

Marathon[®] WATER HEATERS

Element Data

ELEMENT WATTAGE (@ 240 volts)	MINIMUM FUSE or BREAKER	MINIMUM WIRE SIZE	ELEMENT RESISTANCE (OHMS)	Recovery Rate (GPH @ Δ 90°F)	50 GALLON RECOVERY RATE	85 GALLON RECOVERY RATE
4500	30 amp	10	12.8 \pm 0.6	20.5 gph	2.4 hours	4.1 hours
3800	20/30 amp	12/10	15.2 \pm 0.8	17.3 gph	2.9 hours	4.9 hours
3000	20 amp	12	19.2 \pm 1.0	13.6 gph	3.7 hours	6.3 hours
Notes	(a)	(b)				

* Notes:

- a) 3800 watt elements may run on 20 amp breakers with 12/2 wire however other factors such as length of wire run, and breaker performance may affect suitability
- b) Standard 60° C copper wire (local codes may specify other gauge if fuse or breaker is more than 90 feet from water heater)
- c) 3000 watt elements are stocked only in 40, 50 and 85 gallon models only; 3000 watt elements in other models may require a 6-8 week lead time or field replacement