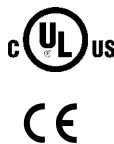


Reduced Voltage Starters

Controlled starting for low in-rush and smooth operation



Sprecher + Schuh reduced voltage starters are designed for starting squirrel cage induction motors where the starting current of a motor is likely to exceed local power company restrictions, interfere with plant operations or where the load may be damaged by high starting torques.

Starting with the best

All Sprecher + Schuh reduced voltage starters feature our CAT7 and CAT6 line of motor starters. These compact starters offer intermediate sizes to better match specific motor requirements. This equates to generous wiring space and less wasted horsepower capacity. Our advanced CEP7 solid state overload relays are used with starters. See Section B in this catalog for a full description of these excellent motor protection relays.

Choosing the right reduced voltage method

Autotransformer Starter – At starting, three autotransformers (one for each phase) are automatically connected in series with the motor. The voltage at the motor is reduced to either 50%, 65% or 80% depending on which voltage tap was selected.

After a timed interval, a contactor connects the motor across-the-line and shorts out the autotransformers. Factory standard autotransformers are rated for “medium duty” as defined by NEMA.

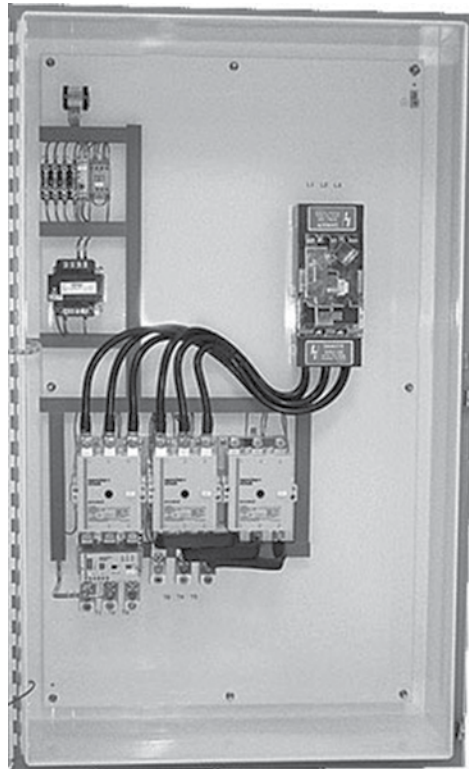
Part Winding Starter – This type of starting requires that the motor winding be in two equal parts, and that at least six terminal leads be provided on the motor. At starting, the controller is arranged to connect one section of the winding to the supply lines. After a timed interval, a second contactor connects the other section of the motor winding to the supply lines, in parallel with the first.

Wye-Delta Starter – This type of starting requires a special wye-delta motor. Both ends of the motor’s three windings are brought out so they are accessible for reconnecting from wye to delta. At starting, the controller connects the motor in the wye configuration. After a timed interval, a second contactor connects the motor in a delta configuration.

The reference chart below compares all three reduced voltage starting methods and contrasts them with across-the-line starting.

