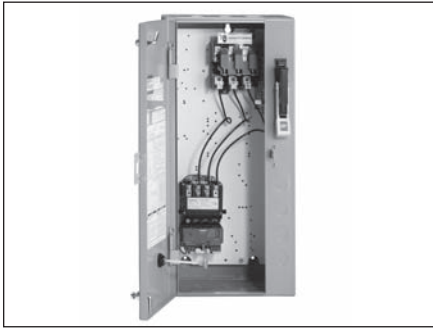


Features and Benefits

General



Combination Starter Features

Combination starters include the following features:

- Manufactured with Cold Forming "TOX" Process
- Solid State Overloads Standard on Sizes 5-8
- Easy to Install
- Wide Range of Enclosure Types Available
- Heavy Duty Quarter Turns
- 100kA Short Circuit Current Rating when Protected with Class R Fuses to 600V or MCP to 480V
- Visible Blade Disconnect
- Industrial Type Disconnect Handle
- UL listed file #E185287 (class 17, 18, 25, 26 & 32)
- CSA certified file #LR 6535 (class 17, 18, 25, 26 & 32)

Application

A combination starter meets National Electrical Code requirements for:

1. A means of providing short circuit motor protection with fused or breaker disconnection of line voltage.
2. A means of safeguarding personnel from contact with live parts and from accidental starting of machinery by disconnecting the motor and the controller.
3. A motor controller with overload protection.

Prewired combination starters eliminate the cost of wiring between separate disconnect and starter. Factory testing assures field performance. Combination starters also provide a more compact and attractive installation than separate units.

Enclosure Types

Combination starters are available in NEMA 1, 12/3/3R/4 (painted), 4/4X

(stainless), 4X fiberglass and 7 & 9 enclosures. Enclosures protect personnel from contact with live parts and depending upon the construction, protect the control in varying degrees from physical damage and harmful atmospheres. All enclosures are supplied with corrosion resistant finishes.

Heavy Duty Disconnect Switches

The disconnect switch that goes the distance in durability, performance and reliability has the following advantages:

- Visible blades for the highest level of safety
- Double break switching action to reduce arcing, increase lifetime and eliminate the "electric hinge"
- More rugged positive action switch
- Oversized lugs are standard
- Line side shield to help guard personnel from contact with live parts
- Higher horsepower rating for design E high efficiency motors
- UL listed for IlSCO, Burndy and T&B crimp type lugs
- The 200A switch accepts up to 300 MCM versus 250 MCM wire size

Its rugged construction - with a high fault withstand rating of 100kA at 600 VAC when fused with class R rated fuses - meets the most stringent industry standards set forth by the automotive, petro-chemical, and pulp and paper industries. UL recognized and CSA certified, our disconnect switches are available either non-fusible or fusible with class R and class J fuse clips.



Enclosure Kits for NEMA Combination Starters Description

You can assemble a non-stocked combination starter per your unanticipated needs in minutes. Say, for example, your customer needs a fusible combination starter that you don't have in stock. You need in now, but don't sweat it.

Simply start with the enclosure kit which has the handle preinstalled. You install the required starter and fusible disconnect, connect the power wire and you are finished. Within minutes, you have the required combination starter in your hands. No more waiting on the factory. You need it, you got it!

What Is In It For You!

- **Reduce Lead-time** - What used to take days to get now takes minutes
- **Reduced Inventory** - Instead of stocking scores of various combination starters, simply stock a few enclosure kits, disconnect kits, circuit breaker kits and open starters. With these basic "building blocks" you virtually have hundreds of products on-hand
- **Quality** - The same high level of quality you have been accustomed to with our products will also be found in these new enclosure kits
- **UL Listed** - By correctly following the instructions included with the kits, the product you build is UL/CSA Listed

Refer to page 9/115 for more details.

Siemens Type ETI Circuit Breaker

The ETI circuit breaker is a device designed specifically for application in motor circuits. The ETI is a magnetic only protective device designed to provide protection against short circuit current.

The instantaneous-only type ETI circuit breaker employs adjustable magnetic trip settings to allow broader application ranges and a higher degree of motor short circuit protection.




Heavy Duty Starters

These combination starters use the same starters described in the heavy duty starter section of this catalog.

Non-Fusible with Solid State Overload, Class 17

Selection

	Ordering Information <ul style="list-style-type: none"> ▶ Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order. ▶ For Fusible Styles see page 9/20. ▶ Field Modification Kits see page 9/104. ▶ Factory Modifications see page 9/119. ▶ Dimensions see page 9/159. ▶ Wiring Diagrams see page 9/174. ▶ Replacement Parts see page 9/131. 	Coil Table <table border="1"> <thead> <tr> <th>60Hz Voltage</th> <th>Letter</th> </tr> </thead> <tbody> <tr><td>24</td><td>J</td></tr> <tr><td>120</td><td>F</td></tr> <tr><td>110–120/220–240[ⓐ]</td><td>A</td></tr> <tr><td>200–208</td><td>D</td></tr> <tr><td>220–240</td><td>G</td></tr> <tr><td>277</td><td>L</td></tr> <tr><td>220–240/440–480[ⓐ]</td><td>C</td></tr> <tr><td>440–480</td><td>H</td></tr> <tr><td>575–600</td><td>E</td></tr> </tbody> </table> <p>For other voltages and frequencies, see Factory Modifications page 9/119.</p>	60Hz Voltage	Letter	24	J	120	F	110–120/220–240 [ⓐ]	A	200–208	D	220–240	G	277	L	220–240/440–480 [ⓐ]	C	440–480	H	575–600	E
	60Hz Voltage	Letter																				
24	J																					
120	F																					
110–120/220–240 [ⓐ]	A																					
200–208	D																					
220–240	G																					
277	L																					
220–240/440–480 [ⓐ]	C																					
440–480	H																					
575–600	E																					

