

Commercial GAS
Water Heaters
Standard GAS
Heavy Duty

JOB NAME _____
LOCATION _____
ENGINEER _____
MECH. CONTRACTOR _____
MODEL NO. _____
GAS TYPE _____
Btu/hr INPUT _____
RECOVERY RATE IN GPH _____ @ _____ °F RISE

NOTES

Features

HEAVY GAUGE Dura-Glas™ LINED STEEL TANK

- Provides optimal protection against corrosion effects for added years of trouble-free service.

NON CFC FOAM INSULATION

- Maximizes heat retention to save energy & reduce fuel costs.

EQUIPPED WITH 4 ANODE RODS

- Maximizes tank life.

ELECTRONIC DIRECT SPARK IGNITION

- Eliminates the requirement of a standing pilot.

AUTOMATIC MOTORIZED FLUE DAMPER

- Reduces operating costs during standby periods.

FULLY ADJUSTABLE TEMPERATURE SETTINGS

- 24 Volt controls allow simultaneous delivery of 180°F sanitizing & 140°F general purpose hot water.

FACTORY INSTALLED ENERGY CUT-OFF SYSTEM & PRESSURE TEMPERATURE RELIEF VALVE

EFFORTLESS UNIVERSAL / MULTIPLE UNIT REPLACEMENT

- Circulating water connections lines are Top 1 1/2" and 2" Front & Rear.

CERTIFIED TO 300 PSI TEST & 150 PSI WORKING PRESSURES

CSA INTERNATIONALLY CERTIFIED

- Up to 180°F operation as an automatic storage or circulating tank heater.

FULL SIZED HAND-HOLE CLEANOUT

4-YEAR LIMITED TANK & 1-YEAR LIMITED PARTS WARRANTY

- For additional warranty information, review the written warranty or contact your Regional Sales Manager.

SPECIFICATIONS AND APPLICATION DATA

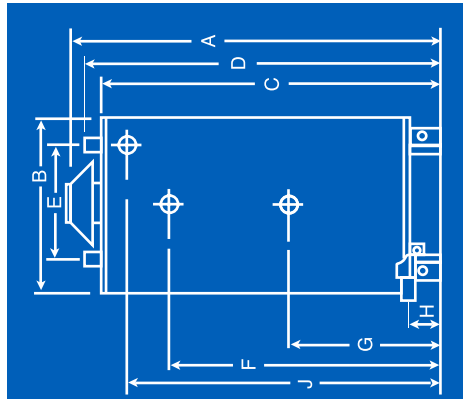
DIMENSIONS SHOWN IN INCHES



SPECIFICATIONS

MODEL NUMBER	TANK GALLONS CAPACITY	BTU INPUT NAT GAS L./P.	REC GPH 100°F RISE	THERM EFF%	Exterior Dimensions			VENT	TOP PIPE SIZE	REAR & FRONT WATER CONN.	WATER I.P.S. CONNECTIONS (TOP REAR & FRONT)				GAS I.P.S. TO CONN.	HGT TO T&P		
					A	B	C				HGT. TO TOP WATER	TOP WATER SPREAD	HGT. TO REAR & FRONT HOT	HGT. TO REAR & FRONT COLD			H	S
D-80-125-AS	80	125,000	121	80%	73 1/4	26 1/4	67 1/4	5	1 1/2	2	70	19 5/8	55 1/4	22 3/4	4 3/4	1/2	57 1/8	3/4
D-80-165-AS	80	165,000	160	80%	75 1/4	26 1/4	67 1/4	6	1 1/2	2	70	19 5/8	55 1/4	22 3/4	4 3/4	1/2	57 1/8	3/4
D-80-180-AS	80	180,000	175	80%	75 1/4	26 1/4	67 1/4	6	1 1/2	2	70	19 5/8	55 1/4	22 3/4	4 3/4	1/2	57 1/8	3/4
D-80-199-AS	80	199,900	194	80%	68 1/4	28 1/4	60 1/2	6	1 1/2	2	63 5/8	21 1/4	52	18 3/4	4 3/4	1/2	53 5/8	3/4
D-100-199-AS	100	199,900	194	80%	73 5/8	30 1/4	65 5/8	6	1 1/2	2	67 5/8	23 5/8	57 1/2	20	4 3/4	3/4	58 7/8	3/4
D-100-T-199-AS	100	199,900	194	80%	78 1/4	28 1/4	70 1/2	6	1 1/2	2	73 5/8	21 1/4	62	18 3/4	4 3/4	3/4	63 5/8	3/4
D-100-250-AS / D-100-250-ASME	100	250,000	242	80%	73 5/8	30 1/4	65 5/8	6	1 1/2	2	67 5/8	23 5/8	57 1/2	20	4 3/4	3/4	58 7/8	1
D-100-270-AS / D-100-270-ASME	100	270,000	262	80%	73 5/8	30 1/4	65 5/8	6	1 1/2	2	67 5/8	23 5/8	57 1/2	20	4 3/4	3/4	58 7/8	1
D-100-300-AS / D-100-300-ASME	100	300,000	291	80%	73 5/8	30 1/4	65 5/8	7	1 1/2	2	67 5/8	23 5/8	57 1/2	20	4 3/4	3/4	58 7/8	1
D-75-365-AS / D-75-365-ASME	75	365,000	358	81%	75 3/4	30 1/4	66 1/4	8	N/A	2	N/A	N/A	57	19 1/4	4 3/4	58 1/4	1	
D-75-399-AS / D-75-399-ASME	75	399,900	393	81%	75 3/4	30 1/4	66 1/4	8	N/A	2	N/A	N/A	57	19 1/4	4 3/4	58 1/4	1	
D-80-512-AS / D-80-512-ASME	80	512,000	496	80%	72 1/4	30 1/4	66 1/4	10	N/A	2	N/A	N/A	57	19 1/4	4 3/4	58 1/4	1	

