

Starter selection by motor horsepower & voltage

NEMA sizes & ratings, three phase

Starters 3

NEMA size	Motor horsepower				Complete starter		Starter components			
	3-phase, 1800 RPM ①				Catalog number	List price	Contactors		Overload relays	
	200V	230V	460V	575V			Catalog number	List price	Catalog number	List price
00	—	—	—	1/4	A9N00S-84C	\$ 165	A9N00-30-10-84	\$ 78	TA25DU0.4 (0.25 – .4)	\$ 63
	—	—	—	1/3	A9N00S-84D		A9N00-30-10-84		TA25DU0.63 (0.4 – .63)	
	—	—	1/4	1/2	A9N00S-84E		A9N00-30-10-84		TA25DU1.0 (0.63 – 1.0)	
	—	1/4	1/3, 1/2	—	A9N00S-84F		A9N00-30-10-84		TA25DU1.4 (1.0 – 1.4)	
	—	1/3	3/4	3/4	A9N00S-84G		A9N00-30-10-84		TA25DU1.6 (1.3 – 1.6)	
	1/3, 1/4	1/2	1	1	A9N00S-84H		A9N00-30-10-84		TA25DU2.4 (1.7 – 2.4)	
	1/2	—	—	1.5, 2	A9N00S-84J		A9N00-30-10-84		TA25DU3.1 (2.2 – 3.1)	
	3/4	3/4	1.5, 2	—	A9N00S-84K		A9N00-30-10-84		TA25DU4.0 (2.8 – 4.0)	
	—	1	—	—	A9N00S-84L		A9N00-30-10-84		TA25DU5.0 (3.5 – 5.0)	
	1	1.5	—	—	A9N00S-84M		A9N00-30-10-84		TA25DU6.5 (4.5 – 6.5)	
	1.5	—	—	—	A9N00S-84N		A9N00-30-10-84		TA25DU8.5 (6.0 – 8.5)	
0	—	—	—	3	A16N0S-84L	200	A16N0-30-10-84	102	TA25DU5.0 (3.5 – 5.0)	\$ 63
	—	—	3	5	A16N0S-84M		A16N0-30-10-84		TA25DU6.5 (4.5 – 6.5)	
	2	2	5	—	A16N0S-84N		A16N0-30-10-84		TA25DU8.5 (6.0 – 8.5)	
	3	3	—	—	A16N0S-84P		A16N0-30-10-84		TA25DU11 (7.5 – 11)	
1	—	—	—	7.5	A26N1S-84P	294	A26N1-30-10-84	183	TA25DU11 (7.5 – 11)	\$ 63
	—	—	7.5	10	A26N1S-84Q		A26N1-30-10-84		TA25DU14 (10 – 14)	
	5	5	10	—	A26N1S-84R		A26N1-30-10-84		TA25DU19 (13 – 19)	
	7.5	7.5	—	—	A26N1S-84S		A26N1-30-10-84		TA25DU25 (18 – 25)	
2	—	—	—	15	A50N2S-84R	393	A50N2-30-11-84	330	TA25DU19 (13 – 19) ③	102
	—	—	15	20	A50N2S-84A	458	A50N2-30-11-84	330	TA75DU25 (18 – 25)	
	—	10	20	25	A50N2S-84B		A50N2-30-11-84		TA75DU32 (22 – 32)	
	10	15	25	—	A50N2S-84C		A50N2-30-11-84		TA75DU42 (29 – 42)	
3	—	—	—	30	A75N3S-84C	563	A75N3-30-11-84	413	TA75DU42 (29 – 42)	\$ 63
	15	—	30	40	A75N3S-84D		A75N3-30-11-84		TA75DU52 (36 – 52)	
	20	20	40	50	A75N3S-84E		A75N3-30-11-84		TA75DU63 (45 – 63)	
	25	25, 30	50	—	A75N3S-84F		A75N3-30-11-84		TA75DU80 (60 – 80)	
4	—	—	—	60	A145N4S-84R	1315	A145N4-30-11-84	825	TA200DU90 (65 – 90)	165
	—	—	60	75	A145N4S-84A		A145N4-30-11-84			
	30	40	75	100	A145N4S-84B		A145N4-30-11-84			
	40	50	100	—	A145N4S-84C		A145N4-30-11-84			
5	50	—	—	125	A260N5S-84T	2740	A260N5-30-11-84	1815	TA200DU150 (110 – 150)	225
	60	60	125	150	A260N5S-8A		A260N5-30-11-84		TA450DU185 (130 – 185)	488
	75	75	150	200	A260N5S-8A		A260N5-30-11-84		TA450DU310 (220 – 310)	
	—	100	200	—	A260N5S-8C		A260N5-30-11-84			
6	100, 125, 150	125, 150, 200	250, 300, 400	250, 300, 400	A460N6S-70E5	5700	AF460N6-3011-70	4425	E500DU500 (170 – 500)	865
7	—	250, 300	500, 600	500, 600	A750N7S-70E8	8646	AF750N7-3011-70	7200	E800DU800 (270 – 800)	950

CAUTION: The above ratings are based on average motor FLA. Actual FLA on the motor nameplate should be used for overload relay setting.

Coil voltage selection

All AC operated catalog numbers include a 120VAC coil. To select other coil voltages, substitute the code from the Coil Voltage Selection Chart for the two digits after the last dash in the catalog number.

Ex.: A 240V coil is required for an A75 starter: A75NS-80F

D.C. operated starters

If DC operation is required, consult factory.

Factory modifications

See page 3.3

Coil voltage selection – A9 - A300 ②

Hz	Cntr type	Volts															
		12	24	48	110	120	125	208	220	240	277	380	415	440	480	500	600
60	A		81	83	84	84		34	36	80	42		86	86	51	53	55
50	A		81	83	84			80				85	86			55	

For other voltages, see page 1.26.

Coil voltage selection – A400 - A750 ②

Hz	Cntr type	Volts			
		24 - 60	48 - 130	100 - 250	250 - 500
60	AF	68	69	70	71
50	AF	68	69	70	71
DC	AF	68	69	70	71

Control transformer voltage selection chart

Hz	Type	Volts			
		208/120	230 – 240/120	460 – 480/120	575 – 600/120
50/60	A/AF	0	7	8	9

For other voltages, consult factory.

① For motors with RPM greater or less than 1800 RPM, check full load amp rating on motor nameplate to ensure proper overload protection.

② For AF50 – AF 300 starters, consult factory.

③ Overload to be base mounted.