Standard Width Enclosure, 3 Phase, 3-Pole

Max Hp				NEMA Size	Half Size	Overload		Disc. Amp Range	Enclosure							
200 Volts	230 Volts	460 Volts	575 Volts			Amp Range	Frame Size		NEMA 1 General Purpose	NEMA 4/4X Stainless [ⓐ] Watertight, Dust-tight, Corrosion Resistant ⓐ = W for 304 Stainless Steel ⓑ = X for 316 Stainless Steel	NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant	NEMA 12, NEMA 3/3R [ⓐ] , NEMA 4 Painted (thru size 4) Industrial Use Weatherproof Watertight, Dust-tight				
									Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
1/8	1/8	1/8	1/8	0	—	0.25–1	A	30	17CUA92B*		17CUA92@*		17CUA92F*		17CUA92N*	
1/4	3/8	1 1/2	2	0	—	0.75–3.4	A	30	17CUB92B*		17CUB92@*		17CUB92F*		17CUB92N*	
2	2	5	5	0	—	3–12	A1	30	17CUC92B*		17CUC92@*		17CUC92F*		17CUC92N*	
3	3	—	—	0	—	5.5–22	A1	30	17CUD92B*		17CUD92@*		17CUD92F*		17CUD92N*	
1/2	1/2	1 1/2	2	1	—	0.25–1	A	30	17DUA92B*		17DUA92@*		17DUA92F*		17DUA92N*	
1/2	3/4	1 1/2	2	1	—	0.75–3.4	A	30	17DUB92B*		17DUB92@*		17DUB92F*		17DUB92N*	
2	2	5	5	1	—	3–12	A1	30	17DUC92B*		17DUC92@*		17DUC92F*		17DUC92N*	
3	3	10	10	1	—	5.5–22	A1	30	17DUD92B*		17DUD92@*		17DUD92F*		17DUD92N*	
7 1/2	7 1/2	—	—	1	—	10–40	A1	60	17DUE92B*		17DUE92@*		17DUE92F*		17DUE92N*	
10	10	15	15	—	1 1/2	10–40	A1	60	17EUE92B*		17EUE92@*		17EUE92F*		17EUE92N*	
10	15	25	25	2	—	13–52	B	60	17FUF92B*		17FUF92@*		17FUF92F*		17FUF92N*	
15	20	30	30	—	2 1/2	25–100	B	100 [ⓐ]	17GUG92B*		17GUG92@*		17GUG92F*		17GUG92N*	
20 [ⓐ]	25 [ⓐ]	50	50	3	—	25–100	B	100	17HUG92B*		17HUG92@*		17HUG92F*		17HUG92N*	
30	40	75	75	—	3 1/2	50–200	B	200	17IUH92B*		17IUH92@*		17IUH92F*		17IUH92N*	
40	50	100	100	4	—	50–200	B	200	17JUH92B*		17JUH92@*		17JUH92F*		17JUH92N*	
75	100	200	200	5	—	55–250	—	400 [ⓐ]	17LPU92B*		17LPU92E* [ⓑ]		—	—	17LPU92N*	
150	200	400	400	6	—	160–630	—	600	17MPX92B*		17MPX92E* [ⓑ]		—	—	17MPX92N*	
—	300	600	600	7 [ⓐ]	—	400–1220	A1+CT	1200	17NUN92B*		—	—	—	—	17NUN92N*	
—	450	900	900	8 [ⓐ]	—	400–1220	A1+CT	1600	17PUN92B*		—	—	—	—	17PUN92N*	

Note: All starter sizes carry one maximum Hp rating (per the National Electric Code).


- ⓐ Dual voltage coils not available in starter sizes 5–8.
- ⓑ For conduit hubs and conversion instructions, see page 9/110.
- ⓒ For 60A disconnect, order fusible cat. no. page 9/20.

- ⓓ For 25 HP and 200A disconnect, order fusible cat. no. page 9/20.
- ⓔ For 30HP and 200A disconnect, order fusible cat. no. page 9/20.
- ⓕ For 600A disconnect, order fusible cat. no. page 9/20.
- ⓖ Enclosure is NEMA Type 4 (painted steel).

- ⓗ F coil 100–250V AC 50/60Hz, or DC, H coil 150–500V AC 50/60Hz, or DC
- ⓙ Only available F coil 100–250V AC 50/60Hz, or DC

