

ELECTRICAL REQUIREMENTS WHAT DO YOU NEED?

Hot tubs require different power supplies depending on how much power they individually draw. The pumps, lights, heaters and all the other electrical components require power to perform their jobs correctly. If the correct amperage of electrical supply is not installed, then your hot tub may attempt to draw too much power from the electrical source. This could cause an overload of the circuit and if this happens then the power could trip, and your hot tub could turn off.

Making sure that you install the correct electrical supply is also a safety requirement. If you install a much higher supply than you need then it will never trip. Tripping can occur as a result of, or to indicate a fault. Therefore, you need to install the correct power supply to ensure that, if necessary, the hot tub is capable of tripping the power.

The power supply you need will entirely depend on what hot tub you are getting. So please provide as much information as possible regarding your household electrics and if you have any limitations to your electrical supply, you should let us know to help narrow your options.

Hot tubs usually fall into two categories, one being **"Plug In & Go" 13-amp** and the other, **32-amp**.

"PLUG IN & GO" HOT TUBS

"Plug In & Go" Hot Tubs require a minimum 13-amp supply. Usually this can be facilitated by an outdoor waterproof socket. If the model you are purchasing has an in-line RCD then this will be adequate, if not you will require a separate plug. The outdoor plug needs to be within 1.5m to 4m of the location of the hot tub, with a maximum distance of 5m. All our 13-amp hot tubs are supplied with a 2m electric cable free of charge. 2m to 5m Hi-Tuff cables with an in-line RCD are available for only £99.

32-AMP HOT TUBS

32-amp Hot Tubs require the electrics to be "hard-wired" on its own fused spur back to your household consumer unit, separate from the supply for any other appliances.

If you require "hard-wired" electrics, we can provide an electrical package that can be purchased along with your hot tub from **only £499**. This price is designed as a service facility for our customers (subject to a free site survey).

If you wish to use your own electrician, then please read the requirements below.

ELECTRICAL REQUIREMENTS WHAT DO YOU NEED? (cont.)

The hot tub should be protected by a sufficiently rated MCB (mains circuit breaker) and should cover the maximum amperage pull of the Spa plus 25% to allow for brake torque (i.e. the extra rush of current when pumps are first started). It should also be protected against earth faults by an RCD (Residual Current Device).

For a 32-amp hot tub, 6mm² 3-core SWA cable is needed and a 10mm² 3-core SWA cable is perfectly suitable for a 40-amp Hot Tub. The electrician will calculate the size of cable required depending on the loading and the distance from the mains supply.

From the consumer unit you should have suitable armoured cable or cable protected by a suitable conduit to a suitable waterproof outdoor isolator switch 2 or 3 metres from the tub so that bathers cannot be in the hot tub whilst touching the switch. (An IP65 45AMP Rotary Isolator Switch is recommended so that the hot tub can be isolated outdoors in an emergency or for service work - this is simply a rotary on/off switch).

From the isolator switch there needs to be enough cable left to reach the furthest away corner of hot tub so that the engineer can connect the tub to the electrical supply.

Once the hot tub is filled with water and the electrical supply is installed, our installation team will commission the hot tub and check that everything is fully operational before handing it over to you.

