



ARMOR[®] WATER HEATER PRODUCT SUMMARY

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

	AW-150	AW-199	AW-285	AW-399	AW-500
WATER					
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	823
GPH @ 100°F RISE	174	235	339	475	576
GPH @ 140°F RISE	124	168	242	339	411
# 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
GAS					
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
ELECTRICAL					
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
DIMENSIONS					
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"
SERVICE CLEARANCES					
FRONT	24"	24"	24"	24"	24"
BACK	14"	14"	14"	14"	14"
RIGHT SIDE	0"	0"	0"	0"	0"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"
TOP	24"	24"	24"	24"	24"
DIRECT VENTING					
SIZE	3"	3"	4"	4"	4"
VENT CATEGORY	IV	IV	IV	IV	IV
VENT MATERIAL	PVC	PVC	PVC	PVC	PVC