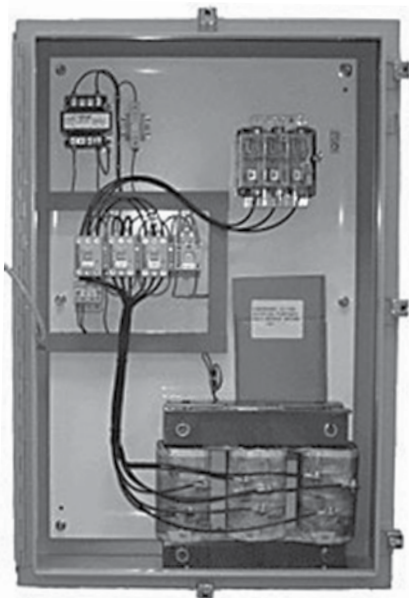
Reduced Voltage Comparison Table

Type of Starter	Starting Characteristics			Advantages	Disadvantages
	Voltage @ Motor	Line Current	Starting Torque		
Across-The-Line	100%	100%	100%	<ul style="list-style-type: none"> Least expensive. Simple to maintain. Highest starting torque. Readily available. Lowest installation cost. 	<ul style="list-style-type: none"> High starting inrush may exceed limits of local utility or electrical system. Starting torque may be too high for the application. Limited to smaller horsepower motors.
Autotransformer	80% 65% 50%	64% 42% 25%	64% 42% 25%	<ul style="list-style-type: none"> Provides highest torque per ampere of line current. Three different taps on transformer permit adjustment of starting voltage. Suitable for long starting periods. Closed transition starting. Uses standard motor.. 	<ul style="list-style-type: none"> In lower horsepower, is the most expensive design. Low power factor. Large physical size. High installation cost.
Part Winding	100%	65%	42%	<ul style="list-style-type: none"> Least expensive of all reduced voltage starters. Closed transition starting. Small physical size. Most dual voltage motors can be used. Simple design. Low installation cost. 	<ul style="list-style-type: none"> Poor torque efficiency Unsuited for high inertia, long starting loads. Motor may not accelerate during start period. Requires special motor design for voltages higher than 230 volts.
Wye-Delta	100%	33%	33%	<ul style="list-style-type: none"> Suitable for high inertia, long acceleration loads. High torque efficiency. Ideal for especially stringent inrush restrictions. Ideal for frequent starts. 	<ul style="list-style-type: none"> Requires special motor design. Low starting torque. Open transition (closed available). Complex design.



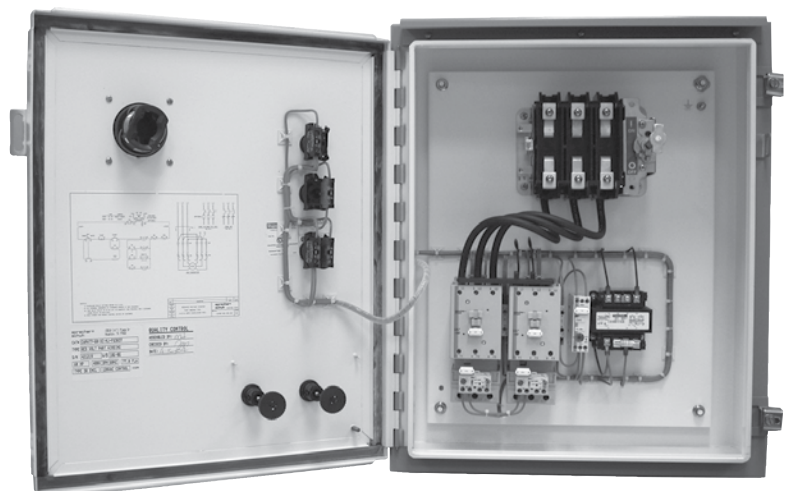
Wye-Delta Starter

This 350HP/480V combination reduced voltage, open transition wye-delta motor starter includes a circuit breaker disconnect, control transformer, and control terminals for customer connection.



Autotransformer Starter

A 150HP/480V reduced voltage auto-transformer starter mounted in a Type-4 enclosure.



Part-Winding Combination Starter

with L10 Fusible Disconnect



Starters & Enclosed Prod.

R.VLT

Autotransformer 10 HP to 125 HP (Closed Transition - Type 1 (M1) General Purpose Enclosure) ④

