

MINIMUM WIRE SIZES FOR THREE-PHASE MOTORS

MOTOR HP	25 TO 50 FEET			100 FEET			150 TO 200 FEET		
	200V	230V	460V	200V	230V	460V	200V	230V	460V
1/8	14	14	14	14	14	14	14	14	14
1/6	14	14	14	14	14	14	14	14	14
1/4	14	14	14	14	14	14	14	14	14
1/3	14	14	14	14	14	14	12	14	14
1/2	14	14	14	12	14	14	10	12	14
3/4	14	14	14	12	14	14	10	10	14
1	14	14	14	12	12	14	8	10	14
1½	12	14	14	10	10	14	6	8	14
2	12	12	12	8	10	14	6	6	12
3	10	10	12	6	8	14	4	6	12

MINIMUM WIRE SIZES FOR SINGLE-PHASE MOTORS

MOTOR HP	25 FEET		50 FEET		100 FEET		150 FEET		200 FEET	
	115V	230V	115V	230V	115V	230V	115V	230V	115V	230V
1/8	14	14	14	14	12	14	10	14	8	14
1/6	14	14	12	14	10	14	8	14	6	12
1/4	14	14	10	14	8	14	6	12	4	10
1/3	14	14	10	14	8	14	6	12	4	10
1/2	12	14	8	14	6	12	4	19	3	8
3/4	10	14	6	12	4	10	2	8	1	6
1	10	14	6	12	4	10	2	8	1	6
1½	8	14	6	12	3	8	1	6	1/0	6
2	8	12	4	10	2	8	1/0	6	2/0	4
3	6	12	3	8	1/0	6	2/0	4	4/0	3

Data reproduced from "Dayton Fractional HP Motors - Motor Installation and Maintenance Information", Dayton Electric Co.