

SUGGESTED VALUES FOR ELECTRICAL WIRING REFERENCE NATIONAL ELECTRIC CODE

MOTOR H.P.	VOLTAGE	FULL LOAD AMPS	OVERLOAD ELEMENTS	WIRE FEED TO MOTOR (COPPER)	DUAL ELEMENT FUSES	CIRCUIT BREAKERS	WIRE TO FEED (0-100 FT) DISCONNECT	WIRE TO FEED (100-250 FT) DISCONNECT	MINIMUM DISCONNECT SIZES
1.5 HP	220 - 1 ϕ	7.20	B80 / B48	14 GAUGE	10 AMP	15 AMP	12 GAUGE	12 GAUGE	30 AMP
1.5 HP	208 - 1 ϕ	7.96	B80 / B49	14 GAUGE	15 AMP	20 AMP	12 GAUGE	10 GAUGE	30 AMP
1.5 HP	115 - 1 ϕ	14.4	C15 / B57	12 GAUGE	25 AMP	30 AMP	10 GAUGE	10 GAUGE	30 AMP
3 HP	460 - 3 ϕ	4.0	B4.2 / B42	16 GAUGE	7 AMP	10 AMP	12 GAUGE	12 GAUGE	30 AMP
3 HP	230 - 3 ϕ	8.0	C10 / B50	14 GAUGE	14 AMP	20 AMP	10 GAUGE	10 GAUGE	30 AMP
3 HP	208 - 3 ϕ	8.5	C10 / B51	14 GAUGE	14 AMP	20 AMP	10 GAUGE	10 GAUGE	30 AMP
5 HP	460 - 3 ϕ	7.5	C10 / B49	16 GAUGE	12 AMP	15 AMP	12 GAUGE	12 GAUGE	30 AMP
5 HP	230 - 3 ϕ	15.0	C15 / B57	14 GAUGE	25 AMP	30 AMP	10 GAUGE	10 GAUGE	30 AMP
5 HP	208 - 3 ϕ	16.5	C15 / B58	14 GAUGE	25 AMP	30 AMP	10 GAUGE	8 GAUGE	30 AMP
5HP	220 - 1 ϕ	28.0	**C32 / B64	10 GAUGE	35 AMP	40 AMP	6 GAUGE	6 GAUGE	60 AMP
10 HP	460 - 3 ϕ	14.0	**C15 / B55	12 GAUGE	17.5 AMP	20 AMP	10 GAUGE	10 GAUGE	30 AMP
10 HP	230 - 3 ϕ	28.0	**C32 / B64	10 GAUGE	35 AMP	40 AMP	6 GAUGE	6 GAUGE	60 AMP
10 HP	208 - 3 ϕ	31.0	**C32 / B66	8 GAUGE	40 AMP	50 AMP	6 GAUGE	6 GAUGE	60 AMP
10 HP	220 - 1 ϕ	45.0	C45 / B70	6 GAUGE	60 AMP	60 AMP	6 GAUGE	4 GAUGE	250V-60 AMP
15 HP	460 - 3 ϕ	21.0	C32 / B60	10 GAUGE	25 AMP	30 AMP	6 GAUGE	6 GAUGE	60 AMP
15 HP	230 - 3 ϕ	42.0	C45 / B69	8 GAUGE	50 AMP	60 AMP	6 GAUGE	6 GAUGE	60 AMP
15 HP	208 - 3 ϕ	46.0	C45 / B70	6 GAUGE	50 AMP	60 AMP	6 GAUGE	4 GAUGE	60 AMP
20 HP	460 - 3 ϕ	27.0	C32 / B63	10 GAUGE	30 AMP	40 AMP	6 GAUGE	4 GAUGE	60 AMP
20 HP	230 - 3 ϕ	54.0	C63 / B71	6 GAUGE	60 AMP	70 AMP	2 GAUGE	2 GAUGE	100 AMP
20 HP	208 - 3 ϕ	59.0	C63 / B72	4 GAUGE	70 AMP	70 AMP	2 GAUGE	2 GAUGE	100 AMP
30 HP	460 - 3 ϕ	40.0	B68	8 GAUGE	50 AMP	60 AMP	6 GAUGE	4 GAUGE	60 AMP
30 HP	230 - 3 ϕ	80.0	B75	3 GAUGE	100 AMP	100 AMP	2 GAUGE	1 GAUGE	100 AMP
30 HP $\hat{I}$	208 - 3 ϕ	88.0	B76	2 GAUGE	110 AMP	125 AMP	1 GAUGE	1 / 0	200 AMP
60 HP	460 - 3 ϕ	77.0	SIZE 5 *	2 GAUGE	90 AMP	100 AMP	2 GAUGE	1 GAUGE	100 AMP
60 HP	230 - 3 ϕ	154.0	SIZE 6 *	3 / 0	180 AMP	200 AMP	3 / 0	4 / 0	200 AMP
30 HP + ROTO	220 - 1 ϕ	140	SIZE 4 *	2 / 0	150 AMP	150 AMP	2 / 0	DO NOT RECOMMEND	200 AMP