Maximum H.P.	3 Ø Volts	Without Short Circuit Protection				With Thermal Magnetic Circuit Breaker (MCCB)				With Fusible Disconnect ②③			
		Catalog No.	Price	D I M	MCCB Amps	Catalog No.	Price	D I M	Fuse Clip Amps	Catalog No.	Price	D I M	
		CAAT				CAAT				CAAT			
10	200	BA7-37-*◆-GO	7548	F	50	BA7-37-*◆-TB50GO	9705	S	60	BA7-37-*◆-JF62GO	8928	S	
	230	BB7-37-*◆-GO	7548	F	50	BB7-37-*◆-TB50GO	9705	S	60	BB7-37-*◆-JF62GO	8928	S	
15	200	CA7-60-*◆-GO	9400	F	80	CA7-60-*◆-TB80GO	11554	S	100	CA7-60-*◆-JF63GO	9638	S	
	230	CB7-43-*◆-GO	7866	F	70	CB7-43-*◆-TB70GO	10023	S	100	CB7-43-*◆-JF63GO	9283	S	
20	200	DA7-72-*◆-GO	9665	F	100	DA7-72-*◆-TB100GO	11819	S	100	DA7-72-*◆-JF63GO	9903	S	
	230	DB7-60-*◆-GO	9400	F	90	DB7-60-*◆-TB90GO	11554	S	100	DB7-60-*◆-JF63GO	9638	S	
25	200	EA7-85-*◆-GO	10006	F	125	EA7-85-*◆-TB125GO	12161	S	200	EA7-85-*◆-JF64GO	10244	S	
	230	EB7-72-*◆-GO	9665	F	125	EB7-72-*◆-TB125GO	11819	S	100	EB7-72-*◆-JF63GO	9903	S	
	460	EC7-37-*◆-GO	7548	F	60	EC7-37-*◆-TB60GO	9705	S	60	EC7-37-*◆-JF62GO	8928	S	
30	200	FA7-97-*◆-GO	10759	F	150	FA7-97-*◆-TB150GO	12693	S	200	FA7-97-*◆-JF64GO	13460	I	
	230	FB7-85-*◆-GO	10006	F	125	FB7-85-*◆-TB125GO	12161	S	200	FB7-85-*◆-JF64GO	10244	S	
	460	FC7-43-*◆-GO	7866	F	60	FC7-43-*◆-TB60GO	10023	S	60	FC7-43-*◆-JF62GO	9283	S	
	575	FD7-37-*◆-GO	7548	F	50	FD7-37-*◆-TB50GO	9705	S	60	FD7-37-*◆-JF62GO	8928	S	
40	200	GA6-115-*◆-GO	13353	H	200	GA6-115-*◆-TB200GO	17745	J	200	GA6-115-*◆-JF64GO	20646	J	
	230	GB6-115-*◆-GO	13353	H	175	GB6-115-*◆-TB175GO	17745	J	200	GB6-115-*◆-JF64GO	20646	J	
	460	GC7-60-*◆-GO	9400	F	80	GC7-60-*◆-TB80GO	11554	S	100	GC7-60-*◆-JF63GO	9638	S	
	575	GD7-60-*◆-GO	9400	F	70	GD7-60-*◆-TB70GO	11554	S	60	GD7-60-*◆-JF62GO	9638	S	
50	200	HA6-180-*◆-GO	23279	I	225	HA6-180-*◆-TB225GO	28699	J	400	HA6-180-*◆-JF65GO	29718	K3	
