

# Combination Multi-Speed Heavy Duty Starters

Selection

## Two Speed Constant or Variable Torque with Ambient Comp. Bimetal Overload, Class 32



### Ordering Information

- ▶ 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 884. (6-Required)
- ▶ Technical Data see pages 133–138.
- ▶ Field Modification Kits see pages 121–125.
- ▶ Factory Modifications see pages 126–132.
- ▶ Dimensions see page 150.
- ▶ Wiring Diagrams see pages 161–162.
- ▶ Replacement Parts see page 882.

### Coil Table

60Hz Voltage	Letter
24 Separate Control	J
120 Separate Control	F
110–120/220–240 <sup>①</sup>	A
200–208	D
220–240	G
277	L
220–240/440–480 <sup>①</sup>	C
440–480	H
575–600	E

For other voltages and frequencies see Factory Modifications page 129.

### Two Separate Windings—Circuit Breaker Type Disconnect, 3 Phase

Max Hp				NEMA Size	Half Size	Cont Amp Rating	Motor Circuit Interrupter ETI Amps	Enclosure					
200 Volts	230 Volts	460 Volts	575 Volts					NEMA 1 General Purpose		NEMA 4/4X Stainless <sup>②</sup> Watertight, Dusttight Corrosion Resistant 304 Stainless Steel		NEMA 12 NEMA 3/3R <sup>③</sup> Industrial Use Weatherproof	
								Catalog No	Price \$	Catalog No	Price \$	Catalog No	Price \$
1/2	1/2	1	1	0	—	18	3	32CP92B1VA*81	1934.	32CP92W1VA*81	3120.	32CP92N1VA*81	2188.
1	1	3	3	0	—	18	10	32CP92B1VB*81	1934.	32CP92W1VB*81	3120.	32CP92N1VB*81	2188.
3	3	5	5	0	—	18	25	32CP92B1VC*81	1934.	32CP92W1VC*81	3120.	32CP92N1VC*81	2188.
1/2	1/2	1	1	1	—	27	3	32DP92B1VA*81	2042.	32DP92W1VA*81	3228.	32DP92N1VA*81	2296.
1	1	3	3	1	—	27	10	32DP92B1VB*81	2042.	32DP92W1VB*81	3228.	32DP92N1VB*81	2296.
3	3	7 1/2	7 1/2	1	—	27	25	32DP92B1VD*81	2042.	32DP92W1VD*81	3228.	32DP92N1VD*81	2296.
7 1/2	7 1/2	10	10	1	—	27	30	32DP92B1VE*81	2042.	32DP92W1VE*81	3228.	32DP92N1VE*81	2296.
—	—	15	15	—	1 1/4	40	30	32EP92B1VF*81	2512.	32EP92W1VF*81	3698.	32EP92N1VF*81	2766.
10	10	—	—	—	1 1/4	40	50	32EP92B1VG*81	2512.	32EP92W1VG*81	3698.	32EP92N1VG*81	2766.
7 1/2	10	20	20	2	—	45	40	32FP92B1VH*81	3035.	32FP92W1VH*81	4515.	32FP92N1VH*81	3436.
10	15	25	25	2	—	45	50	32FP92B1VJ*81	3035.	32FP92W1VJ*81	4515.	32FP92N1VJ*81	3436.
—	—	30	30	—	2 1/2	60	50	32GP92B1VK*81	3636.	32GP92W1VK*81	5115.	32GP92N1VK*81	4037.
15	20	—	—	—	2 1/2	60	100	32GP92B1VL*81	3636.	32GP92W1VL*81	5115.	32GP92N1VL*81	4037.
—	—	30	30	3	—	90	100	32HP92B1VM*81	4122.	32HP92W1VM*81	6649.	32HP92N1VM*81	5000.
25	30	50	50	3	—	90	100	32HP92B1VN*81	4122.	32HP92W1VN*81	6649.	32HP92N1VN*81	5000.
30	40	75	75	—	3 1/2	115	125	32IP92B1VP*81	8598.	32IP92W1VP*81	12573.	32IP92N1VP*81	11048.
40	50	100	100	4	—	135	150	32JP92B1VR*81	9214.	32JP92W1VR*81	13189.	32JP92N1VR*81	11664.
50	75	150	150	—	4 1/2	210	250						
75	100	200	—	5	—	270	400						
150	200	400	400	6	—	540	800						
—	300	600	600	7	—	810	1000						

ESP100 Solid State Overload Standard, see page 86 for selection.

