

Starter selection by motor horsepower & voltage NEMA sizes & ratings, three phase

Starters

3

NEMA size	Motor horsepower				Open Complete starter		Starter components				
	3-phase, 1800 RPM ①						Contactor		Overload relays		
	200V	230V	460V	575V	Catalog number	List price	Catalog number	List price	Catalog number	List price	
00	—	—	—	1/4	J1-2C	\$ 165	A9N00-30-10-84	\$ 78	TA25DU0.4 (0.25 - .4)	\$ 63	
	—	—	—	1/3	J1-2D		A9N00-30-10-84		TA25DU0.63 (0.4 - .63)		
	—	—	1/4	1/2	J1-2E		A9N00-30-10-84		TA25DU1.0 (0.63 - 1.0)		
	—	1/4	1/3, 1/2	—	J1-2F		A9N00-30-10-84		TA25DU1.4 (1.0 - 1.4)		
	—	1/3	3/4	3/4	J1-2G		A9N00-30-10-84		TA25DU1.6 (1.3 - 1.6)		
	1/3, 1/4	1/2	1	1	J1-2H		A9N00-30-10-84		TA25DU2.4 (1.7 - 2.4)		
	1/2	—	—	1.5, 2	J1-2J		A9N00-30-10-84		TA25DU3.1 (2.2 - 3.1)		
	3/4	3/4	1.5, 2	—	J1-2K		A9N00-30-10-84		TA25DU4.0 (2.8 - 4.0)		
	—	1	—	—	J1-2L		A9N00-30-10-84		TA25DU5.0 (3.5 - 5.0)		
	1	1.5	—	—	J1-2M		A9N00-30-10-84		TA25DU6.5 (4.5 - 6.5)		
1.5	—	—	—	J1-2N	A9N00-30-10-84	TA25DU8.5 (6.0 - 8.5)					
0	—	—	—	3	K1-2L	200	A16N0-30-10-84	102	TA25DU5.0 (3.5 - 5.0)	\$ 63	
	—	—	3	5	K1-2M		A16N0-30-10-84		TA25DU6.5 (4.5 - 6.5)		
	2	2	5	—	K1-2N		A16N0-30-10-84		TA25DU8.5 (6.0 - 8.5)		
	3	3	—	—	K1-2P		A16N0-30-10-84		TA25DU11 (7.5 - 11)		
1	—	—	—	7.5	L1-2P	294	A26N1-30-10-84	183	TA25DU11 (7.5 - 11)	\$ 63	
	—	—	7.5	10	L1-2Q		A26N1-30-10-84		TA25DU14 (10 - 14)		
	5	5	10	—	L1-2R		A26N1-30-10-84		TA25DU19 (13 - 19)		
	7.5	7.5	—	—	L1-2S		A26N1-30-10-84		TA25DU25 (18 - 25)		
2	—	—	—	15	M1-2R	458	A50N2-30-11-84	330	TA25DU19 (13 - 19) ②	\$ 63	
	—	—	15	20	M1-2A		A50N2-30-11-84		TA75DU25 (18 - 25)		
	—	10	20	25	M1-2B		A50N2-30-11-84		TA75DU32 (22 - 32)		
	10	15	25	—	M1-2C		A50N2-30-11-84		TA75DU42 (29 - 42)		
3	—	—	—	30	N1-2C	563	A75N3-30-11-84	413	TA75DU42 (29 - 42)	102	
	15	—	30	40	N1-2D		A75N3-30-11-84		TA75DU52 (36 - 52)		
	20	20	40	50	N1-2E		A75N3-30-11-84		TA75DU63 (45 - 63)		
	25	25, 30	50	—	N1-2F		A75N3-30-11-84		TA75DU80 (60 - 80)		
4	—	—	60	60, 75	P1-2A	1,315	A145N4-30-11-84	825	TA200DU90 (65 - 90)	165	
	30	40	75	100	P1-2B		A145N4-30-11-84		TA200DU110 (80 - 110)		
	40	50	100	—	P1-2C		A145N4-30-11-84		TA200DU135 (100 - 135)		
5	50, 60, 75	60, 75, 100	125, 150, 200	200	Q1-2E3	3,027	A260N5-30-11-84	1,815	E320DU320 (105-320)	775	
	—	100	200	—							
6	100, 125, 150	125, 150, 200	250, 300, 400	250, 300, 400	R1-70E5	5,700	AF460N6-3011-70	4,425	E500DU500 (170 - 500)	865	
7	—	250, 300	500, 600	500, 600	S1-70E8	8,646	AF750N7-3011-70	7,200	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: N1-4F

D.C. operated starters

If DC operation is required, consult factory.

Factory modifications

See page 3.3

Coil voltage selection – A9 - A300

Hz	Contactor type	Volts									
		24	110	120	208	220	240	440	480	500	600
60	A	1		2	3		4	5	6		7
50	A	1	2			4				7	

Coil voltage selection – AF400 - AF750 ①

Hz	Contactor type	Volts	
		100 - 250	250 - 500
50/60	AF	70	71

Control transformer voltage selection chart

Hz	Type	Volts			
		200-208/120	240/120	460 - 480/120	575 - 600/120
		A	B	C	D
50/60	Type	200-208/24	240/24	460 - 480/24	575 - 600/24
	A/AF	E	F	G	H

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

For AF50 - AF 300 starters, consult factory.

① AF400 - AF750 only.

② Overload to be base mounted.