	230	HB6-140-*◆-GO	19675	I	200	HB6-140-*◆-TB200GO	22870	J	200	HB6-140-*◆-JF64GO	25772	J	
	460	HC7-72-*◆-GO	9665	F	100	HC7-72-*◆-TB100GO	11819	S	100	HC7-72-*◆-JF63GO	9903	S	
	575	HD7-60-*◆-GO	9400	F	80	HD7-60-*◆-TB80GO	11554	S	100	HD7-60-*◆-JF63GO	9638	S	
60	200	JA6-210-EI-*◆-GO	34120	J	300	JA6-210-EI-*◆-TB300GO	44565	J	400	JA6-210-EI-*◆-JF65GO	41339	K3	
	230	JB6-180-*◆-GO	23279	I	250	JB6-180-*◆-TB250GO	28699	J	400	JB6-180-*◆-JF65GO	29718	K3	
	460	JC7-85-*◆-GO	10006	F	125	JC7-85-*◆-TB125GO	12161	S	200	JC7-85-*◆-JF64GO	10244	S	
	575	JD7-72-*◆-GO	9665	F	100	JD7-72-*◆-TB100GO	11819	S	100	JD7-72-*◆-JF63GO	9903	S	
75	200	KA6-250-EI-*◆-GO	36421	J	350	KA6-250-EI-*◆-TB350GO	46867	K2	400	KA6-250-EI-*◆-JF65GO	42873	K2	
	230	KB6-210-EI-*◆-GO	34120	J	300	KB6-210-EI-*◆-TB300GO	44565	J	400	KB6-210-EI-*◆-JF65GO	41339	K3	
	460	KC7-97-*◆-GO	10759	F	150	KC7-97-*◆-TB150GO	12693	S	200	KC7-97-*◆-JF64GO	13460	I	
	575	KD7-97-*◆-GO	10759	F	125	KD7-97-*◆-TB125GO	12693	S	200	KD7-97-*◆-JF64GO	13460	I	
100	200	LA6-300-EI-*◆-GO	39768	J2	450	LA6-300-EI-*◆-TB450GO	50521	K2	600	LA6-300-EI-*◆-JF66GO	55670	K2	
	230	LB6-250-EI-*◆-GO	36421	J	400	LB6-250-EI-*◆-TB400GO	46867	K2	400	LB6-250-EI-*◆-JF65GO	42873	K2	
	460	LC6-140-*◆-GO	19675	I	200	LC6-140-*◆-TB200GO	22870	J	200	LC6-140-*◆-JF64GO	25772	J	
	575	LD6-115-*◆-GO	13353	H	150	LD6-115-*◆-TB150GO	17145	J	200	LD6-115-*◆-JF64GO	20646	J	
125	200	MA6-420-EI-*◆-GO	46609	J2	600	MA6-420-EI-*◆-TB600GO	62109	K2	600	MA6-420-EI-*◆-JF66GO	62508	K2	
	230	MB6-300-EI-*◆-GO	39768	J2	500	MB6-300-EI-*◆-TB500GO	50521	K2	600	MB6-300-EI-*◆-JF66GO	55670	K2	
	460	MC6-180-*◆-GO	23279	I	250	MC6-180-*◆-TB250GO	28699	J	400	MC6-180-*◆-JF65GO	29718	K3	
	575	MD6-140-*◆-GO	19675	I	200	MD6-140-*◆-TB200GO	22870	J	200	MD6-140-*◆-JF64GO	25772	J	

