

Fuse Sizing Recommendation



This chart calculates correction factors. Please **round up to next common breaker/fuse size**. Some models are not available in each voltage listed (generic calculations).

Motor Voltage:	Fixed Speed												Variable Speed
	FLA 200V (A)	FLA 230V (A)	FLA 460V (A)	200V	230V	460V	200v	230V	460V	200V	230V	460V	460V
Model				DUAL ELEMENT TIME DELAY FUSE			INVERSE TIME BREAKER			INSTANTANEOUS TRIP BREAKER			INSTANTANEOUS TRIP BREAKER
TS05 (1PH)	N/A	23	N/A	N/A	28.75	N/A	N/A	34.5	N/A	N/A	46	N/A	N/A
TS07 (1PH)	N/A	37.5	N/A	N/A	46.88	N/A	N/A	56.25	N/A	N/A	75	N/A	N/A
TS05	N/A	15.9	7.3	N/A	19.88	9.13	N/A	23.85	10.95	N/A	31.8	14.6	N/A
TS07	N/A	21.2	8.6	N/A	26.50	10.75	N/A	31.8	12.9	N/A	42.4	17.2	N/A
TS10	N/A	39	15.4	N/A	48.75	19.25	N/A	58.5	23.1	N/A	78	30.8	N/A
TS15	N/A	40.3	18.2	N/A	50.38	22.75	N/A	60.45	27.3	N/A	80.6	36.4	N/A
EN03	23	12.3	6.4	28.75	15.38	8.00	57.50	18.45	9.6	46	24.6	12.8	N/A
EN04 (1PH)	N/A	33.9	N/A	N/A	42.38	N/A	N/A	50.85	N/A	N/A	67.8	N/A	N/A
EN04	22.2	18	9.2	27.75	22.50	11.50	55.50	27	13.8	44.4	36	18.4	N/A
EN05 (1PH)	N/A	38.9	N/A	N/A	48.63	N/A	N/A	58.35	N/A	N/A	77.8	N/A	N/A
EN05	23.2	20.6	10.5	29	25.75	13.13	58.00	30.9	15.75	46.4	41.2	21	N/A
EN07	33.9	27.1	13.8	42.38	33.88	17.25	84.75	40.65	20.7	67.8	54.2	27.6	17
EN11	N/A	40.5	20.7	N/A	50.63	25.88	N/A	60.75	31.05	N/A	81	41.4	26
EG11 - AB11	51.5	47.24	23.73	64.38	59.05	29.66	128.75	70.86	35.595	103	94.48	47.46	30
EN15 - EG15 - AB15	67.2	54.7	28	84	68.38	35.00	168.00	82.05	42	134.4	109.4	56	35
EN18	87	68.4	34.3	108.8	85.50	42.88	217.50	102.6	51.45	174	136.8	68.6	43
EN22 - EG22 - AB22	99	84.6	42.4	123.8	105.75	53.00	247.50	126.9	63.6	198	169.2	84.8	53
EN30	N/A	93	46.6	N/A	116.25	58.25	N/A	139.5	69.9	N/A	186	93.2	58
EG30 - AB30	126	112.5	56.4	157.5	140.63	70.50	315.00	168.75	84.6	252	225	112.8	71
EN37 - EG37 - AB37	159	139.2	70.2	198.8	174.00	87.75	397.50	208.8	105.3	318	278.4	140.4	88
EG45 - AB45	N/A	N/A	81.2	N/A	N/A	101.50	N/A	N/A	121.8	N/A	N/A	162.4	102
EG55 - AB55	N/A	N/A	104.1	N/A	N/A	130.13	N/A	N/A	156.15	N/A	N/A	208.2	130
OF45	N/A	N/A	87	N/A	N/A	108.75	N/A	N/A	130.5	N/A	N/A	174	109
EG75 - AB75	N/A	N/A	142	N/A	N/A	177.50	N/A	N/A	213	N/A	N/A	284	178
OF55	N/A	N/A	111	N/A	N/A	138.75	N/A	N/A	166.5	N/A	N/A	222	139
OF75	N/A	N/A	145	N/A	N/A	181.25	N/A	N/A	217.5	N/A	N/A	290	181
EG90 - AB90	N/A	N/A	162.7	N/A	N/A	203.38	N/A	N/A	244.05	N/A	N/A	325.4	203
OF90	N/A	N/A	191	N/A	N/A	238.75	N/A	N/A	286.5	N/A	N/A	382	239
OF110	N/A	N/A	232	N/A	N/A	290.00	N/A	N/A	348	N/A	N/A	464	290
EG90P	N/A	N/A	155.7	N/A	N/A	194.63	N/A	N/A	233.55	N/A	N/A	311.4	195
EG110 - AB110	N/A	N/A	210.3	N/A	N/A	262.88	N/A	N/A	315.45	N/A	N/A	420.6	263
EG110P	N/A	N/A	201.4	N/A	N/A	251.75	N/A	N/A	302.1	N/A	N/A	402.8	252
EG160	N/A	N/A	280.5	N/A	N/A	350.63	N/A	N/A	420.75	N/A	N/A	561	351
OF170	N/A	N/A	358	N/A	N/A	447.50	N/A	N/A	537	N/A	N/A	716	448
EG160P	N/A	N/A	268.1	N/A	N/A	335.13	N/A	N/A	402.15	N/A	N/A	536.2	335
EG200	N/A	N/A	332	N/A	N/A	415.00	N/A	N/A	498	N/A	N/A	664	415
EG250	N/A	N/A	393	N/A	N/A	491.25	N/A	N/A	589.5	N/A	N/A	786	491

Note:
 1) This chart consists of *suggested* values based off of specific calculations from NEC. Please refer to local code and refer to NEC for any specifics or exceptions.
 2) Please round up these calculations to the next available breaker/fuse size.