

Wye-delta, closed transition

A26 - A750

Three phase

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UL motor switching current	Maximum ratings – UL Listed				Open type		UL Type 1 (Indoor metal)	
	Maximum motor horsepower ratings [Ⓜ]							
	200/208V	230/240V	460/480V	575/600V	Catalog number	List price	Catalog number	List price
UL rated								
28	15	15	30	40	A26SY-84★◆	\$ 4667	A25SY1-84★◆	\$ 4721
34	15	20	40	50	A30SY-84★◆	4967	A30SY1-84★◆	5021
42	20	25	50	60	A40SY-84★◆	5198	A40SY1-84★◆	5342
54	25	30	60	75	A50SY-84★◆	5396	A50SY1-84★◆	5540
65	30	40	75	100	A63SY-84★◆	7034	A63SY1-84★◆	7592
80	40	50	100	125	A75SY-84★◆	7781	A75SY1-84★◆	8339
95	50	60	125	—	A95SY-84★◆	12,000	A95SY1-84★◆	13,000
110	60	60	150	150	A110SY-84★◆	13,108	A110SY1-84★◆	14,107
130	75	75	150	200	A145SY-84★◆	14,324	A145SY1-84★◆	15,323
156	75	100	200	250	A185SY-84★◆	20,174	A185SY1-84★◆	21,173
192	100	125	250	300	A210SY-84★◆	23,054	A210SY1-84★◆	25,052
248	125, 150	150	300, 350	350, 400	A260SY-84★◆	24,413	A260SY1-84★◆	26,411
302	150	200	400	500	A300SY-84★◆	32,063	A300SY1-84★◆	37,061
414	200, 250	250	500	700	A400SY-70★◆	39,863	A400SY1-70★◆	43,350
480	300	300	650	850	A460SY-70★◆	50,522	A460SY1-70★◆	53,726
590	350	400	800	1000	A580SY-70★◆	65,910	A580SY1-70★◆	68,132
810	450	500	1000	1250	A750SY-70★◆	71,492	A750SY1-70★◆	74,696
NEMA rated								
NEMA size	Continuous current	200V	230V	460/575V				
1	27	10	10	15	A26N1SY-84★◆	\$ 4667	A26NSY1-84★◆	\$ 4721
2	45	20	25	40	A50N2SY-84★◆	5396	A50NSY1-84★◆	5540
3	90	40	50	75	A75N3SY-84★◆	7781	A75NSY1-84★◆	8339
4	135	60	75	150	A145N4SY-84★◆	14,324	A145NSY1-84★◆	15,323
5	270	150	150	300	A260N5SY-84★◆	24,413	A260NSY1-84★◆	26,411
6	540	300	350	700	A460N6SY-70★◆	50,522	A460NSY1-70★◆	53,726
7	810	500	500	1000	A750N7SY-70★◆	71,492	A750NSY1-70★◆	74,696

★ Overload Relay suffix code. Select from the overload relay selection chart on page 3.6.
◆ Horsepower and line voltage suffix code. Select from page 3.74.

Description

The wye-delta closed transition starter works the same way as the open transition wye-delta starter except the closed transition version utilizes a set of resistors during the transition from start to run (wye to delta connection). These resistors eliminate the open circuit and prevent transient currents.

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: A75SY1-80★

Factory modifications

See page 3.3

Coil voltage selection – A9 - A300 ①

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 ①

Hz	Cntr. type	Volts			
		24 - 60	48 - 130	100 - 250	250 - 500
60	AF	68	69	70	71 ②
50	AF	68	69	70	71 ②
DC	AF	68	69	70	71 ②

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.

Contactors and overload relays are sized at 58% of full load amps!

① For AF50 - AF300 starters, consult factory.
② AF400 - AF750 only.

