

Power & Gas

Your pool and filtration system, pumps, chlorinators, lights e.t.c. need a power. To calculate the right electric force capacity for your pool, follow our simple rules.

32-amp circuit for the average set up with a minimum 2 x double GPOs installed inside acoustic box or enclosure structure.

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 amps
- 3hp pump 15 amp
- Salt Water Chlorinator or Mineral Generator: 240v, approx. 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



PUMP 2HP =10 AMPS



MINERAL SYSTEM = 8AMPS



SAND FILTER = 0 AMPS



HEAT PUMP = 50 AMPS



PUMP
1HP-2.5HP = 10 AMPS



3HP = 15 AMPS



10 AMPS + 15AMPS
=
25 AMPS



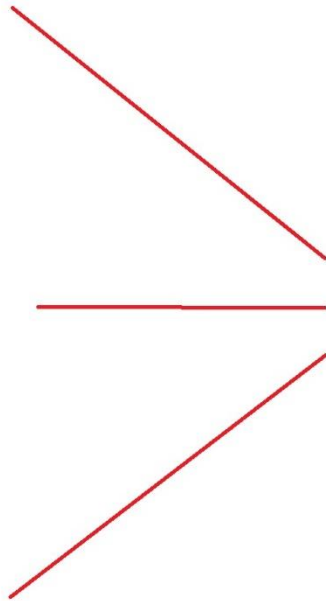
PUMP 2HP =10 AMPS



MINERAL SYSTEM = 8AMPS



LIGHTS = 3 AMPS



10 AMPS
+
8 AMPS = 21 AMPS
+
3 AMPS

If you are going to add heating now or future, allow extra space for it. A gas heater or electric heat pump will require significant space and clearances. Indoor gas heaters will require a flue kit for gas omissions to safely transfer outdoor and electric heat pump should never be enclosed as they function by drawing on the air around them. Gas to be positioned 900mm from anything combustibile like power.

HEAT PUMP



OR

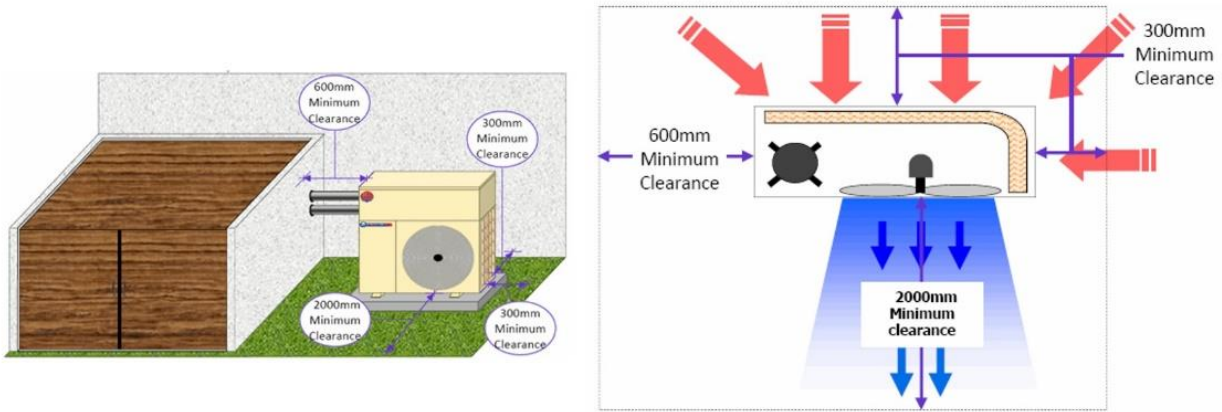


GAS HEATER

NO ENCLOSURE



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In case if you want to make enclosure to gas heater you will need to do extra ventilation in enclosure and chimney. And consider 900mm clearance around a gas heater to install it in enclosure.



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

175 – 250mj = 32mm line run direct from the metre – run by licensed gas fitter

400mj gas = 40mm line run direct from the metre – run by licensed gas fitter

Gas metre upgrade may be required. Licensed gas fitter can assess appliances drawing on gas and assess or speak to your gas provider.