

Motor HP, Amps and Wire/Conduit Size Table

HP	Voltage	Amps	Recommended Wire Size	Conduit Size (Dia. Inches)
5	480/3	7	(3) #12 AWG + (1) #12 GND	3/4"
10	480/3	14	(3) #10 AWG + (1) #12 GND	3/4"
15	480/3	21	(3) #10 AWG + (1) #10 GND	3/4"
20	480/3	27	(3) #8 AWG + (1) #10 GND	3/4"
25	480/3	34	(3) #8 AWG + (1) #10 GND	3/4"
30	480/3	40	(3) #8 AWG + (1) #10 GND	3/4"
40	480/3	52	(3) #6 AWG + (1) #8 GND	1"
50	480/3	60	(3) #4 AWG + (1) #8 GND	1 1/4"
60	480/3	77	(3) #3 AWG + (1) #6 GND	1 1/2"
75	480/3	96	(3) #2 AWG + (1) #6 GND	1 1/2"
100	480/3	124	(3) 2/0 + (1) #6 GND	2"
125	480/3	156	(3) 4/0 + (1) #4 GND	2 1/2"
150	480/3	180	(3) 4/0 + (1) #4 GND	2 1/2"
200	480/3	240	(3) 250 MCM + (1) #3 GND	3"
250	480/3	300	(6) 3/0 + (1) #3 GND	3"
	480/3	350	(6) 4/0 + (1) #3 GND	4"
300	480/3	360	(6) 250 MCM + (2) #1 GND	(2) 2 1/2" or (1) 4"
400	480/3	480	(6) 300 MCM + (2) #1 GND	(2) 3" or (1) 5"
500	480/3	600	(6) 500 MCM + (2) 1/0 GND	(2) 3" or (1) 5"
600	480/3	720	(6) 600 MCM + (2) 2/0 GND	(2) 3" or (1) 5"
1250	4160/3	148	(3) 3/0 + (1) #6 GND	3"
1500	4160/3	177	(3) 4/0 + (1) 2/0 GND	4"