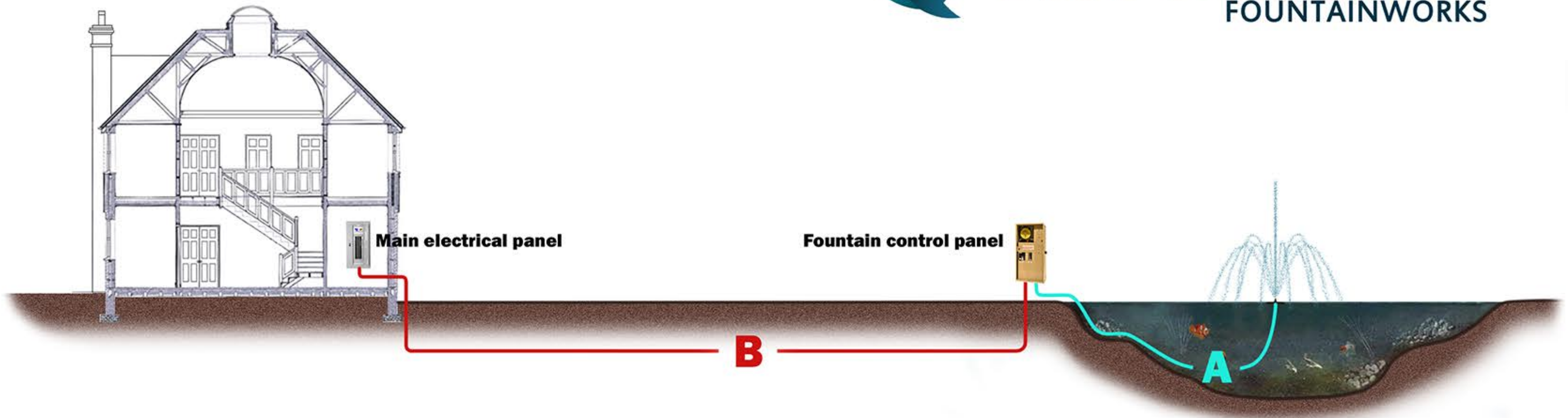


ELECTRICAL RUN CHART



For proper functioning of pump, entire electrical run from main panel to fountain (A+B) must be considered. From the chart below, select your fountain horsepower, voltage, and cable length (A) necessary for your pond. Then, refer to what cable gauge (awg) is necessary for the length of run from the fountain control panel to your main electrical panel (B). The customer is to purchase and install this electrical supply line (B). Install per all local electrical codes. If not familiar with local electrical codes or working with electric, hire a qualified electrician for installation. Contact us if you have any conditions in excess of the chart.

Examples:

- 1) You select a 1/2HP 120V fountain with the standard 100 ft cable length (A). Your cable run from the fountain control panel to your electrical panel is 310 ft (B). From the 1/2 HP chart below, the minimum size cable gauge you would use for this fountain configuration would be 8/3 awg which has a maximum run up to 390 ft.
- 2) You select a 1HP 240V fountain with an upgrade to 200 ft cable length (A). Your cable run from the fountain control panel to your electrical panel is 300 ft (B). From the 1HP 240V chart below, the minimum size cable gauge you would need for this fountain configuration would be 10/4 awg which has a maximum run up to 380 ft.

	Pump wire gauge (awg)	A	Electrical supply line gauge(awg) ⁽²⁾⁽³⁾	B (maximum run not to exceed)
	12/3 awg	100 ft ⁽¹⁾	12/3 awg	150 ft
	12/3 awg	150 ft	12/3 awg	100 ft
	12/3 awg	200 ft	12/3 awg	50 ft
	12/3 awg	100 ft ⁽¹⁾	10/3 awg	230 ft
	12/3 awg	150 ft	10/3 awg	150 ft
	12/3 awg	200 ft	10/3 awg	80 ft
	10/3 awg	250 ft	10/3 awg	140 ft
	12/3 awg	100 ft ⁽¹⁾	8/3 awg	390 ft
	12/3 awg	150 ft	8/3 awg	260 ft
	12/3 awg	200 ft	8/3 awg	130 ft
10/3 awg	250 ft	8/3 awg	240 ft	

	Pump wire gauge (awg)	A	Electrical supply line gauge(awg) ⁽²⁾⁽³⁾	B (maximum run not to exceed)
	10/3 awg	100 ft ⁽¹⁾	10/3 awg	130 ft
	10/3 awg	100 ft ⁽¹⁾	8/3 awg	210 ft
	10/3 awg	150 ft	8/3 awg	140 ft
	10/3 awg	100 ft	6/3 awg	360 ft
	10/3 awg	150 ft	6/3 awg	240 ft

	Pump wire gauge (awg)	A	Electrical supply line gauge(awg) ⁽²⁾⁽³⁾⁽⁴⁾	B (maximum run not to exceed)
	12/3 awg	100 ft ⁽¹⁾	12/4 awg	310 ft
	12/3 awg	150 ft	12/4 awg	260 ft
	12/3 awg	200 ft	12/4 awg	210 ft
	12/3 awg	250 ft	12/4 awg	160 ft
	12/3 awg	100 ft ⁽¹⁾	10/4 awg	530 ft
	12/3 awg	150 ft	10/4 awg	450 ft
	12/3 awg	200 ft	10/4 awg	380 ft
	12/3 awg	250 ft	10/4 awg	300 ft

	Pump wire gauge (awg)	A	Electrical supply line gauge(awg) ⁽²⁾⁽³⁾⁽⁴⁾	B (maximum run not to exceed)
	10/3 awg	100 ft ⁽¹⁾	12/4 awg	130 ft
	10/3 awg	150 ft	12/4 awg	100 ft
	10/3 awg	100 ft ⁽¹⁾	10/4 awg	250 ft
	10/3 awg	150 ft	10/4 awg	200 ft
	10/3 awg	200 ft	10/4 awg	150 ft
	10/3 awg	250 ft	10/4 awg	100 ft
	10/3 awg	100 ft ⁽¹⁾	8/4 awg	370 ft
	10/3 awg	150 ft	8/4 awg	300 ft
	10/3 awg	200 ft	8/4 awg	220 ft
	10/3 awg	250 ft	8/4 awg	140 ft

Notes:

- 1) Cord length and gauge of standard fountain model. Additional cord lengths and/or larger gauge wire available at additional fee.
- 2) Customer to purchase and install electrical supply line. Install per local, state and national electrical codes. Supply line to be installed by certified electrician. Use copper conductors only.
- 3) The gauge of wire and maximum run listed are for the operation of the specified fountain and future lighting kit only. Do not run any other electrical equipment from this line. Running other equipment from same line supplying fountain without being properly sized may damage pump motor, and will void warranty. While installing electric supply line for fountain, we recommend running additional lines for future equipment.
- 4) For 240V pump operation, install 4 wire conductor (Black, white, red, green) supply line for proper functioning of GFCI circuits.