

50 Hz Unit Cable Sizing Chart

Maximum recommended length from fountain to electrical source, shown in meters. Wire gauge is shown in mm². AquaMaster recommends consulting a Licensed Electrician to properly size any underground cable from the main power source to our fountain. Please contact AquaMaster if assistance is required.

Single Phase 3 Conductor			3 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps @ 2875 RPM	3x1.5 (m)	3x2.5 (m)	3x4 (m)	3x6 (m)	3x10 (m)	3x16 (m)	3x25 (m)
½ HP	220-230	3	128	214	342	513	855	1368	2137
Single Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps @ 2875 RPM	4x1.5 (m)	4x2.5 (m)	4x4 (m)	4x6 (m)	4x10 (m)	4x16 (m)	4x25 (m)
1 HP	220-230	8	-	80	128	192	321	513	801
2 HP	220-230	10.5	-	61	98	147	244	391	611
3½ HP	220-230	19	-	-	54	81	135	216	337
5 HP	220-230	24	-	-	43	64	107	171	267
Three Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps @ 2875 RPM	4x1.5 (m)	4x2.5 (m)	4x4 (m)	4x6 (m)	4x10 (m)	4x16 (m)	4x25 (m)
1 HP	380 - 415	2.6	-	492	787	1180	1968	3148	4919
2 HP	380 - 415	3.7	-	346	553	829	1383	2212	3456
3 HP	380 - 415	5	-	256	409	614	1023	1637	2558
5 HP	380 - 415	8	-	160	256	384	640	1023	1599
7½ HP	380 - 415	12	-	107	171	256	426	682	1066
10 HP	380 - 415	18	-	-	114	170	284	455	710
15 HP	380 - 415	23	-	-	89	133	222	356	556
20 HP	380 - 415	32	-	-	64	96	160	256	400
25 HP	380 - 415	38	-	-	54	81	135	215	337

Volcano II Cable Sizing Chart

Single Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps @ 2875 RPM	4x1.5 (m)	4x2.5 (m)	4x4 (m)	4x6 (m)	4x10 (m)	4x16 (m)	4x25 (m)
½HP	220-230	3.5	110	183	293	440	733	1173	1832
1½ HP	220-230	11	35	58	93	140	233	373	583
Three Phase 4 Conductor			4 Conductor Copper Wire Gauge Size						
Unit	Volts	Approx Amps @ 2875 RPM	4x1.5 (m)	4x2.5 (m)	4x4 (m)	4x6 (m)	4x10 (m)	4x16 (m)	4x25 (m)
1½ HP	380-415	3	256	426	682	1023	1706	2728	4263
3½ HP	380-415	5.5	139	233	372	558	930	1488	2325
5½ HP	380-415	8	96	160	256	384	640	1023	1599

NOTES: 1) For acceptable performance and warranty qualification, minimum voltage at the motor (not the control panel), shall be 208V for 3PH applications. If a 208V 3PH power source is utilized, the use of boost transformers are necessary in most cases. It is recommended to verify voltage at control panel and contact AquaMaster for assistance and recommendations for sizing an acceptable application.