Non-Fusible with Solid State Overload, Class 17

Selection

	Ordering Information <ul style="list-style-type: none"> ▶ Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order. ▶ For Fusible Styles see page 9/21. ▶ Field Modification Kits see page 9/104. ▶ Factory Modifications see page 9/119. ▶ Dimensions see page 9/159. ▶ Wiring Diagrams see page 9/174. ▶ Replacement Parts see page 9/131. 	Coil Table <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">60Hz Voltage</th> <th style="text-align: left;">Letter</th> </tr> </thead> <tbody> <tr><td>24</td><td>J</td></tr> <tr><td>120</td><td>F</td></tr> <tr><td>110–120/220–240[ⓐ]</td><td>A</td></tr> <tr><td>200–208</td><td>D</td></tr> <tr><td>220–240</td><td>G</td></tr> <tr><td>277</td><td>L</td></tr> <tr><td>220–240/440–480[ⓐ]</td><td>C</td></tr> <tr><td>440–480</td><td>H</td></tr> <tr><td>575–600</td><td>E</td></tr> </tbody> </table> <p>For other voltages and frequencies, see Factory Modifications page 9/119.</p>	60Hz Voltage	Letter	24	J	120	F	110–120/220–240 [ⓐ]	A	200–208	D	220–240	G	277	L	220–240/440–480 [ⓐ]	C	440–480	H	575–600	E
	60Hz Voltage	Letter																				
24	J																					
120	F																					
110–120/220–240 [ⓐ]	A																					
200–208	D																					
220–240	G																					
277	L																					
220–240/440–480 [ⓐ]	C																					
440–480	H																					
575–600	E																					

Extra Wide Enclosure, 3-Phase, 3-Pole

Hp				NEMA Size	Half Size	Overload		Disc. Amp Range	Enclosure					
200 Volts	230 Volts	460 Volts	575 Volts			Amp Range	Frame Size		NEMA 1 General Purpose		NEMA 4/4X Stainless [ⓐ] Watertight, Dust-tight, Corrosion Resistant ⓐ = W for 304 Stainless Steel ⓑ = X for 316 Stainless Steel		NEMA 12, NEMA 3/3R [ⓑ] , NEMA 4 Painted Industrial Use Weatherproof Watertight, Dust-tight	
									Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
1/8	1/8	1/8	1/8	0	—	0.25–1	A	30	17CUA82B*		17CUA82@*		17CUA82N*	
1/4	1/4	1/4	1/4	0	—	0.75–3.4	A	30	17CUB82B*		17CUB82@*		17CUB82N*	
2	2	5	5	0	—	3–12	A1	30	17CUC82B*		17CUC82@*		17CUC82N*	
3	3	—	—	0	—	5.5–22	A1	30	17CUD82B*		17CUD82@*		17CUD82N*	
1/2	1/2	1/2	1/2	1	—	0.25–1	A	30	17DUA82B*		17DUA82@*		17DUA82N*	
1/2	3/4	1 1/2	2	1	—	0.75–3.4	A	30	17DUB82B*		17DUB82@*		17DUB82N*	
2	2	5	5	1	—	3–12	A1	30	17DUC82B*		17DUC82@*		17DUC82N*	
3	3	10	10	1	—	5.5–22	A1	30	17DUD82B*		17DUD82@*		17DUD82N*	
7 1/2	7 1/2	—	—	1	—	10–40	A1	60	17DUE82B*		17DUE82@*		17DUE82N*	
10	10	15	15	—	1 1/4	10–40	A1	60	17EUE82B*		17EUE82@*		17EUE82N*	
10	15	25	25	2	—	13–52	B	60	17FUF82B*		17FUF82@*		17FUF82N*	
15	20	30	30	—	2 1/4	25–100	B	100 [ⓐ]	17GUG82B*		17GUG82@*		17GUG82N*	
20 [ⓐ]	25 [ⓐ]	50	50	3	—	25–100	B	100	17HUG82B*		17HUG82@*		17HUG82N*	

Note: All starter sizes carry one maximum Hp rating (per the National Electric Code).

[ⓐ] For conduit hubs and conversion instructions, see page 9/110.


[ⓑ] For 60A disconnect, order fusible cat. no. page 9/21.

[ⓒ] For 25 HP and 200A disconnect, order fusible cat. no. page 9/21.

[ⓓ] For 30HP and 200A disconnect, order fusible cat. no. page 9/21.

Non-Fusible with Ambient Compensated Bimetal Overload, Class 17

Selection

	Ordering Information <ul style="list-style-type: none"> ▶ Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order. ▶ Heater elements see page 9/124. (3 required) ▶ Field Modification Kits see page 9/104. ▶ Factory Modifications see page 9/119. ▶ Dimensions see page 9/159. ▶ Wiring Diagrams see page 9/174. ▶ Replacement Parts see page 9/131. ▶ For NO/NC SPDT contact on overload relay, replace "81" with "91". "81" indicates one NC contact. 	Coil Table <table border="1"> <thead> <tr> <th>60Hz Voltage</th> <th>Letter</th> </tr> </thead> <tbody> <tr><td>24</td><td>J</td></tr> <tr><td>120</td><td>F</td></tr> <tr><td>110–120/220–240^①</td><td>A</td></tr> <tr><td>200–208</td><td>D</td></tr> <tr><td>220–240</td><td>G</td></tr> <tr><td>277</td><td>L</td></tr> <tr><td>220–240/440–480^①</td><td>C</td></tr> <tr><td>440–480</td><td>H</td></tr> <tr><td>575–600</td><td>E</td></tr> </tbody> </table> <p>For other voltages and frequencies, see Factory Modifications page 9/119.</p>	60Hz Voltage	Letter	24	J	120	F	110–120/220–240 ^①	A	200–208	D	220–240	G	277	L	220–240/440–480 ^①	C	440–480	H	575–600	E
	60Hz Voltage	Letter																				
24	J																					
120	F																					
110–120/220–240 ^①	A																					
200–208	D																					
220–240	G																					
277	L																					
220–240/440–480 ^①	C																					
440–480	H																					
575–600	E																					

