

Starter selection by motor horsepower & voltage

Maximum UL/CSA ratings, three phase

3

Motor horsepower				Open 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			
—	—	—	1/4	11-2C	\$ 165	A9-30-10-84	\$ 78	TA25DU0.4 (0.25 – .4)	\$ 63			
—	—	1/4, 1/3	1/3	11-2D		A9-30-10-84		TA25DU0.63 (0.4 – .63)				
—	—	—	1/2	11-2E		A9-30-10-84		TA25DU1.0 (0.63 – 1.0)				
—	—	1/2	3/4	11-2F		A9-30-10-84		TA25DU1.4 (1.0 – 1.4)				
—	—	3/4	—	11-2G		A9-30-10-84		TA25DU1.8 (1.3 – 1.8)				
—	1/2	1	1.5	11-2H		A9-30-10-84		TA25DU2.4 (1.7 – 2.4)				
1/2	—	1.5	2	11-2J		A9-30-10-84		TA25DU3.1 (2.2 – 3.1)				
3/4	3/4	2	—	11-2K		A9-30-10-84		TA25DU4.0 (2.8 – 4.0)				
—	1	—	3	11-2L		A9-30-10-84		TA25DU5.0 (3.5 – 5.0)				
1	1.5	3	5	11-2M		A9-30-10-84		TA25DU6.5 (4.5 – 6.5)				
2	2	5	—	11-2N		A9-30-10-84		TA25DU8.5 (6.0 – 8.5)				
—	—	—	7.5	11-2P		A9-30-10-84		TA25DU11 (7.5 – 11)				
3	3	7.5	10	21-2Q		171		A12-30-10-84		84	TA25DU14 (10 – 14)	
5	5	10	15	31-2R		200		A16-30-10-84		102	TA25DU19 (13 – 19)	
—	7.5	15	20	41-2S	294	A26-30-10-84	183	TA25DU25 (18 – 25)				
7.5	10	20	25	41-2T		A26-30-10-84		TA25DU32 (24 – 32)				
10	10	—	—	51-2B	365	A30-30-10-84	252	TA42DU32 (22 – 32)	78			
—	—	25	30	51-2C				TA42DU42 (29 – 42)				
10	15	30	40	61-2C	423	A40-30-10-84	297	TA42DU42 (29 – 42)				
15	—	40	50	71-2D	458	A50-30-11-84	330	TA75DU52 (36 – 52)	102			
—	20	—	—	71-2E		A50-30-11-84		TA75DU63 (45 – 63)				
20	—	—	—	81-2F	522	A63-30-11-84	372	TA75DU80 (60 – 80)	102			
—	—	50	60	81-2F		A63-30-11-84						
25	30	60	75	91-2F	563	A75-30-11-84	413					
30	40	75	100	A1-2B	765	A110-30-11-84	480	TA110DU110 (80 – 110)	165			
40	—	—	—	B1-2C	1,315	A145-30-11-84	825	TA200DU135 (100 – 135)	225			
—	50	100	125	B1-2D				TA200DU150 (110 – 150)				
50	60	125	150	C1-2E	1,730	A185-30-11-84	1,290	TA200DU175 (130 – 175)				
60	75	150	200	D1-2E3	2,422	A210-30-11-84	1,635					
75	100	200	250	E1-2E3	3,027	A260-30-11-84	1,815	E320DU320 (105-320)	775			
100	—	250	300	F1-2E3	3,177	A300-30-11-84	1,875					
125	125, 150	350	400	G1-70E5	4,125	AF400-30-11-70	3,120	E500DU500 (170 – 500)	865			
150	200	400	500	H1-70E5	9,375	AF460-30-11-70	4,425					
200	250	500	600	T1-70E8	12,400	AF580-30-11-70	6,900	E800DU800 (270 – 800)	950			
250	300	600	700	U1-70E8	13,350	AF750-30-11-70	7,200					

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: 91-4F

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	A/AF	A	B	C	D
	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 For AF400 - AF750 only.