



ARMOR[®] WATER HEATER PRODUCT SUMMARY (AW) 150,000 - 800,000 BTU/HR

	AW-151	AW-200	AW-286	AW-400	AW-501	AW-601	AW-701	AW-801
WATER								
GALLON CAPACITY	1.3	1.7	2.4	3.4	4.2	4.2	5.0	5.7
HEATING SURFACE (SQ. FT.)	16.4	21.8	29.1	41.8	50.8	50.8	57.8	65.3
WATER CONNECTIONS	1-1/4"	1-1/4"	2"	2"	2"	2"	2"	2"
DRAIN	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
WATER FLOW RATE (GPM)	16.0	21.0	30.0	39.0	53.0	53.0	63.0	67.0
HEAD LOSS (FT. OF HD.)	16.6	11.8	17.1	21.1	26.0	26.0	32.0	31.0
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160	160
MAX. WATER HARDNESS (GRAINS)	25	25	25	25	25	25	25	25
GPH @ 70°F RISE	248	336	474	665	831	997	1164	1330
GPH @ 100°F RISE	173	235	332	465	582	698	815	931
GPH @ 140°F RISE	124	168	237	332	416	499	582	665
# OF RELIEF VALVES	1	1	1	1	1	1	1	1
RELIEF VALVE SIZE	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
RELIEF VALVE RATING (MBH)	500	500	500	500	1,912	1,912	1,912	1,912
RELIEF VALVE PRESSURE RATING (PSI)	150	150	150	150	150	150	150	150
RELIEF VALVE TEMPERATURE RATING (°F)	210	210	210	210	210	210	210	210
GAS								
INLET CONNECTION	1/2"	1/2"	3/4"	1"	1"	1"	1"	1"
MAX. INLET PRESSURE, NAT	14.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" 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.	4.0" w.c.	4.0" w.c.	4.0" w.c.
MAX. INLET PRESSURE, LP	14.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" 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.	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	600,000	700,000	800,000
ELECTRICAL								
VOLTAGE/HEATER	120	120	120	120	120	120	120	120
VOLTAGE/PUMP	120	120	120	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24	24	24	24
TOTAL AMPS W/PUMP	3.0	3.2	4.5	6.5	5.7	5.7	12.8	12.8
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1	1	1
DIMENSIONS								
HEIGHT	33-1/4"	33-1/4"	42-1/2"	42-1/2"	42-1/2"	42-1/2"	42-1/2"	42-1/2"
WIDTH	15-1/2"	15-1/2"	15-1/2"	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"	36-1/4"	40-1/4"	42-1/4"
SERVICE CLEARANCES								
FRONT	24"	24"	24"	24"	24"	24"	24"	24"
BACK	24"	24"	24"	24"	24"	24"	24"	24"
RIGHT SIDE	0"	0"	0"	0"	0"	0"	0"	0"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"	24"	24"	24"
TOP	24"	24"	24"	24"	24"	24"	24"	24"
DIRECT VENTING								
SIZE	3"	3"	4"	4"	4"	4"	6"	6"
VENT CATEGORY	IV	IV	IV	IV	IV	IV	IV	IV
VENT MATERIAL	PVC/CPVC/SS	PVC/CPVC/SS	PVC/CPVC/SS	PVC/CPVC/SS	PVC/CPVC/SS	PVC/CPVC/SS	PVC/CPVC/SS	PVC/CPVC/SS

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