Starters & Enclosed Prod. R.VLT

Larger Horsepower Continued On Next Page →

NOTE: Catalog numbers, list Prices and enclosure dimensions reflect contactors with AC coils. For DC coils, select Coil Code from the DC Coil Code table on page C86 and follow the instructions for modifying catalog numbers and list Prices.

Ordering Instructions

Specify Catalog Number	
Replace (*) with Coil Code	See page C86
Replace (◆) with O/L Relay	See pages C87-C88
Factory Modifications available	See pages C89-C92

- ① Dimensional information starts on page C108.
- ② For Non-fusible Disconnect applications, replace the "F6" or "F2" characters with "U6". Example: CAATHC7-72-*◆-JF63GO becomes CAATHC7-72-*◆-JU63GO.
- ③ Fuse clips sized for use with "J"-type fuses.
- ④ Other enclosures available. See Factory Modifications in this section.
- ⑤ A Red and Yellow Handle may be selected instead of the standard Gray and Black handle. Change "JF" to "LF" in catalog number.

Autotransformer 150 HP to 1000 HP (Closed Transition - Type 1 (M1) General Purpose Enclosure) ④

Maximum H.P.	3 Ø Volts	Without Short Circuit Protection			With Thermal Magnetic Circuit Breaker (MCCB)			With Fusible Disconnect ②⑤				
		Catalog No.	Price ①	D I M	Catalog No.	Price ①	D I M	Catalog No.	Price ①	D I M		
		CAAT			CAAT			CAAT				
150	200	NA6-420-EI-*-◆-GO	46609	J2	700	NA6-420-EI-*-◆-TB700GO	62109	RF	800	NA6-420-EI-*-◆-JF67GO	62508	~
	230	NB6-420-EI-*-◆-GO	46609	J2	600	NB6-420-EI-*-◆-TB600GO	62109	K2	600	NB6-420-EI-*-◆-JF66GO	62508	K2
	460	NC6-180-*-◆-GO	23279	I	300	NC6-180-*-◆-TB300GO	28699	J	400	NC6-180-*-◆-JF65GO	29718	K3
	575	ND6-180-*-◆-GO	23279	I	225	ND6-180-*-◆-TB225GO	28699	J	400	ND6-180-*-◆-JF65GO	29718	K3
200	230	OB6-630-EI-*-◆-GO	R/F	~	800	OB6-630-EI-*-◆-TB800GO	R/F	~	800	OB6-630-EI-*-◆-JF67GO	R/F	~
	460	OC6-250-EI-*-◆-GO	36421	J	400	OC6-250-EI-*-◆-TB400GO	46867	K2	400	OC6-250-EI-*-◆-JF65GO	42873	K2
	575	OD6-210-EI-*-◆-GO	34120	J	300	OD6-210-EI-*-◆-TB300GO	44565	K2	400	OD6-210-EI-*-◆-JF65GO	41339	K3
250	230	PB6-630-EI-*-◆-GO	R/F	~		Refer to Factory				Refer to Factory		
	460	PC6-300-EI-*-◆-GO	39768	J2	500	PC6-300-EI-*-◆-TB500GO	50521	K2	600	PC6-300-EI-*-◆-JF66GO	55670	K2
	575	PD6-250-EI-*-◆-GO	36421	J	400	PD6-250-EI-*-◆-TB400GO	46867	K2	400	PD6-250-EI-*-◆-JF65GO	42873	K2
300	230	QB6-860-EI-*-◆-GO	R/F	~		Refer to Factory				Refer to Factory		
	460	QC6-420-EI-*-◆-GO	46609	J2	600	QC6-420-EI-*-◆-TB600GO	62109	K2	600	QC6-420-EI-*-◆-JF66GO	62508	K2
	575	QD6-300-EI-*-◆-GO	39768	J2	450	QD6-300-EI-*-◆-TB450GO	50521	K2	600	QD6-300-EI-*-◆-JF66GO	55670	K2
350	230	Refer to Factory				Refer to Factory				Refer to Factory		
	460	RC6-420-EI-*-◆-GO	46609	J2	700	RC6-420-EI-*-◆-TB700GO	62109	RF	800	RC6-420-EI-*-◆-JF67GO	62508	~
	575	RD6-420-EI-*-◆-GO	46609	J2	600	RD6-420-EI-*-◆-TB600GO	62109	K2	600	RD6-420-EI-*-◆-JF66GO	62508	K2
400	230	Refer to Factory				Refer to Factory				Refer to Factory		
	460	SC6-630-EI-*-◆-GO	R/F	~	800	SC6-630-EI-*-◆-TB800GO	R/F	~	800	SC6-630-EI-*-◆-JF67GO	R/F	~
	575	SD6-420-EI-*-◆-GO	46609	J2	600	SD6-420-EI-*-◆-TB600GO	62109	K2	600	SD6-420-EI-*-◆-JF66GO	62508	~
450	230	Refer to Factory				Refer to Factory				Refer to Factory		
	460	TC6-630-EI-*-◆-GO	R/F	~		Refer to Factory						
	575	TD6-630-EI-*-◆-GO	R/F	~	700	TD6-630-EI-*-◆-TB700GO	R/F	~				
500	460	UC6-630-EI-*-◆-GO	R/F	~		Refer to Factory						
	575	UD6-630-EI-*-◆-GO	R/F	~	800	UD6-630-EI-*-◆-TB800GO	R/F	~				
600	460	VC6-860-EI-*-◆-GO	R/F	~		Refer to Factory						
	575	VD6-860-EI-*-◆-GO	R/F	~		Refer to Factory						

Larger sizes available. Contact your Sprecher + Schuh representative.

NOTE: Catalog numbers, list Prices and enclosure dimensions reflect contactors with AC coils. For DC coils, select Coil Code from the DC Coil Code table on page C86 and follow the instructions for modifying catalog numbers and list Prices.

Ordering Instructions

Specify Catalog Number	
Replace (*) with Coil Code	See page C86
Replace (◆) with O/L Relay	See pages C87-C88
Factory Modifications available	See pages C89-C92

- ① Dimensional information starts on page C108.
- ② For Non-fusible Disconnect applications, replace the "F6" or "F2" characters with "U6". Example: CAATNC6-180-EI-*-◆-JF65GO becomes CAATNC6-180-EI-*-◆-JU65GO.
- ③ Fuse clips sized for use with "J"-type fuses up to 600A. Power fuses not supplied.
- ④ Other enclosures available. See Factory Modifications in this section.
- ⑤ A Red and Yellow Handle may be selected instead of the standard Gray and Black handle. Change "JF" to "LF" in catalog number.

