

American Standard®

WATER HEATERS

Commercial Line

LIGHT DUTY COMMERCIAL ELECTRIC WATER HEATERS

Available in 30, 40, 50, 66, 80 & 120
Gallon Tall & Available in 30, 40 & 50
Gallon Low Boy

— LIGHT DUTY COMMERCIAL ELECTRIC FEATURES —

- **Surface Mount Thermostats** – Fully automatic for temperature control.
- **Dual Heating Elements** – Screw-in, direct immersion, 4500 watt, 240 volt incoloy heating elements for maximum efficiency. Available in 120, 208, 240, 277 & 480 voltages, single- or three-phase. Wattages available up to 12KW.
- **Self-Cleaning** – turbulence inducing cold water inlet-tube engineered to diminish hard water area sediment deposits.
- **Non-CFC Foam Insulated** – full 2" foam insulation saves energy & reduces fuel costs by maximizing heat retention.
- **Heavy Gauge Steel Tank** – for extra years of trouble-free service.
- **Glass-Lined Tank** – inner tank glass-lined with Dura-Glas™ & fired at 1600° F for optimum protection from the effects of corrosion.
- **Magnesium Anode Rod** – to prolong tank life.
- **Electric Junction Box** – for 1/2" or 3/4" conduit.
- **Factory Installed Dielectric Hot & Cold Water Connections** – 3/4" NPT water connections to extend tank life & for easier installations.
- **Brass Drain Valve** – Durable & to prevent unintentional breakage.
- **Factory Installed Heat Traps** – reduces standby heat loss in water piping.
- **Temperature & Pressure Relief Valve** – Factory provided T & P Valve can be relocated from side to optional top opening.
- **Factory Installed Energy Cut-Off System** – manual reset energy cut-off prevents overheating.
- **Certified By Underwriters Laboratories** – listed to UL 174, meets or exceeds efficiency requirements of the Department of Energy, ASHRAE Standard 90.1 b-1992. National Appliance Energy Conservation Act, ANSI requirements, is CEC listed & tested in accordance with D.O.E. test procedures & all state energy efficiency standards.
- **AMERICAN STANDARD Commercial Electric Water Heaters** – are certified at 300 PSI test pressure & 150 PSI working pressure, & all tanks are 100% hydrostatically tested at the factory.
- **UL Listed.**
- **Three Year Limited Warranty** – on inner glass-lined tank. One year limited warranty on all other component parts.



THESE WATER HEATERS MEET OR EXCEED
ASHRAE 90.1B-1992 STANDARDS
AND ARE LISTED WITH THE
CALIFORNIA ENERGY COMMISSION.

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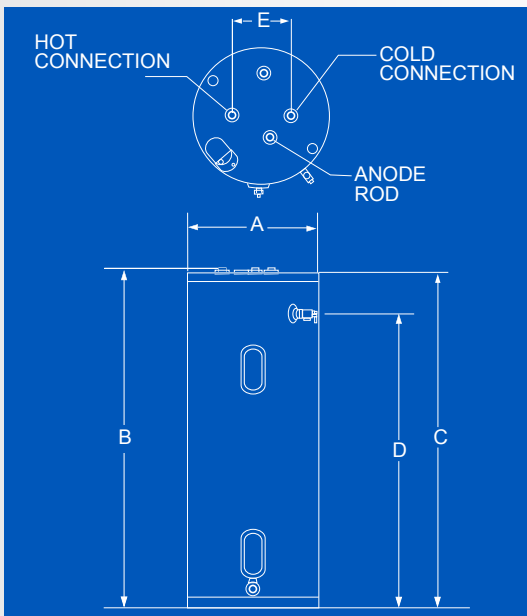
WATER HEATERS