Standard Width Enclosure, 3-Phase, 3-Pole

Max Hp				NEMA Size	Half Size	Disc Amp Rating	Enclosure							
200 Volts	230 Volts	460 Volts	575 Volts				NEMA 1 General Purpose		NEMA 4/4X Stainless ^① Watertight, Dust-tight Corrosion Resistant @ = W for 304 Stainless Steel @ = X for 316 Stainless Steel		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant Weatherproof		NEMA 12, NEMA 3/3R, ^① NEMA 4 Painted Industrial Use Watertight, Dust-tight	
Catalog Number	List Price \$	Catalog Number	List Price \$				Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$		
3	3	5	5	0	—	30	17CP92B*81		17CP92@*81		17CP92F*81		17CP92N*81	
7½ ^③	7½ ^③	10	10	1	—	30	17DP92B*81		17DP92@*81		17DP92F*81		17DP92N*81	
10	10	15	15	—	1¾	60	17EP92B*81		17EP92@*81		17EP92F*81		17EP92N*81	
10	15	25	25	2	—	60	17FP92B*81		17FP92@*81		17FP92F*81		17FP92N*81	
15	20	30	30	—	2½	100	17GP92B*81		17GP92@*81		17GP92F*81		17GP92N*81	
25 ^②	30 ^②	50	50	3	—	100	17HP92B*81		17HP92@*81		17HP92F*81		17HP92N*81	
30	40	75	75	—	3½	200	17IP92B*81		17IP92@*81		17IP92F*81		17IP92N*81	
40	50	100	100	4	—	200	17JP92B*81		17JP92@*81		17JP92F*81		17JP92N*81	

Extra Wide Enclosure, 3-Phase, 3-Pole

Max Hp				NEMA Size	Half Size	Disc Amp Rating	Enclosure							
200 Volts	230 Volts	460 Volts	575 Volts				NEMA 1 General Purpose		NEMA 4/4X Stainless ^① Watertight, Dust-tight Corrosion Resistant @ = W for 304 Stainless Steel @ = X for 316 Stainless Steel		NEMA 12, NEMA 3/3R, ^① NEMA 4 Painted Industrial Use Weatherproof Watertight, Dust-tight			
Catalog Number	List Price \$	Catalog Number	List Price \$				Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$		
3	3	5	5	0	—	30	17CP82B*81		17CP82@*81		17CP82F*81		17CP82N*81	
7½ ^③	7½ ^③	10	10	1	—	30	17DP82B*81		17DP82@*81		17DP82F*81		17DP82N*81	
10	10	15	15	—	1¾	60	17EP82B*81		17EP82@*81		17EP82F*81		17EP82N*81	
10	15	25	25	2	—	60	17FP82B*81		17FP82@*81		17FP82F*81		17FP82N*81	
15	20	30	30	—	2½	100	17GP82B*81		17GP82@*81		17GP82F*81		17GP82N*81	
25 ^②	30 ^②	50	50	3	—	100	17HP82B*81		17HP82@*81		17HP82F*81		17HP82N*81	

Standard Width Enclosure, Single Phase, (Catalog Numbers are three phase, wire for single phase in the field)

Max Hp		NEMA Size	Half Size	Disc Amp Rating	Enclosure							
115 Volts	208/230 Volts				NEMA 1 General Purpose		NEMA 4/4X Stainless ^① Watertight, Dust-tight Corrosion Resistant @ = W for 304 Stainless Steel @ = X for 316 Stainless Steel		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 12, NEMA 3/3R, ^① NEMA 4 Painted Industrial Use Weatherproof Watertight, Dust-tight	
Catalog Number	List Price \$				Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
1	2	0	—	30	17CP92B*81		17CP92@*81		17CP92F*81		17CP92N*81	
2	3	1	—	30	17DP92B*81		17DP92@*81		17DP92F*81		17DP92N*81	
3	5	1P	—	60	17EP92B*81		17EP92@*81		17EP92F*81		17EP92N*81	
3	7½	2	—	60	17FP92B*81		17FP92@*81		17FP92F*81		17FP92N*81	
5	10	—	2½	100	17GP92B*81		17GP92@*81		17GP92F*81		17GP92N*81	

Note: Hp's shown above are based on the overload amp range for the FLA's (per the National Electric Code) of typical industrial motors. All starter sizes carry one maximum Hp rating.

① For conduit hubs and conversion instructions, see page 9/110.

② For 60A disc, order fusible cat. no. page 9/22.
③ For 200A disc, order fusible cat. no. page 9/22.

Fusible with Solid State Overload, Class 17

Selection



Ordering Information

- ▶ Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order.
- ▶ Field Modification Kits see page 9/104.
- ▶ Factory Modifications see page 9/119.
- ▶ Dimensions see page 9/159.
- ▶ Wiring Diagrams see page 9/174.
- ▶ Replacement Parts see page 9/131.

Coil Table

60Hz Voltage	Letter
24	J
120	F
110–120/220–240 [Ⓣ]	A
200–208	D
220–240	G
277	L
220–240/440–480 [Ⓣ]	C
440–480	H
575–600	E

For other voltages and frequencies, see Factory Modifications page 9/119.

