5 hp - 15 hp TRADITIONAL FOUNTAIN SPECIFICATIONS

Have you ever noticed that some fountains need a motor replacement after a short period of time? The main reason a fountain motor needs to be replaced is because there is a voltage drop to the motor. Replacing the motor doesn't fix the problem. The motor will need to be replaced again and again. Providing adequate electricity to the motor by doing proper electrical calculations before the fountain goes in is how you insure a long motor life.

If you are replacing an old fountain, the electrical calculations still need to be done, especially if you are replacing a fountain that has had motor replacements in the past.

If you are having a new meter installed for the fountain, don't skimp on the electrical wire size on the run from the meter to the expected fountain controls location. Skimping on that wire size will just increase the wire size you need for the controls to fountain run.

Desert Rain deliberately over cables our fountains by one size compared to NEC standards because these standards are based on electrical cable in the air not in the water laying next to earth. Our cable is PVC jacketed and designed for in water use and is not to be direct buried, use PVC conduit for land runs to lake edge.

Information Desert Rain needs from your Electrician:

1) Voltage & phase available: _____Volt ____ Phase

2) Amps available
(amps provided for by meter minus existing equipment amp use)

_____ Amps Available

3) Fountain and light amp requirements
(Pump Amps + Light Amps on charts) _____ Amps Needed
If amps available are less than amps needed, another power source is required.

4) Determine the wire size of the cable running from the meter to the where the fountain controls will be located. _____ Meter Cable Size
If less than a #10 wire, a new electrical run will be required from the meter to the fountain controls location.

5) Distance from meter to fountain controls _____ Meter to Control

6) Distance from controls to fountain _____ Control to Fountain

7) Please sign and fax this information to Desert Rain at (707) 839-8233

_____ _____
Electrician's Signature Date

Electrician's Name _____

Electrician's Phone _____

Electrician's License Number _____

JOB INFORMATION

Contact Person _____

Company Name _____

Shipping Address _____

Day Phone _____ Evening Phone _____

Fax _____ Email _____

Fountain Information _____

_____

5 - 15 hp Traditional Amps & GPM Specs

Traditional Fountain	Volt	Phase	Amps	GPM Max
5 hp	230	1	27.5	275
	208	3	19.1	
	230	3	16.6	
7.5 hp	230	1	42.1	275
	208	3	25.1	
	230	3	21.8	
10 hp	230	1	51.0	350
	208	3	37.0	
	230	3	32.2	
15 hp	230	1	75.0	475
	208	3	54.5	
	230	3	47.4	

Nozzles		Fountain Height			
Part #	Description	5 hp	7.5 hp	10 hp	15 hp
294A	2.5" Three-Tier 19	25'	35'	45'	n/a
294B	3" Three-Tier 19	20'	30'	35'	45'
294C	3" Three-Tier 37	25'	35'	45'	55'
295A	4" Three-Tier	n/a	n/a	20'	30'
326	2" Trumpet	10'x 35'			
327	3" Trumpet		11'x 40'	12'x 46'	
328	4" Trumpet				12'x 50'
54A	2.5" Cascade	18'	20'	30'	35'
55	3" Cascade	15'	18'	25'	30'
748A	2.5" WW Jet	50'	n/a	n/a	n/a
749A	3" WW Jet	35'	60'	80'	100'

LIGHT SPECIFICATIONS

Lights	Amps
2 x 250 Watt	4.17
2 x 500 Watt	8.33
2 x 1000 Watt	16.67

Voltage drop to the motor is the number one cause of fountain motor failure and is not covered by warranty. We're here to help you, use us. Technical support is available to you on our website at www.desertrain.net, email: scottg@aquaticeco.com, or call 1-800-899-2565.

Fax electrical calculations to
(407) 886-3939