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

LIGHT DUTY COMMERCIAL ELECTRIC MODELS SPECIFICATIONS AND APPLICATION DATA

MODEL NUMBER	DIMENSIONS IN INCHES									
	TALL	GAL	JACKET DIAM*	FLOOR TO TOP OF HEATER		SIDE T & P	WTR SPREAD	STANDARD VOLTAGE	MAXIMUM KW INPUT	STANDARD SHIP WGT (LBS)
			A	B	C					
LD-CE-30-T-AS	30	18 1/4	48 3/4	46	40 1/4	8	240	12	98	
LD-CE-40-T-AS	40	20 1/4	49 5/8	46 7/8	41	8	240	12	112	
LD-CE-50-T-AS	50	22 1/4	49	46 1/4	40 1/4	8	240	12	150	
LD-CE-66-T-AS	66	22 1/4	62	59 1/4	53	8	240	12	205	
LD-CE-80-T-AS	80	24 1/4	62 3/8	59 5/8	52 7/8	8	240	12	231	
LD-CE-120-T-AS	119	28 1/4	65 3/4	63	55 1/8	8	240	12	328	
LOW BOY										
LD-CE-30-S-AS	30	22 1/4	32 3/8	29 5/8	23 3/4	8	240	12	102	
LD-CE-40-S-AS	40	24 1/4	34 7/8	32 1/8	25 1/4	8	240	12	143	
LD-CE-50-S-AS	50	26 1/4	34 1/2	31 3/4	24 5/8	8	240	12	189	

*FOR BACK TO FRONT OF HEATER ADD 2 1/8" TO "A" TO ALLOW FOR UPPER DOOR DEPTH



For floor to optional Top T & P Outlet see dimension "C"



SINGLE PHASE FULL LOAD AMPERAGE DRAW					
ELEMENT WATTAGE	120 V	208 V	240 V	277 V	480 V
1500	12.5	7.2	6.3	5.4	3.1
2000	16.7	9.6	8.3	7.2	4.2
2500	20.8	12.0	10.4	9.0	5.2
3000	25.0	14.4	12.5	10.8	6.3
3500	N/A	16.8	14.6	12.6	7.3
4000	N/A	19.2	16.7	14.4	8.3
4500	N/A	21.6	18.8	16.2	9.4
5000	N/A	24.0	20.8	18.1	10.4
5500	N/A	N/A	22.9	19.9	11.5
6000	N/A	28.8	25.0	21.7	12.5
7000	N/A	33.7	29.2	25.3	14.6
8000	N/A	38.5	33.3	28.9	16.7
9000	N/A	43.3	37.5	32.5	18.8
10000	N/A	48.1	41.7	36.1	20.8
11000	N/A	N/A	45.8	39.7	22.9
12000	N/A	N/A	50.0	43.3	25.0

THREE PHASE FULL LOAD AMPERAGE DRAW						
ELEMENT WATTAGE	INTERLOCKING OPERATION All Terminals L1, L2 and L3			SIMULTANEOUS OPERATION Terminal L3 / Terminals L1 and L2		
	208 V	240 V	480 V	208 V	240 V	480 V
3000/3000	14.4	12.5	6.3	25.0/14.4	21.7/12.5	10.8/6.3
4000/4000	19.2	16.7	8.3	33.3/19.2	28.9/16.7	14.4/8.3
4500/4500	21.6	18.8	9.4	37.5/21.6	32.5/18.8	16.4/9.4
5000/5000	24.0	20.8	10.4	41.6/24.0	36.1/20.8	18/10.4
5500/5500	N/A	22.9	11.5	N/A	39.8/22.9	19.9/11.5
6000/6000	N/A	25	12.5	N/A	43.3/25.0	21.7/12.5

GPH RECOVERY CAPACITIES							
WATTS	TEMPERATURE RISE						
	40° F	50° F	60° F	70° F	80° F	90° F	100° F
3000	31	25	20	18	15	14	12
3500	36	29	24	20	18	16	14
4000	41	33	27	23	20	18	16
4500	46	37	31	26	23	20	18
5000	51	41	34	29	26	23	20
5500	56	45	38	32	28	25	23
6000	61	49	41	35	31	27	25
7000	72	57	48	41	36	32	29
8000	82	66	55	47	41	36	33
9000	92	74	61	53	46	41	37
10000	102	82	68	59	51	46	41
11000	113	90	75	64	56	50	45
12000	123	98	82	70	61	55	49

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