Standard Width Enclosure, 3-Phase, 3-Pole[Ⓢ]

Max Hp				NEMA Size	Half Size	Overload		Disc. Amp Range	Fuse Clip Amp/Volts	Enclosure							
200 Volts	230 Volts	460 Volts	575 Volts			Amp Range	Frame Size			NEMA 1 General Purpose	NEMA 4/4X Stainless [Ⓣ] Watertight, Dust-tight, Corrosion Resistant Ⓣ = W for 304 Stainless Steel Ⓣ = X for 316 Stainless Steel	NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant	NEMA 12, NEMA 3/3R [Ⓣ] , NEMA 4 Painted (thru size 4) Industrial Use Weatherproof Watertight, Dust-tight				
										Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
1/2	1/2	—	—	0	—	0.25–1	A	30	30A/250V	17CUA92B*10		17CUA92@*10		17CUA92F*10		17CUA92N*10	
—	—	1/2	1/2	0	—	0.25–1	A	30	30A/600V	17CUA92B*11		17CUA92@*11		17CUA92F*11		17CUA92N*11	
1/2	3/4	—	—	0	—	0.75–3.4	A	30	30A/250V	17CUB92B*10		17CUB92@*10		17CUB92F*10		17CUB92N*10	
—	—	1 1/2	2	0	—	0.75–3.4	A	30	30A/600V	17CUB92B*11		17CUB92@*11		17CUB92F*11		17CUB92N*11	
2	2	—	—	0	—	3–12	A1	30	30A/250V	17CUC92B*10		17CUC92@*10		17CUC92F*10		17CUC92N*10	
—	—	5	5	0	—	3–12	A1	30	30A/600V	17CUC92B*11		17CUC92@*11		17CUC92F*11		17CUC92N*11	
3	3	—	—	0	—	5.5–22	A1	30	30A/250V	17CUD92B*10		17CUD92@*10		17CUD92F*10		17CUD92N*10	
1/2	1/2	—	—	1	—	0.25–1	A	30	30A/250V	17DUA92B*10		17DUA92@*10		17DUA92F*10		17DUA92N*10	
—	—	1/2	1/2	1	—	0.25–1	A	30	30A/600V	17DUA92B*11		17DUA92@*11		17DUA92F*11		17DUA92N*11	
1/2	3/4	—	—	1	—	0.75–3.4	A	30	30A/250V	17DUB92B*10		17DUB92@*10		17DUB92F*10		17DUB92N*10	
—	—	1 1/2	2	1	—	0.75–3.4	A	30	30A/600V	17DUB92B*11		17DUB92@*11		17DUB92F*11		17DUB92N*11	
2	2	—	—	1	—	3–12	A1	30	30A/250V	17DUC92B*10		17DUC92@*10		17DUC92F*10		17DUC92N*10	
—	—	5	5	1	—	3–12	A1	30	30A/600V	17DUC92B*11		17DUC92@*11		17DUC92F*11		17DUC92N*11	
3	3	—	—	1	—	5.5–22	A1	30	30A/250V	17DUD92B*10		17DUD92@*10		17DUD92F*10		17DUD92N*10	
—	—	10	10	1	—	5.5–22	A1	30	30A/600V	17DUD92B*11		17DUD92@*11		17DUD92F*11		17DUD92N*11	
7 1/2	7 1/2	—	—	1	—	10–40	A1	30	30A/250V	17DUE92B*10		17DUE92@*10		17DUE92F*10		17DUE92N*10	
7 1/2	7 1/2	—	—	1	—	10–40	A1	60	60A/250V	17DUE92B*12		17DUE92@*12		17DUE92F*12		17DUE92N*12	
—	—	15	15	—	1 1/2	10–40	A1	60	60A/600V	17EUE92B*13		17EUE92@*13		17EUE92F*13		17EUE92N*13	
10	10	—	—	—	1 1/2	10–40	A1	60	60A/250V	17EUE92B*12		17EUE92@*12		17EUE92F*12		17EUE92N*12	
10	15	—	—	2	—	13–52	B	60	60A/250V	17FUF92B*12		17FUF92@*12		17FUF92F*12		17FUF92N*12	
—	—	25	25	2	—	13–52	B	60	60A/600V	17FUF92B*13		17FUF92@*13		17FUF92F*13		17FUF92N*13	
—	—	—	30	—	2 1/2	25–100	B	60	60A/600V	17GUG92B*13		17GUG92@*13		17GUG92F*13		17GUG92N*13	
—	—	30	—	—	2 1/2	25–100	B	100	100A/600V	17GUG92B*15		17GUG92@*15		17GUG92F*15		17GUG92N*15	
15	20	—	—	—	2 1/2	25–100	B	100	100A/250V	17GUG92B*14		17GUG92@*14		17GUG92F*14		17GUG92N*14	
20	25	—	—	3	—	25–100	B	100	100A/250V	17HUG92B*14		17HUG92@*14		17HUG92F*14		17HUG92N*14	
—	—	50	50	3	—	25–100	B	100	100A/600V	17HUG92B*15		17HUG92@*15		17HUG92F*15		17HUG92N*15	
25	30	—	—	3	—	25–100	B	200	200A/250V	17HUG92B*16		17HUG92@*16		17HUG92F*16		17HUG92N*16	
30	40	—	—	—	3 1/2	50–200	B	200	200A/250V	17IUH92B*16		17IUH92@*16		17IUH92F*16		17IUH92N*16	
—	—	75	75	—	3 1/2	50–200	B	200	200A/600V	17IUH92B*17		17IUH92@*17		17IUH92F*17		17IUH92N*17	
40	50	—	—	4	—	50–200	B	200	200A/250V	17JUH92B*16		17JUH92@*16		17JUH92F*16		17JUH92N*16	
—	—	100	100	4	—	50–200	B	200	200A/600V	17JUH92B*17		17JUH92@*17		17JUH92F*17		17JUH92N*17	
75	100	—	—	5	—	55–250	—	400	400A/250V	17LPU92B*18		17LPU92@*18		—	—	17LPU92N*18	
—	100	—	—	5	—	55–250	—	600	600A/250V [Ⓣ]	17LPU92B*20		17LPU92@*20		—	—	17LPU92N*20	
—	—	125	5	—	—	55–250	—	200	200A/600V	17LPU92B*17		17LPU92@*17		—	—	17LPU92N*17	
—	—	200	5	—	—	55–250	—	400	400A/600V	17LPU92B*19		17LPU92@*19		—	—	17LPU92N*19	
—	—	200	5	—	—	55–250	—	600	600A/600V [Ⓣ]	17LPU92B*21		17LPU92@*21		—	—	17LPU92N*21	
150	200	—	—	6	—	160–630	—	600	600A/250V	17MPX92B*20		17MPX92@*20		—	—	17MPX92N*20	
—	—	400	400	6	—	160–630	—	600	600A/600V	17MPX92B*21		17MPX92@*21		—	—	17MPX92N*21	
—	—	400	400	6	—	160–630	—	800	800A/600V	17MPX92B*23		17MPX92@*23		—	—	17MPX92N*23	
—	—	600	600	7 [Ⓣ]	—	400–1220	A1+CT	1200	1200A/600V	17NUN92B*24		—	—	—	—	17NUN92N*24	
—	—	900	900	8 [Ⓣ]	—	400–1220	A1+CT	1600	1600A/600V	17PUN92B*25		—	—	—	—	17PUN92N*25	