Part Winding (Two Step)

Maximum Horsepower Three Phase				Type 1 (M1) General Purpose		D I M	M12 (M3 Ⓣ) Industrial Dusttight		D I M	Type 4 (M4) Watertight		D I M	Type 4X (F4) Watertight Corrosion Resist Non-metallic		D I M
200V	230V	460V	575V	Catalog No.	Price	Ⓣ	Catalog No.	Price	Ⓣ	Catalog No.	Price	Ⓣ	Catalog No.	Price	Ⓣ
				CAPWT			CAPWT			CAPWT			CAPWT		
10	15	30	30	7-30-*◆-GO	1586	M	7-30-*◆-DO	1670	M	7-30-*◆-WO	2046	M	7-30-*◆-CO	2046	U1
15	~	40	40	7-37-*◆-GO	1837	M	7-37-*◆-DO	1920	M	7-37-*◆-WO	2630	M	7-37-*◆-CO	2630	U1
20	20	50	50	7-43-*◆-GO	2129	M	7-43-*◆-DO	2213	M	7-43-*◆-WO	3006	M	7-43-*◆-CO	3006	U1
25	30	60	75	7-60-*◆-GO	2421	C	7-60-*◆-DO	2505	O	7-60-*◆-WO	3332	O	7-60-*◆-CO	3332	V1
30	40	75	100	7-72-*◆-GO	2588	C	7-72-*◆-DO	2672	O	7-72-*◆-WO	3590	O	7-72-*◆-CO	3590	V1
40	50	100	125	7-85-*◆-GO	3340	C	7-85-*◆-DO	3423	O	7-85-*◆-WO	4334	O	7-85-*◆-CO	4334	V1
50	50	100	150	7-97-*◆-GO	3520	C	7-97-*◆-DO	3603	O	7-97-*◆-WO	4514	O	7-97-*◆-CO	4514	V1
60	60	100	150	6-115-*◆-GO	5427	E2	6-115-*◆-DO	7097	R2	6-115-*◆-WO	8333	R2	6-115-*◆-CO	8333	W2
~	75	150	200	6-140-*◆-GO	7932	G	6-140-*◆-DO	9185	T	6-140-*◆-WO	12525	T	6-140-*◆-CO	12525	A2
75	~	200	~	6-180-EI-*◆-GO	9185	H	6-180-EI-*◆-DO	10020	H	6-180-EI-*◆-WO	13351	H	6-180-EI-*◆-CO	13351	Y1
~	100	~	300	6-210-EI-*◆-GO	14028	H	6-210-EI-*◆-DO	14863	H	6-210-EI-*◆-WO	17535	H	6-210-EI-*◆-CO	17535	Y1
100	150	300	350	6-250-EI-*◆-GO	15865	J	6-250-EI-*◆-DO	16700	J	6-250-EI-*◆-WO	18787	J	6-250-EI-*◆-CO	18787	Z1
150	200	350	450	6-300-EI-*◆-GO	19205	J	6-300-EI-*◆-DO	20100	J	6-300-EI-*◆-WO	20374	J	6-300-EI-*◆-CO	20374	Z1
200	250	500	600	6-420-EI-*◆-GO	25634	J	6-420-EI-*◆-DO	26469	J	6-420-EI-*◆-WO	27972	J	6-420-EI-*◆-CO	27972	Z1
300	400	750	750Ⓣ	6-630-EI-*◆-GO	R/F	~	6-630-EI-*◆-DO	R/F	~	6-630-EI-*◆-WO	R/F	~	6-630-EI-*◆-CO	R/F	~

Larger sizes available. Contact your Sprecher + Schuh representative.

NOTE: Catalog numbers, list Prices and enclosure dimensions reflect contactors with AC coils. For DC coils, select Coil Code from the DC Coil Code table on page C86 and follow the instructions for modifying catalog numbers and list Prices.