* FOR PROPANE (LP) GAS MODEL ADD SUFFIX "LP", FOR SCAQMD REVIEW ULTRA LOW NOX SPEC SHEET



Requires 120 Volt 60 Cycle AC Power

RECOVERY IN GALLONS AT VARIOUS TEMPERATURE RISES

MODEL	STORAGE CAPACITY GALLONS	ONE HOUR RECOVERY 100° RISE	1ST HOUR	MAXIMUM HOT WATER DELIVERABILITY AT VARIOUS TIME PERIODS			GPM REC. 100° RISE	TEMPERATURE RISE										
				2 HOURS	3 HOURS	HOURS		40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°
D-80-125-AS	80	121	177	298	419	2.0	NAT & L.P.	303	242	202	173	152	135	121	110	101	93	87
D-80-165-AS	80	160	216	375	536	2.7	NAT & L.P.	400	320	267	229	200	178	160	145	133	123	114
D-80-180-AS	80	175	231	406	581	2.9	NAT & L.P.	436	349	291	249	218	194	175	159	145	134	125
D-80-199-AS	80	194	250	444	638	3.2	NAT & L.P.	485	388	323	277	242	215	194	176	162	149	138
D-100-199-AS	100	194	264	458	652	3.2	NAT & L.P.	485	388	323	277	242	215	194	176	162	149	138
D-100-T-199-AS	100	194	264	458	652	3.2	NAT & L.P.	485	388	323	277	242	215	194	176	162	149	138
D-100-250-AS / D-100-250-ASME	100	242	312	554	796	4.0	NAT & L.P.	606	485	404	346	303	269	242	220	202	186	173
D-100-270-AS / D-100-270-ASME	100	262	332	594	856	4.4	NAT & L.P.	655	524	436	374	327	291	262	238	218	201	187
D-100-300-AS / D-100-300-ASME	100	291	361	652	943	4.9	NAT & L.P.	727	582	485	416	364	323	291	265	242	224	208
D-75-365-AS / D-75-365-ASME	75	358	411	769	1,179	5.9	NAT & L.P.	895	716	597	511	448	398	358	326	298	276	256
D-75-399-AS / D-75-399-ASME	80	393	446	839	1,232	6.6	NAT & L.P.	982	785	654	561	491	436	393	357	327	302	280
D-80-512-AS / D-80-512-ASME	80	496	552	1,048	1,544	8.3	NAT & L.P.	1,241	993	827	709	621	552	496	451	414	382	355

Note: Recovery rate indicated on heater rating plate is based on 75% (76% thermal efficiency according to CSA (ANSI, Z.21.10.3) Manufacturer reserves the right to make product changes and/or improvements with or without notice.

SAMPLE SPECIFICATION

Commercial gas water heater shall be AMERICAN STANDARD 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.



WATER HEATERS

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