Note: All starter sizes carry one maximum Hp rating (per the National Electric Code).


- Ⓣ Dual voltage coils not available in starter sizes 5–8.
- Ⓣ For conduit hubs and conversion instructions, see page 9/110.

- Ⓣ Use Class J fuses only.
- Ⓣ Enclosure is NEMA Type 4 (painted steel).
- Ⓣ Single phase wiring page 9/173.
- Ⓣ F coil 100–250V AC 50/60Hz, or DC, H coil 150–500V AC 50/60Hz, or DC

Ⓣ Only available
F coil 100–250V AC 50/60Hz, or DC

Fusible with Solid State Overload, Class 17

Selection

	Ordering Information	Coil Table																			
	<ul style="list-style-type: none"> ▶ Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order. ▶ Field Modification Kits see page 9/104. ▶ Factory Modifications see page 9/119. ▶ Dimensions see page 9/159. ▶ Wiring Diagrams see page 9/174. ▶ Replacement Parts see page 9/131. 	<table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">60Hz Voltage</th> <th style="text-align: left;">Letter</th> </tr> </thead> <tbody> <tr><td>24</td><td>J</td></tr> <tr><td>120</td><td>F</td></tr> <tr><td>110–120/220–240</td><td>A</td></tr> <tr><td>200–208</td><td>D</td></tr> <tr><td>220–240</td><td>G</td></tr> <tr><td>277</td><td>L</td></tr> <tr><td>220–240/440–480</td><td>C</td></tr> <tr><td>440–480</td><td>H</td></tr> <tr><td>575–600</td><td>E</td></tr> </tbody> </table> <p>For other voltages and frequencies, see Factory Modifications page 9/119.</p>	60Hz Voltage	Letter	24	J	120	F	110–120/220–240	A	200–208	D	220–240	G	277	L	220–240/440–480	C	440–480	H	575–600
60Hz Voltage	Letter																				
24	J																				
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277	L																				
220–240/440–480	C																				
440–480	H																				
575–600	E																				

