

60Hz Unit Cable Sizing Chart - 50ft Increments

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)
½ HP	120	5.6	150	250	450	650	1050	1700	2650
½ HP	208-240	2.8	600	900	1550	2350	3750	5950	9250
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)
1 HP	120	19	--	--	100	200	300	500	750
1 HP	208-240	9.6	--	250	450	650	1100	1750	2700
2 HP	208-240	12.6	--	200	300	500	800	1300	2050
3½ HP	208-240	15.2	--	--	250	400	700	1100	1700
5 HP	208-240	27.1	--	--	--	250	350	600	950
7½ HP	220-240*	42	--	--	--	150	250	400	650
10HP	220-240*	60	--	--	--	--	150	300	450
* The 7.5HP-25HP 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)
1 HP	208-240	5.4	--	550	900	1400	2250	3550	5550
1 HP	440-480	2.7	--	2350	3900	6000	9600	15150	23500
2 HP	208-240	6.3	--	450	750	1200	1900	3050	4750
2 HP	440-480	3.1	--	2050	3400	5250	8350	13200	20450
3 HP	208-240	10.1	--	300	450	750	1200	1900	2950
3 HP	440-480	5.1	--	1200	2050	3150	5050	8000	12450
5 HP	208-240	18	--	--	250	400	650	1050	1650
5 HP	440-480	9	--	700	1150	1800	2850	4550	7050
7½ HP	220-240*	26.4	--	--	--	300	450	750	1200
7½HP	440-480	13.2	--	450	800	1200	1950	3100	4800
10 HP	220-240*	36	--	--	--	200	350	550	850
10 HP	440-480	18	--	--	550	900	1400	2250	3500
15 HP	220-240*	46	--	--	--	150	250	400	650
15 HP	440-480	23	--	--	--	700	1100	1750	2750
20 HP	220-240*	58	--	--	--	--	200	350	550
20 HP	440-480	29	--	--	--	550	850	1400	2150
25 HP	220-240*	72	--	--	--	--	--	250	400
25 HP	440-480	36	--	--	--	450	700	1100	1750
* The 7.5HP-25HP models require a minimum voltage of 220V.									
Volcano II 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)
½	120	7	100	200	350	550	850	1350	2100
½	208-240	3.5	450	700	1200	1900	3000	4750	7400
Volcano III 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)
1½	208-240	8	-	300	500	800	1300	2100	3250
3½	208-240	16	-	150	250	400	650	1050	1600
5½	208-240	26	-	-	-	250	400	600	1000
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)
1½	208-240	6	-	500	800	1250	2000	3200	5000
1½	440-480	3	-	2100	3500	5400	8600	13650	21150
3½	208-240	11	-	250	450	700	1100	1750	2700
3½	440-480	5.5	-	1150	1900	2950	4700	7450	11500
5½	208-240	16	-	150	300	450	750	1200	1850
5½	440-480	8	-	750	1300	2000	3200	5100	7900