Combination Part Winding Starter Adder Chart Ⓣ

Circuit Breaker or Disconnect Switch	Enclosure Type	Price (Add to base Part Winding starter list price)								
		7-30	7-37 7-43	7-60 7-72 7-85 7-97	6-115 (-EI) 6-140 (-EI)	6-180(-EI) 6-210-EI 6-250-EI	6-300-EI 6-420-EI	6-630-EI 6-860-EI	5-1200	
Thermal Magnetic Circuit Breaker	M1	1152	1253	2291	4456	6559	Contact factory for pricing.			
	M4/F4,M12/3	1206	1347	3095	5099	7062				
Non Fusible Disconnect	M1	804	1018	1407	2519	5782				
	M4/F4,M12/3	858	1112	2265	2787	6285				
Fusible Disconnect - 30 Amp	M1	911	~	~	~	~				
	M4/F4,M12/3	998	~	~	~	~				
Fusible Disconnect - 60 Amp	M1	1052	1099	~	~	~				
	M4/F4,M12/3	~	1193	~	~	~				
Fusible Disconnect - 100 Amp	M1	~	1400	1702	~	~				
	M4/F4,M12/3	~	1849	2506	~	~				
Fusible Disconnect - 200 Amp	M1	~	~	2425	2760	~				
	M4/F4,M12/3	~	~	2613	3028	~				
Fusible Disconnect - 400 Amp	M1	~	~	~	3705	6492				
	M4/F4,M12/3	~	~	~	3973	6995				
Fusible Disconnect - 600 Amp	M1	~	~	~	~	7256				
	M4/F4,M12/3	~	~	~	~	8261				

Ordering Instructions

Specify Catalog Number	
Replace (*) with Coil Code	See page C86
Multiply Motor FLA by 50%,	
Replace (◆) with O/L Relay	See pages C87-C88
Factory Modifications available	See pages C89-C92

- Ⓣ Dimensional information starts on page C108.
- Ⓣ For M3 outdoor applications, replace "D" in catalog number with an "R". Price remains the same, dimensions may change. Example: CAPWT7-30-*◆-DO becomes CAPWT7-30-*◆-RO.
- Ⓣ Refer to pages C8-C9 for information on modifying standard Part Winding catalog number to combination type.

Wye Delta (Open Transition, 3-Contactor ④)

Maximum Horsepower Three Phase				Type 1 (M1) General Purpose		D I M	M12 (M3 ②) Industrial Dusttight		D I M	Type 4 (M4) Watertight		D I M	Type 4X (F4) Watertight Corrosion Resistant Non-metallic		D I M
200V	230V	460V	575V	Catalog No.	Price	①	Catalog No.	Price	①	Catalog No.	Price	①	Catalog No.	Price	①
				CAYT			CAYT			CAYT			CAYT		
10	15	30	30	7-30-*-◆-GO	1503	C	7-30-*-◆-DO	1545	O	7-30-*-◆-WO	2004	O	7-30-*-◆-CO	2004	V1
15	20	40	40	7-37-*-◆-GO	2213	C	7-37-*-◆-DO	2254	O	7-37-*-◆-WO	2714	O	7-37-*-◆-CO	2672	V1
20	25	50	50	7-43-*-◆-GO	2421	C	7-43-*-◆-DO	2463	O	7-43-*-◆-WO	2922	O	7-43-*-◆-CO	2922	V1
30	40	75	75	7-60-*-◆-GO	2831	D	7-60-*-◆-DO	3173	Q	7-60-*-◆-WO	3632	Q	7-60-*-◆-CO	3173	W1
40	50	100	100	7-72-*-◆-GO	3340	F	7-72-*-◆-DO	4091	T	7-72-*-◆-WO	4592	T	7-72-*-◆-CO	5845	X1
50	60	125	125	7-85-*-◆-GO	3674	F	7-85-*-◆-DO	4425	T	7-85-*-◆-WO	5010	T	7-85-*-◆-CO	6179	X1
60	~	~	150	6-115-*-◆-GO	4592	G	6-115-*-◆-DO	5177	T	6-115-*-◆-WO	6346	T	6-115-*-◆-CO	9443	A2
~	75	175	200	6-140-*-◆-GO	7348	G	6-140-*-◆-DO	7932	T	6-140-*-◆-WO	9101	T	6-140-*-◆-CO	11648	A2
75	100	200	250	6-180-*-◆-GO	9185	H	6-180-*-◆-DO	9686	H	6-180-*-◆-WO	11356	H	6-180-*-◆-CO	13485	Y1
100	125	250	300	6-210-EI-*-◆-GO	13610	I	6-210-EI-*-◆-DO	13777	I	6-210-EI-*-◆-WO	14679	J	6-210-EI-*-◆-CO	16883	Z1
125	175	350	450	6-250-EI-*-◆-GO	15447	J	6-250-EI-*-◆-DO	15614	J	6-250-EI-*-◆-WO	15865	J	6-250-EI-*-◆-CO	17685	Z1
175	200	450	500	6-300-EI-*-◆-GO	16616	J	6-300-EI-*-◆-DO	16783	J	6-300-EI-*-◆-WO	18256	J	6-300-EI-*-◆-CO	18787	Z1
250	250	600	650	6-420-EI-*-◆-GO	22545	J	6-420-EI-*-◆-DO	22712	J	6-420-EI-*-◆-WO	26836	J	6-420-EI-*-◆-CO	24933	Z1
350	450	800	800	6-630-EI-*-◆-GO	R/F	~	6-630-EI-*-◆-DO	R/F	~	6-630-EI-*-◆-WO	R/F	~	6-630-EI-*-◆-CO	R/F	~

