



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 | 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 |
| 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 | 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" |
| DIRECT VENTING | | | | | |
| SIZE | 3" | 3" | 4" | 4" | 4" |
| VENT CATEGORY | IV | IV | IV | IV | IV |
| VENT MATERIAL | PVC | PVC | PVC | PVC | PVC |