

## 50 Hz Unit Cable Sizing Chart

IMPORTANT - Maximum allowable cable lengths referenced are measured from Control Panel to In-water motor. To ensure proper sized cable runs AquaMaster® requires consulting a Licensed Electrician to properly size any underground cable from the main power source to our control panel to guarantee warranty. Cable runs to the panel located away from main power source requires recalculating voltage drop to insure proper cable sizing. Actual voltage to motor will affect your fountain's performance which may require upsizing the unit cable. Please contact AquaMaster® if assistance is required.

Single Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx. Amps	#14 (ft)	#12 (ft)	#10 (ft)	#8 (ft)	#6 (ft)	#4 (ft)	#2 (ft)
0.5 HP	220-230	3.0	575	900	1525	2350	3725	5900	9150
1 HP	220-230	8.0		325	575	875	1400	2200	3425
2 HP	220-230	10.5		250	425	675	1050	1675	2600
3.5 HP	220-230	19.0			225	350	575	925	1425
5 HP	220-230	24.0			175	275	450	725	1125

Three Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx. Amps	#14 (ft)	#12 (ft)	#10 (ft)	#8 (ft)	#6 (ft)	#4 (ft)	#2 (ft)
1 HP	380-415	2.6		2100	3500	5400	8600	13600	21075
2 HP	380-415	3.7		1475	2450	3800	6050	9550	14825
3 HP	380-415	5.0		1075	1825	2800	4475	7075	10950
5 HP	380-415	8.0		675	1125	1750	2775	4425	6850
7.5 HP	380-415	12.0		450	750	1175	1850	2950	4550
10 HP	380-415	18.0			500	750	1200	1950	3000
15 HP	380-415	23.0			350	600	750	1500	2350
25 HP	380-415	38.0				350	550	900	1400

### Volcano II Floating Surface Aerator Cable Sizing Chart

Single Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx. Amps	#14 (ft)	#12 (ft)	#10 (ft)	#8 (ft)	#6 (ft)	#4 (ft)	#2 (ft)
0.5 HP	220-230	3.5	500	775	1300	2000	3200	5050	7850

### Volcano III Floating Surface Aerator Cable Sizing Chart

Single Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx. Amps	#14 (ft)	#12 (ft)	#10 (ft)	#8 (ft)	#6 (ft)	#4 (ft)	#2 (ft)
1.5 HP	220-230	11.0		250	400	625	1000	1600	2500

  

Three Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx. Amps	#14 (ft)	#12 (ft)	#10 (ft)	#8 (ft)	#6 (ft)	#4 (ft)	#2 (ft)
1.5 HP	380-415	4.0		1350	2275	3500	5600	8850	13700
3.5 HP	380-415	7.0		775	1300	2000	3200	5050	7825
5.5 HP	380-415	11.0		500	825	1275	2025	3200	4975