Larger sizes available.
Contact your Sprecher + Schuh representative.

NOTE: Catalog numbers, list Prices and enclosure dimensions reflect contactors with AC coils. For DC coils, select Coil Code from the DC Coil Code table on page C86 and follow the instructions for modifying catalog numbers and list Prices.

Combination Wye Delta Starter Adder Chart ③

Circuit Breaker or Disconnect Switch	Enclosure Type	Price (Add to base Part Winding starter list price)							
		7-30	7-37 7-43	7-60 7-72 7-85	6-115 (-EI) 6-140 (-EI)	6-180(-EI) 6-210-EI 6-250-EI	6-300-EI 6-420-EI	6-630-EI 6-860-EI	5-1200
Thermal Magnetic Circuit Breaker	M1	1152	1253	2291	4456	6559	9092	Contact factory for pricing.	
	M4/F4,M12/3	1206	1347	3095	5099	7062	9594		
Non Fusible Disconnect	M1	804	1018	1407	2519	5782	6117		
	M4/F4,M12/3	858	1112	2265	2787	6285	6620		
Fusible Disconnect - 30 Amp	M1	858	~	~	~	~	~		
	M4/F4,M12/3	911	~	~	~	~	~		
Fusible Disconnect - 60 Amp	M1	1099	1099	~	~	~	~		
	M4/F4,M12/3	1193	1193	~	~	~	~		
Fusible Disconnect - 100 Amp	M1	~	1702	1702	~	~	~		
	M4/F4,M12/3	~	2506	2506	~	~	~		
Fusible Disconnect - 200 Amp	M1	~	~	2760	2760	~	~		
	M4/F4,M12/3	~	~	3028	3028	~	~		
Fusible Disconnect - 400 Amp	M1	~	~	~	6492	6492	~		
	M4/F4,M12/3	~	~	~	6995	6995	~		
Fusible Disconnect - 600 Amp	M1	~	~	~	~	6827	6827		
	M4/F4,M12/3	~	~	~	~	7162	7162		

Ordering Instructions

Specify Catalog Number	
Replace (*) with Coil Code	See page C86
Multiply Motor FLA by 58%,	
Replace (◆) with O/L Relay	See pages C87-C88
Factory Modifications available	See pages C89-C92

- ① Dimensional information starts on page C108.
- ② For M3 outdoor applications, replace "D" in catalog number with an "R". Price remains the same, dimensions may change. Example: CAYT7-30-*-◆-DO becomes CAYT7-30-*-◆-RO.
- ③ Refer to pages C8-C9 for information on modifying standard Wye Delta catalog number to combination type.
- ④ For closed transition Wye Delta applications, please contact factory.