Extra Wide Enclosure, 3-Phase, 3-Pole

Max Hp				NEMA Size	Half Size	Overload		Disc. Amp Range	Fuse Clip Amp/Volts	Enclosure					
200 Volts	230 Volts	460 Volts	575 Volts			Amp Range	Frame Size			NEMA 1 General Purpose	NEMA 4/4X Stainless [Ⓞ] Watertight, Dust-tight, Ⓜ = W for 304 Stainless Steel Ⓧ = X for 316 Stainless Steel	NEMA 12, NEMA 3/3R [Ⓞ] , NEMA 4 Painted Industrial Use Weatherproof Watertight, Dust-tight	Catalog Number	List Price \$	Catalog Number
1/2	1/2	—	—	0	—	0.25–1	A	30	30A/250V	17CUA82B*10		17CUA82@*10		17CUA82N*10	
—	—	1/2	1/2	0	—	0.25–1	A	30	30A/600V	17CUA82B*11		17CUA82@*11		17CUA82N*11	
1/2	3/4	—	—	0	—	0.75–3.4	A	30	30A/250V	17CUB82B*10		17CUB82@*10		17CUB82N*10	
—	—	1 1/2	2	0	—	0.75–3.4	A	30	30A/600V	17CUB82B*11		17CUB82@*11		17CUB82N*11	
2	2	—	—	0	—	3–12	A1	30	30A/250V	17CUC82B*10		17CUC82@*10		17CUC82N*10	
—	—	5	5	0	—	3–12	A1	30	30A/600V	17CUC82B*11		17CUC82@*11		17CUC82N*11	
3	3	—	—	0	—	5.5–22	A1	30	30A/250V	17CUD82B*10		17CUD82@*10		17CUD82N*10	
1/2	1/2	—	—	1	—	0.25–1	A	30	30A/250V	17DUA82B*10		17DUA82@*10		17DUA82N*10	
—	—	1/2	1/2	1	—	0.25–1	A	30	30A/600V	17DUA82B*11		17DUA82@*11		17DUA82N*11	
1/2	3/4	—	—	1	—	0.75–3.4	A	30	30A/250V	17DUB82B*10		17DUB82@*10		17DUB82N*10	
—	—	1 1/2	2	1	—	0.75–3.4	A	30	30A/600V	17DUB82B*11		17DUB82@*11		17DUB82N*11	
2	2	—	—	1	—	3–12	A1	30	30A/250V	17DUC82B*10		17DUC82@*10		17DUC82N*10	
—	—	5	5	1	—	3–12	A1	30	30A/600V	17DUC82B*11		17DUC82@*11		17DUC82N*11	
3	3	—	—	1	—	5.5–22	A1	30	30A/250V	17DUD82B*10		17DUD82@*10		17DUD82N*10	
—	—	10	10	1	—	5.5–22	A1	30	30A/600V	17DUD82B*11		17DUD82@*11		17DUD82N*11	
5	5	—	—	1	—	10–40	A1	30	30A/250V	17DUE82B*10		17DUE82@*10		17DUE82N*10	
7 1/2	7 1/2	—	—	1	—	10–40	A1	60	60A/250V	17DUE82B*12		17DUE82@*12		17DUE82N*12	
—	—	15	15	—	1 1/2	10–40	A1	60	60A/600V	17EUE82B*13		17EUE82@*13		17EUE82N*13	
10	10	—	—	—	1 1/2	10–40	A1	60	60A/250V	17EUE82B*12		17EUE82@*12		17EUE82N*12	
10	15	—	—	2	—	13–52	B	60	60A/250V	17FUF82B*12		17FUF82@*12		17FUF82N*12	
—	—	25	25	2	—	13–52	B	60	60A/600V	17FUF82B*13		17FUF82@*13		17FUF82N*13	
—	—	—	30	—	2 1/2	25–100	B	60	60A/600V	17GUG82B*13		17GUG82@*13		17GUG82N*13	
—	—	30	—	—	2 1/2	25–100	B	100	100A/600V	17GUG82B*15		17GUG82@*15		17GUG82N*15	
15	20	—	—	—	2 1/2	25–100	B	100	100A/250V	17GUG82B*14		17GUG82@*14		17GUG82N*14	
20	25	—	—	3	—	25–100	B	100	100A/250V	17HUG82B*14		17HUG82@*14		17HUG82N*14	
—	—	50	50	3	—	25–100	B	100	100A/600V	17HUG82B*15		17HUG82@*15		17HUG82N*15	
25	30	—	—	3	—	25–100	B	200	200A/250V	17HUG82B*16		17HUG82@*16		17HUG82N*16	

Note: All starter sizes carry one maximum Hp rating (per the National Electric Code).

Ⓞ For conduit hubs and conversion instructions, see page 9/110.

Fusible with Ambient Compensated Bimetal Overload, Class 17

Selection



Ordering Information	Coil Table																				
<ul style="list-style-type: none"> ▶ Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order. ▶ Heater elements see page 9/124. (3 required) ▶ Field Modification Kits see page 9/104. ▶ Factory Modifications see page 9/119. ▶ Dimensions see page 9/159. ▶ Wiring Diagrams see page 9/174. ▶ Replacement Parts see page 9/131. ▶ For NO/NC SPDT contact on overload relay, replace "81" with "91". "81" indicates one NC contact. 	<table border="1"> <thead> <tr> <th>60Hz Voltage</th> <th>Letter</th> </tr> </thead> <tbody> <tr><td>24</td><td>J</td></tr> <tr><td>120</td><td>F</td></tr> <tr><td>110–120/220–240</td><td>A</td></tr> <tr><td>200–208</td><td>D</td></tr> <tr><td>220–240</td><td>G</td></tr> <tr><td>277</td><td>L</td></tr> <tr><td>220–240/440–480</td><td>C</td></tr> <tr><td>440–480</td><td>H</td></tr> <tr><td>575–600</td><td>E</td></tr> </tbody> </table> <p>For other voltages and frequencies, see Factory Modifications page 9/119.</p>	60Hz Voltage	Letter	24	J	120	F	110–120/220–240	A	200–208	D	220–240	G	277	L	220–240/440–480	C	440–480	H	575–600	E
60Hz Voltage	Letter																				
24	J																				
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220–240	G																				
277	L																				
220–240/440–480	C																				
440–480	H																				
575–600	E																				

