

KV-A/kW Generator Amperage Chart

80% Power Factor Three Phase					1.0 Power Factor Single Phase	
KVA	kW	208V	240V	480V	KVA	120/240
6.3	5	17.5	15.2	7.6	5	20.8
9.4	8	27.8	24	12	8	33.33
12.5	10	34.7	30.1	15	10	41.6
18.7	15	52	45	22.5	15	62.5
25	20	69.5	60	30	20	83.3
31.3	25	87	75.5	37	25	104
37.5	30	104	90	45	30	125
43.7	35	121	105	52	35	145
50	40	139	120	60	40	166
56.25	45	156	135	67	45	187
62.5	50	173	152	76	50	208
75	60	208	181	91	60	250
81.25	65	225	195	97	65	270
93.8	75	261	226	113	75	312
100	80	278	240	120	80	333
125	100	347	301	150	100	416
156	125	433	375	188	125	520
187	150	520	450	225	150	625
219	175	608	527	264	175	729
250	200	694	601	301	200	833
281	225	781	677	338	225	937
287	230	798	692	346	230	958
312	250	868	752	376	250	1041
343	275	955	827	413	275	1145
375	300	1040	903	451	300	1250
438	350	1220	1053	527	350	1458
500	400	1390	1203	602	400	1666
531	425	1476	1279	639	425	1770
562	450	1563	1354	677	450	1875
625	500	1735	1504	752	500	2083
750	600	2080	1803	903		
812	650	2257	1956	978		
937	750	2605	2257	1125		
1250	1000	2470	3010	1500		
1563	1250	4338	3763	1875		
1875	1500	5205	4515	2250		
2188	1750	5268	6073	2625		
2500	2000	6940	6020	3000		
3125	2500	8675	7525	3750		

NEMA Codes for Starting KVA/HP Three Phase Motors

Code	Starting KVA/HP*	Typical Size Range	Code	Starting KVA/HP*	Typical Size Range
A	0 - 3.15	-	L	9.0 - 10.0	1 Hp
B	3.15 - 3.55	-	M	10.0 - 11.2	Less than 1 Hp
C	3.55 - 4.0	-	N	11.2 - 12.5	-
D	4.0 - 4.5	-	P	12.5 - 14.0	-
E	4.5 - 5.0	-	R	14.0 - 16.0	-
F	5.0 - 5.6	15 Hp & up	S	16.0 - 18.0	-
G	5.6 - 6.3	10 Hp	T	18.0 - 20.0	-
H	6.3 - 7.1	7.5 & 5 Hp	U	20.0 - 22.4	-
J	7.1 - 8.0	3 Hp	VL	22.4 & up	-
K	8.0 - 9.0	2 & 1.5 Hp			

*unless the actual KVA for starting is known, use the higher value.



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