

## Wye-delta – closed transition Three phase

3

UL motor switching current	Maximum ratings – UL Listed				Open type		UL Type 1 (Indoor metal)	
	Maximum motor horsepower ratings ①				Catalog number	List price	Catalog number	List price
	200/208V	230/240V	460/480V	575/600V				
<b>UL rated</b>								
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
720	450	500	1000	1250	A750SY-70★◆	71,492	A750SY1-70★◆	74,696
<b>NEMA rated</b>								
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
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.

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

① For AF50 - AF300 starters, consult factory.