000	81	291	7	30 1/4	73 3/4	65 3/4	68 1/4	59	57 1/2	20	4 3/4	23 3/4	815/855	

For propane (LP) gas model add suffix "LP", for SCAQMD review ultra low NOx spec sheet maximum hot water deliverability at various time periods

### RECOVERY IN GALLONS PER HOUR AT VARIOUS TEMPERATURE RISES

MODEL NUMBER	NOMINAL CAPACITY (GAL)	GAS TYPE	BTU INPUT	ONE HOUR RECOVERY @ 100° RISE	1ST HOUR	2 HOURS	3 HOURS	GPM RECOVERY @ 100° RISE	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°
D-75-365-AS/ASME	75	NG or LP	365,000	358	411	769	1,179	5.9	895	716	597	511	448	398	358	326	298	276	256
D-75-399-AS/ASME	75	NG or LP	399,900	393	446	839	1,232	6.6	982	785	654	561	491	436	393	357	327	302	280
D-80-125-AS	80	NG or LP	125,000	121	177	298	419	2.0	303	242	202	173	152	135	121	110	101	93	87
D-80-165-AS	80	NG or LP	165,000	160	216	375	536	2.7	400	320	267	229	200	178	160	145	133	123	114
D-80-180-AS	80	NG or LP	180,000	175	231	406	581	2.9	436	349	291	249	218	194	175	159	145	134	125
D-80-199-AS	80	NG or LP	199,900	194	250	444	638	3.2	485	388	323	277	242	215	194	176	162	149	138
D-80-512-AS/ASME	80	NG or LP	512,000	496	552	1,048	1,544	8.3	1241	933	827	709	621	552	496	451	414	382	355
D-100-199-AS	100	NG or LP	199,900	194	264	458	652	3.2	485	388	323	277	242	215	194	176	162	149	138
D-100T-199-AS	100	NG or LP	199,900	194	264	458	652	3.2	485	388	323	277	242	215	194	176	162	149	138
D-100-250-AS/ASME	100	NG or LP	250,000	242	312	554	796	4.0	606	485	404	346	303	269	242	220	202	186	173
D-100-270-AS/ASME	100	NG or LP	270,000	262	332	594	856	4.4	655	524	436	374	327	291	262	238	218	201	187
D-100-300 AS/ASME	100	NG or LP	300,000	291	361	562	943	4.9	727	582	485	416	364	323	291	265	242	224	208

Note: Recovery rate indicated on heater rating plate is based on 75% (76%) thermal efficiency according to CSA (ANSI, Z21.10.3) Manufacturer reserves the right to make product changes and/or improvements with or without notice.



Requires 120 Volt 60 Cycle AC Power

### SAMPLE SPECIFICATION

Commercial Gas Water Heaters shall be AMERICAN STANDARD WATER HEATERS model \_\_\_\_\_ having a storage capacity of \_\_\_\_\_ gallons, operate on \_\_\_\_\_ gas, with a BTU input of \_\_\_\_\_ and a recovery rate of \_\_\_\_\_ gallons per hour at 100°F temperature rise. Water heater tank interior shall be glass lined with Dura-Glas™, furnished with four anode rods and insulation shall be non-CFC foam of R-8.3. Water heater shall be CSA certified.

### CONNECTION SIZES

MODEL NUMBER	STORAGE CAPACITY	TOP PORT	FRONT & REAR PORTS	GAS CONNECTION	T&P PORT
D-75-365-AS/ASME	75	N/A	2	3/4	1
D-75-399-AS/ASME	75	N/A	2	3/4	1
D-80-125-AS	80	1-1/2	2	1/2	3/4
D-80-165-AS	80	1-1/2	2	1/2	3/4
D-80-180-AS	80	1-1/2	2	1/2	3/4
D-80-199-AS	80	1-1/2	2	1/2	3/4
D-80-512-AS/ASME	80	N/A	2	1	1
D-100-199-AS	100	1-1/2	2	3/4	3/4
D-100T-199-AS	100	1-1/2	2	3/4	3/4
D-100-250-AS/ASME	100	1-1/2	2	3/4	1
D-100-270-AS/ASME	100	1-1/2	2	3/4	1
D-100-300 AS/ASME	100	1-1/2	2	3/4	1



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