Standard Width Enclosure, 3-Phase, 3-Pole^②

Max Hp				NEMA Size	Half Size	Disc Amp Rating	Fuse Clip Size Amps/Volts	Enclosure							
200 Volts	230 Volts	460 Volts	575 Volts					NEMA 1 General Purpose		NEMA 4/4X Stainless ^① Watertight, Dust-tight Corrosion Resistant @ = W for 304 Stainless Steel @ = X for 316 Stainless Steel		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 12, NEMA 3/3R, ^① NEMA 4 Painted Industrial Use Weatherproof Watertight, Dust-tight	
								Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
3	3	—	—	0	—	30	30A/250V	17CP92B*1081	17CP92@*1081	17CP92F*1081	17CP92N*1081				
—	—	5	5	0	—	30	30A/600V	17CP92B*1181	17CP92@*1181	17CP92F*1181	17CP92N*1181				
5	5	—	—	1	—	30	30A/250V	17DP92B*1081	17DP92@*1081	17DP92F*1081	17DP92N*1081				
—	—	10	10	1	—	30	30A/600V	17DP92B*1181	17DP92@*1181	17DP92F*1181	17DP92N*1181				
7½	7½	—	—	1	—	60	60A/250V	17DP92B*1281	17DP92@*1281	17DP92F*1281	17DP92N*1281				
10	10	—	—	—	1¼	60	60A/250V	17EP92B*1281	17EP92@*1281	17EP92F*1281	17EP92N*1281				
—	—	15	15	—	1¼	60	60A/600V	17EP92B*1381	17EP92@*1381	17EP92F*1381	17EP92N*1381				
10	15	—	—	2	—	60	60A/250V	17FP92B*1281	17FP92@*1281	17FP92F*1281	17FP92N*1281				
—	—	25	25	2	—	60	60A/600V	17FP92B*1381	17FP92@*1381	17FP92F*1381	17FP92N*1381				
—	—	—	30	—	2½	60	60A/600V	17GP92B*1381	17GP92@*1381	17GP92F*1381	17GP92N*1381				
—	—	30	—	—	2½	100	100A/600V	17GP92B*1581	17GP92@*1581	17GP92F*1581	17GP92N*1581				
15	20	—	—	—	2½	100	100A/250V	17GP92B*1481	17GP92@*1481	17GP92F*1481	17GP92N*1481				
20	25	—	—	3	—	100	100A/250V	17HP92B*1481	17HP92@*1481	17HP92F*1481	17HP92N*1481				
—	—	50	50	3	—	100	100A/600V	17HP92B*1581	17HP92@*1581	17HP92F*1581	17HP92N*1581				
25	30	—	—	3	—	200	200A/250V	17HP92B*1681	17HP92@*1681	17HP92F*1681	17HP92N*1681				
30	40	—	—	—	3½	200	200A/250V	17IP92B*1681	17IP92@*1681	17IP92F*1681	17IP92N*1681				
—	—	75	75	—	3½	200	200A/600V	17IP92B*1781	17IP92@*1781	17IP92F*1781	17IP92N*1781				
40	50	—	—	4	—	200	200A/250V	17JP92B*1681	17JP92@*1681	17JP92F*1681	17JP92N*1681				
—	—	100	100	4	—	200	200A/600V	17JP92B*1781	17JP92@*1781	17JP92F*1781	17JP92N*1781				

Extra Wide Enclosure, 3-Phase, 3-Pole

Max Hp				NEMA Size	Half Size	Disc Amp Rating	Fuse Clip Size Amps/Volts	Enclosure							
200 Volts	230 Volts	460 Volts	575 Volts					NEMA 1 General Purpose		NEMA 4/4X Stainless ^① Watertight, Dust-tight Industrial Use Weatherproof @ = W for 304 Stainless Steel @ = X for 316 Stainless Steel		NEMA 12, NEMA 3/3R, ^① NEMA 4 Painted Industrial Use Weatherproof Watertight, Dust-tight			
								Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$		
3	3	—	—	0	—	30	30A/250V	17CP82B*1081	17CP82@*1081	17CP82F*1081	17CP82N*1081				
—	—	5	5	0	—	30	30A/600V	17CP82B*1181	17CP82@*1181	17CP82F*1181	17CP82N*1181				
5	5	—	—	1	—	30	30A/250V	17DP82B*1081	17DP82@*1081	17DP82F*1081	17DP82N*1081				
—	—	10	10	1	—	30	30A/600V	17DP82B*1181	17DP82@*1181	17DP82F*1181	17DP82N*1181				
7½	7½	—	—	1	—	60	60A/250V	17DP82B*1281	17DP82@*1281	17DP82F*1281	17DP82N*1281				
10	10	—	—	—	1¼	60	60A/250V	17EP82B*1281	17EP82@*1281	17EP82F*1281	17EP82N*1281				
—	—	15	15	—	1¼	60	60A/600V	17EP82B*1381	17EP82@*1381	17EP82F*1381	17EP82N*1381				
10	15	—	—	2	—	60	60A/250V	17FP82B*1281	17FP82@*1281	17FP82F*1281	17FP82N*1281				
—	—	25	25	2	—	60	60A/600V	17FP82B*1381	17FP82@*1381	17FP82F*1381	17FP82N*1381				
—	—	—	30	—	2½	60	60A/600V	17GP82B*1381	17GP82@*1381	17GP82F*1381	17GP82N*1381				
—	—	30	—	—	2½	100	100A/600V	17GP82B*1581	17GP82@*1581	17GP82F*1581	17GP82N*1581				
15	20	—	—	—	2½	100	100A/250V	17GP82B*1481	17GP82@*1481	17GP82F*1481	17GP82N*1481				
20	25	—	—	3	—	100	100A/250V	17HP82B*1481	17HP82@*1481	17HP82F*1481	17HP82N*1481				
—	—	50	50	3	—	100	100A/600V	17HP82B*1581	17HP82@*1581	17HP82F*1581	17HP82N*1581				
25	30	—	—	3	—	200	200A/250V	17HP82B*1681	17HP82@*1681	17HP82F*1681	17HP82N*1681				

Note: Hp's shown above are based on the overload amp range for the FLA's (per the National Electric Code) of typical industrial motors. All starter sizes carry one maximum Hp rating.

① For conduit hubs and conversion instructions, see page 9/110.

② Single phase wiring page 9/173.