



## Electrical Requirements



**6 total power outlets required.  
(3 x Doubles)**

Power should be on separate circuit, suitable for outdoor and weatherproofed. **Electric heaters need their own separate connection.**



**Each pool light has a black cable which needs to be wired and connected by your electrician**

Blue Haven supplies a transformer for cabling.  
The location for light switch is at the discretion of the customer.



### **Earthing cable**

Your electrician to extend, connect and earth to neutralise pool.



## How many AMPS

**Heat Pump**  
50 AMPS

**Light**  
3 AMPS

**Filters**  
0 AMPS

**Pump**  
1 to 2.5 HP  
10 AMPS

**Pump**  
2.5 to 3 HP  
10-15 AMPS

**Chlorinator  
or Mineral**  
8 AMPS



## Power

Pumps, chlorinators, lights and heat pumps need power. To calculate the right electric force capacity for your pool, follow our simple rules:

- Use a 32-amp circuit for the average set up with a minimum 2 x double GPOs installed inside acoustic box or enclosed structure
- Use a 50-amp circuit when a Heat Pump is being considered with a minimum of 2 x double GPOs installed inside acoustic box or enclosure structure
- 1hp to 2.5hp Pump 240v -10 amp
- 3hp pump -15 amp
- Salt Water Chlorinator or Mineral Generator: 240v - 5-8 amps
- Pool Heat Pump: 240v - 50 amps
- LP/NG Pool Heater: 240v - 3 amps

- Pool Lights: 12v - 3.5 watts each
- 18kw - 22kw heaters – Single Phase. Direct line from power board. 6mm cable
- 24kw – 232kw heaters – Variable Single or 3 phase. Direct line from power board. 6mm cable
- Larger pool pumps may need 3 phase power.

## Gas

To make a right gas connection you should follow some rules:

- 175 – 250mj = 25mm line run direct from the meter – run by licensed gas fitter
- 375mj gas = 40mm line run direct from the meter – run by licensed gas fitter
- Gas meter upgrade may be required.

A Licensed gas fitter can assess appliances drawing on gas and speak to your gas provider.