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Reduced voltage
starters

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UL Type 3R (Outdoor metal)		Type 12 (Metal dustight)		UL Type 4 (Watertight)		UL Type 4X (Stainless steel)	
Catalog number	List price	Catalog number	List price	Catalog number	List price	Catalog number	List price

UL rated

A26SY3-84★◆	\$ 5621	A26SY2-84★◆	\$ 5621	A26SY4-84★◆	\$ 5801	A26SYX-84★◆	\$ 6450
A30SY3-84★◆	5921	A30SY2-84★◆	5921	A30SY4-84★◆	6101	A30SYX-84★◆	6788
A40SY3-84★◆	6467	A40SY2-84★◆	6467	A40SY4-84★◆	6557	A40SYX-84★◆	7275
A50SY3-84★◆	6665	A50SY2-84★◆	6665	A50SY4-84★◆	6755	A50SYX-84★◆	7650
A63SY3-84★◆	8942	A63SY2-84★◆	8942	A63SY4-84★◆	9347	A63SYX-84★◆	10,163
A75SY3-84★◆	9689	A75SY2-84★◆	9689	A75SY4-84★◆	10,094	A75SYX-84★◆	11,138
A95SY3-84★◆	14,900	A95SY2-84★◆	14,900	A95SY4-84★◆	15,900	A95SYX-84★◆	17,000
A110SY3-84★◆	15,907	A110SY2-84★◆	15,907	A110SY4-84★◆	16,870	A110SYX-84★◆	18,350
A145SY3-84★◆	17,123	A145SY2-84★◆	17,023	A145SY4-84★◆	18,086	A145SYX-84★◆	19,950
A185SY3-84★◆	22,973	A185SY2-84★◆	22,973	A185SY4-84★◆	28,436	A185SYX-84★◆	30,225
A210SY3-84★◆	27,482	A210SY2-84★◆	27,482	A210SY4-84★◆	30,182	A210SYX-84★◆	32,400
A260SY3-84★◆	28,841	A260SY2-84★◆	28,841	A260SY4-84★◆	31,541	A260SYX-84★◆	33,450
A300SY3-84★◆	34,991	A300SY2-84★◆	34,991	A300SY4-84★◆	37,691	A300SYX-84★◆	40,688
A400SY3-70★◆	41,250	A400SY2-70★◆	41,250	A400SY4-70★◆	45,330	A400SYX-70★◆	48,675
A460SY3-70★◆	57,101	A460SY2-70★◆	57,101	A460SY4-70★◆	60,476	A460SYX-70★◆	66,900
A580SY3-70★◆	72,749	A580SY2-70★◆	72,749	A580SY4-70★◆	75,633	A580SYX-70★◆	83,625
A750SY3-70★◆	78,071	A750SY2-70★◆	78,071	A750SY4-70★◆	81,446	A750SYX-70★◆	88,725

NEMA rated

A26NSY3-84★◆	\$ 5621	A26NSY2-84★◆	\$ 5621	A26NSY4-84★◆	\$ 5801	A26NSYX-84★◆	\$ 6450
A50NSY3-84★◆	6665	A50NSY2-84★◆	6665	A50NSY4-84★◆	6755	A50NSYX-84★◆	7650
A75NSY3-84★◆	9689	A75NSY2-84★◆	9689	A75NSY4-84★◆	10,094	A75NSYX-84★◆	11,138
A145NSY3-84★◆	17,123	A145NSY2-84★◆	17,023	A145NSY4-84★◆	18,086	A145NSYX-84★◆	19,950
A260NSY3-84★◆	28,841	A260NSY2-84★◆	28,841	A260NSY4-84★◆	31,541	A260NSYX-84★◆	33,450
A460NSY3-70★◆	57,101	A460NSY2-70★◆	57,101	A460NSY4-70★◆	60,476	A460NSYX-70★◆	66,900
A750NSY3-70★◆	78,071	A580NSY2-70★◆	78,071	A750NSY4-70★◆	81,446	A750NSYX-70★◆	88,725

★ Overload Relay suffix code. Select from the overload relay selection chart on page 3.6.

◆ Horsepower and line voltage suffix code. Select from page 3.74.

Control transformer option

Contactor size	VA rating	List price adder
A9 - A40	45 ①	\$ 300
A9 - A40	50	360
A50 - A75	75	435
A95 - A110	100	560
A145 - A185	150	720
A210 - A300	250	795
A400 - A460	150	720 ②
A580 - A750	250	795 ②

① No primary fusing provided.

② A400 - A750 utilizes the AF wide range coil with a lower coil consumption than A210 - A300.