



## TRIDENT POWER REQUIREMENTS

*Trident Standard & Platinum Models*

### OVERVIEW

Swim Spas require more power than a Spa Pool because of the extra pumps and larger heater. In some cases, due to your house setup, it is not possible to feed the required max draw of Swim Spa, but that doesn't mean you can't still use one. Load Shedding and Load Limiting can be applied to limit the amount of components that will run at one time, allowing you to use the Swim Spa at a lower amperage draw.

### COMPONENT OVERVIEW

Component	Amperage Max	Notes
8.8kW Heat Pump	8.75A	Optional. Can be setup to run as the solo source of heat, or in conjunction with the inbuilt 6kW heater element.
Variable 6kW Heater	4 - 24A	Variable heater operates on whatever leftover power is available.
Pump 1 (Swim Jet)	10A	Usually runs at around 9A
Pump 2 (Swim Jet)	10A	Usually runs at around 9A
Pump 3 (Swim Jet)	10A	Usually runs at around 9A
Pump 4 (Swim Jet)	10A	Usually runs at around 9A
Circulation Pump	3.2A	
Speakers, Lights etc.	≤ 0.4A	

### AVAILABLE SETUPS

AMPS Setups	Conditions
45A no heat pump	No heating available when all four pumps are running. This is okay as heating of water not usually required while exercising.
45A w/ heat pump	No heating available when all four pumps are running. This is okay as heating of water not usually required while exercising.
55A no heat pump	When running all four pumps there is roughly 10A leftover for heating so about 1/3 the power of the 6kW variable heater will engage.
55A w/ heat pump	Enough power available to run the heat pump simultaneously with all four pumps.