

## 60 Hz Unit Cable Sizing Chart

IMPORTANT - Maximum recommended cable lengths referenced are measured from Control Panel to In-water motor. To ensure proper sized cable runs AquaMaster® recommends consulting a Licensed Electrician to properly size any underground cable from the main power source to our control panel. 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 3 Conductor			3 Conductor Copper Wire Gauge Size													
Unit	Volts	Approx Amps	#14 (ft)	#12 (ft)	#10 (ft)	#8 (ft)	#6 (ft)	#4 (ft)	#2 (ft)	#14 (m)	#12 (m)	#10 (m)	#8 (m)	#6 (m)	#4 (m)	#2 (m)
½ HP	120	5.6	173	268	446	687	1093	1728	2679	53	82	136	209	333	527	817
½ HP	208-240	2.8	599	929	1548	2381	3790	5991	9286	183	283	472	726	1155	1826	2830
¾ HP	120	7.5	129	200	333	513	816	1290	2000	39	61	101	156	249	393	610

4 Conductor: Required on all 1 - 10HP Single Phase & Three Phase Aerators

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)	#14 (m)	#12 (m)	#10 (m)	#8 (m)	#6 (m)	#4 (m)	#2 (m)
1 HP	120	19	--	--	132	202	322	509	789	--	--	40	62	98	155	240
1 HP	208-240	9.6	--	271	451	694	1105	1747	2708	--	83	137	212	337	532	825
2 HP	208-240	12.6	--	206	344	529	842	1331	2063	--	63	105	161	257	406	629
3½ HP	208-240	15.2	--	--	285	439	698	1104	1711	--	--	87	134	213	336	522
5 HP	208-240	27.1	--	--	--	246	392	619	959	--	--	--	75	119	189	292
7½ HP	220-240*	42	--	--	--	168	267	422	655	--	--	--	51	81	129	200
10HP	220-240*	60	--	--	--	--	187	296	458	--	--	--	--	57	90	140

\* The 7½ HP and 10 HP 1 PH models require a minimum voltage of 220V.

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)	#14 (m)	#12 (m)	#10 (m)	#8 (m)	#6 (m)	#4 (m)	#2 (m)
1 HP	208-240	5.4	--	556	927	1426	2269	3587	5560	--	169	283	435	692	1093	1695
1 HP	440-480	2.7	--	2352	3920	6031	9601	15176	23522	--	717	1195	1838	2926	4626	7170
2 HP	208-240	6.3	--	477	794	1222	1945	3075	4766	--	145	242	372	593	937	1453
2 HP	440-480	3.1	--	2049	3415	5253	8362	13218	20487	--	625	1041	1601	2549	4029	6244
3 HP	208-240	10.1	--	297	495	762	1213	1918	2973	--	91	151	232	370	585	906
3 HP	440-480	5.1	--	1245	2076	3193	5083	8034	12453	--	379	633	973	1549	2449	3796
5 HP	208-240	18	--	--	278	428	681	1076	1668	--	--	85	130	208	328	508
5 HP	440-480	9	--	706	1176	1809	2880	4553	7057	--	215	358	551	878	1388	2151
7½ HP	208-240	26.4	--	--	190	292	464	734	1137	--	--	58	89	141	224	347
7½HP	440-480	13.2	--	481	802	1234	1964	3104	4811	--	147	244	376	599	946	1466
10 HP	208-240	36	--	--	139	214	340	538	834	--	--	42	65	104	164	254
10 HP	440-480	18	--	--	588	905	1440	2276	3528	--	--	179	276	439	694	1075
15 HP	208-240	46	--	--	--	167	266	421	653	--	--	--	51	81	128	199
15 HP	440-480	23	--	--	460	708	1127	1781	2761	--	--	140	216	344	543	842
20 HP	208-240	58	--	--	--	133	211	334	518	--	--	--	41	64	102	158
20 HP	440-480	29	--	--	365	562	894	1413	2190	--	--	111	171	272	431	668
25 HP	208-240	72	--	--	--	--	170	269	417	--	--	--	--	52	82	127
25 HP	440-480	36	--	--	294	452	720	1138	1764	--	--	90	138	219	347	538

### Volcano II Cable Sizing Chart

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)	#14 (m)	#12 (m)	#10 (m)	#8 (m)	#6 (m)	#4 (m)	#2 (m)
½	120	7	138	214	357	549	875	1382	2164	42	65	109	167	267	421	660
½	208-240	3.5	479	743	1238	1905	3032	4793	7502	146	226	377	581	924	1461	2287
1½	208-240	8	-	325	542	833	1327	2097	3282	-	99	165	254	404	639	1000
3½	208-240	16	-	163	271	417	663	1048	1641	-	50	83	127	202	319	500
5½	208-240	26	-	-	167	256	408	645	1000	-	-	51	78	124	197	305

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)	#14 (m)	#12 (m)	#10 (m)	#8 (m)	#6 (m)	#4 (m)	#2 (m)
1½	208-240	6	-	500	834	1283	2042	3228	5053	-	152	254	391	622	984	1540
1½	440-480	3	-	2117	3528	5428	8641	13658	21381	-	645	1075	1654	2634	4163	6517
3½	208-240	11	-	273	455	700	1114	1761	2756	-	83	139	213	340	537	840
3½	440-480	5.5	-	1155	1925	2961	4713	7450	11662	-	352	587	903	1437	2271	3555
5½	208-240	16	-	188	313	481	766	1211	1876	-	57	95	147	233	369	572
5½	440-480	8	-	790	1320	2035	3240	5120	7935	-	241	402	620	988	1561	2419