



# ARMOR<sup>®</sup> WATER HEATER PRODUCT SUMMARY

(AW) 150,000 - 500,000 BTU/HR

	AW-150	AW-199	AW-285	AW-399	AW-500
<b>WATER</b>					
GALLON CAPACITY	1.3	1.7	2.4	3.4	4.2
HEATING SURFACE (SQ. FT.)	10.6	15.3	19.9	23.5	26.9
WATER CONNECTIONS	1-1/4"	1-1/4"	2"	2"	2"
DRAIN	3/4"	3/4"	3/4"	3/4"	3/4"
WATER FLOW RATE (GPM)	14.0	18.5	26.5	34.5	46.0
HEAD LOSS (FT. OF HD.)	16.6	11.8	17.1	21.1	18.2
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160
MAX. WATER HARDNESS (GRAINS)	25	25	25	25	25
GPH @ 70°F RISE	249	336	484	679	848
GPH @ 100°F RISE	174	235	339	475	594
GPH @ 140°F RISE	124	168	242	339	424
# OF RELIEF VALVES	1	1	1	1	1
RELIEF VALVE SIZE	3/4"	3/4"	3/4"	3/4"	3/4"
RELIEF VALVE RATING (MBH)	500	500	500	500	1,912
RELIEF VALVE PRESSURE RATING (PSI)	150	150	150	150	150
RELIEF VALVE TEMPERATURE RATING (°F)	210	210	210	210	210
<b>GAS</b>					
INLET CONNECTION	1/2"	1/2"	3/4"	1"	1"
MAX. INLET PRESSURE, NAT	10.5" w.c.	10.5" w.c.	10.5" w.c.	10.5" w.c.	10.5" w.c.
MIN. INLET PRESSURE, NAT	4.0" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.
MAX. INLET PRESSURE, LP	13.0" w.c.	13.0" w.c.	13.0" w.c.	13.0" w.c.	13.0" w.c.
MIN. INLET PRESSURE, LP	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.
BTU/HR INPUT	150,000	199,999	285,000	399,999	500,000
<b>ELECTRICAL</b>					
VOLTAGE/HEATER	120	120	120	120	120
VOLTAGE/PUMP	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24
TOTAL AMPS W/PUMP	3.0	3.2	4.5	6.5	6.7
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1
<b>DIMENSIONS</b>					
HEIGHT	33-1/4"	33-1/4"	42-1/2"	42-1/2"	42-1/22"
WIDTH	15-1/2"	15-1/2"	15-1/2"	15-1/2"	15-1/2"
DEPTH	18"	22-1/4"	19-3/4"	27"	31-1/4"
<b>SERVICE CLEARANCES</b>					
FRONT	24"	24"	24"	24"	24"
BACK	24"	24"	24"	24"	24"
RIGHT SIDE	0"	0"	0"	0"	0"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"
TOP	24"	24"	24"	24"	24"
<b>DIRECT VENTING</b>					
SIZE	3"	3"	4"	4"	4"
VENT CATEGORY	IV	IV	IV	IV	IV
VENT MATERIAL	PVC	PVC	PVC	PVC	PVC

Lochinvar Corporation • 300 Maddox Simpson Pkwy • Lebanon, TN 37090 • 615-889-8900 / Fax: 615-547-1000  
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