



## **EFFICIENCY +<sup>®</sup> WATER HEATER PRODUCT SUMMARY**

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**100,000-300,000 BTU/HR**

**EFFICIENCY+® GAS WATER HEATERS**

	<b>EW-100</b>	<b>EW-150</b>	<b>EW-200</b>	<b>EW-250</b>	<b>EW-300</b>
GALLON CAPACITY	0.81	1.36	1.44	1.52	1.60
WATER CONNECTIONS	1-1/4"	2"	2"	2"	2"
DRAIN	3/4"	3/4"	3/4"	3/4"	3/4"
WATER FLOW RATE (GPM)	30	60	60	60	60
MAXIMUM WORKING PRESSURE (PSI)	160	160	160	160	160
MAXIMUM WATER HARDNESS (GRAINS)	25	25	25	25	25
GPH @ 70°F RISE	147	221	294	368	442
GPH @ 100°F RISE	103	155	206	258	309
GPH @ 140°F RISE	74	110	147	184	221
RELIEF VALVE SIZE (MBH)	500	500	500	500	500
# OF RELIEF VALVES	1	1	1	1	1
RELIEF VALVE SIZE (DIA.)	3/4"	3/4"	3/4"	3/4"	3/4"
TEMPERATURE RATING (°F)	210	210	210	210	210
PRESSURE RATING (PSI)	150	150	150	150	150
HEATING SURFACE (SQ. FT.)	12.0	17.9	24.0	29.8	35.9
<b>GAS</b>					
INLET CONNECTION	1/2"	3/4"	3/4"	3/4"	3/4"
MAX. INLET PRESSURE NAT (WC)	10.5	10.5	10.5	10.5	10.5
MIN. INLET PRESSURE NAT (WC)	4.7	4.7	4.7	4.7	4.7
MANIFOLD PRESSURE SETTING NAT (WC)	1.8	1.8	1.8	1.8	1.8
MAX. INLET PRESSURE LP (WC)	13	13	13	13	13
MIN. INLET PRESSURE LP (WC)	8	8	8	8	8
MANIFOLD PRESSURE SETTING LP (WC)	4.6	4.6	4.6	4.6	4.6
BTU/HR INPUT	100,000	150,000	199,999	250,000	300,000
<b>ELECTRICAL</b>					
VOLTAGE/HEATER	120	120	120	120	120
VOLTAGE/PUMP	120	120	120	120	120
CONTROL VOLTAGE	24	24	24	24	24
TOTAL AMPS W/PUMP	7.3	11	11	11	11
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1
<b>DIMENSIONS (INCHES)</b>					
HEIGHT	28"	28"	28"	28"	28"
WIDTH (INCLUDES PUMP)	37-1/4"	38-1/4"	42-1/4"	46"	49-3/4"
DEPTH	23-3/4"	23-3/4"	23-3/4"	23-3/4"	23-3/4"
<b>SERVICE CLEARANCES (INCHES)</b>					
FRONT	24"	24"	24"	24"	24"
BACK	1"	1"	1"	1"	1"
RIGHT SIDE	1"	1"	1"	1"	1"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"
TOP	3"	3"	3"	3"	3"
<b>CONVENTIONAL VENTING</b>					
SIZE (INCHES)	4"	5"	5"	6"	6"
CATEGORY	I	I	I	I	I
MAXIMUM DRAFT (INCHES W.C.)	-0.05	-0.05	-0.05	-0.05	-0.05
MINIMUM DRAFT (INCHES W.C.)	-0.02	-0.02	-0.02	-0.02	-0.02
VENT MATERIAL	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT
<b>SIDE WALL DIRECT VENTING</b>					
SIZE (INCHES)	3"	4"	4"	5"	5"
CATEGORY	IV	IV	IV	IV	IV
MAXIMUM DRAFT (INCHES W.C.)	-0.05	-0.05	-0.05	-0.05	-0.05
MINIMUM DRAFT (INCHES W.C.)	-0.02	-0.02	-0.02	-0.02	-0.02
VENT MATERIAL*	AL29-4C	AL29-4C	AL29-4C	AL29-4C	AL29-4C

\*AIR INLET MAY BE: PVC, CPVC, OR ABS PIPE



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