①Dual voltage coils not available in modified starters.


②For NEMA 4X fiberglass enclosure, change 7th character of catalog number to F. Example: 32CP92F1VA\*81. Price addition see page 130. Available through Size 4.

③NEMA 12 may be field modified for NEMA 3/3R, see page 125.

NEMA and HP Rated Control

2

## Two Speed Constant Horsepower with Solid State Overload, Class 32

	<b>Ordering Information</b> <ul style="list-style-type: none"> <li>▶ Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order.</li> <li>▶ Replace the (†) with the letters that correspond to the correct FLAs.<sup>®</sup></li> <li>▶ For self-reset overload option on Sizes 0–5, change 4th character from “S” or “T” to “R”. No price addition.</li> <li>▶ Technical Data see pages 133–138.</li> <li>▶ For fuse clips see page 127.</li> <li>▶ Field Modification Kits see pages 121–125.</li> <li>▶ Factory Modifications see pages 126–132.</li> <li>▶ Dimensions see page 150.</li> <li>▶ Wiring Diagrams see pages 161–162.</li> <li>▶ Replacement Parts see page 882.</li> </ul>	<b>Coil Table</b> <table border="1"> <thead> <tr> <th>60Hz Voltage</th> <th>Letter</th> <th>Size</th> <th>FLA</th> <th>†</th> </tr> </thead> <tbody> <tr> <td>24 Separate Control</td> <td>J</td> <td>0,1</td> <td>0.25–1</td> <td>A</td> </tr> <tr> <td>120 Separate Control</td> <td>F</td> <td>0,1</td> <td>0.75–3</td> <td>B</td> </tr> <tr> <td>110–120/220–240<sup>ⓐ</sup></td> <td>A</td> <td>0,1</td> <td>2.5–10</td> <td>D</td> </tr> <tr> <td>200–208</td> <td>D</td> <td>0–1¾</td> <td>9–18</td> <td>E</td> </tr> <tr> <td>220–240</td> <td>G</td> <td>1–4</td> <td>13–27</td> <td>F</td> </tr> <tr> <td>277</td> <td>L</td> <td>1¾</td> <td>20–40</td> <td>G</td> </tr> <tr> <td>220–240/440–480<sup>ⓑ</sup></td> <td>C</td> <td>2–4</td> <td>22–45</td> <td>H</td> </tr> <tr> <td>440–480<sup>ⓑ</sup></td> <td>H</td> <td>2½–4</td> <td>30–60</td> <td>J</td> </tr> <tr> <td>575–600<sup>ⓑ</sup></td> <td>E</td> <td>3–4</td> <td>45–90</td> <td>K</td> </tr> <tr> <td></td> <td></td> <td>3½–4</td> <td>57–115</td> <td>L</td> </tr> <tr> <td></td> <td></td> <td>4</td> <td>67–135</td> <td>M</td> </tr> </tbody> </table>	60Hz Voltage	Letter	Size	FLA	†	24 Separate Control	J	0,1	0.25–1	A	120 Separate Control	F	0,1	0.75–3	B	110–120/220–240 <sup>ⓐ</sup>	A	0,1	2.5–10	D	200–208	D	0–1¾	9–18	E	220–240	G	1–4	13–27	F	277	L	1¾	20–40	G	220–240/440–480 <sup>ⓑ</sup>	C	2–4	22–45	H	440–480 <sup>ⓑ</sup>	H	2½–4	30–60	J	575–600 <sup>ⓑ</sup>	E	3–4	45–90	K			3½–4	57–115	L			4	67–135	M	<b>FLA Table</b>
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2  
 NEMA and HP  
 Rated Control

### One Winding Consequent Pole—Non-Fusible Disconnect, 3 Phase

Max Hp				NEMA Size	Half Size	Overload Amp Range	Disc Size Amps	Enclosure					
200 Volts	230 Volts	460 Volts	575 Volts					NEMA 1 General Purpose		NEMA 4/4X Stainless <sup>®</sup> Watertight, Dusttight Corrosion Resistant 304 Stainless Steel		NEMA 12 NEMA 3/3R <sup>ⓐ</sup> Industrial Use Weatherproof	
								Catalog No	Price \$	Catalog No	Price \$	Catalog No	Price \$
2	2	3	3	0	—	—	30	32CS††92B2H2*	1980.	32CS††92W2H2*	3166.	32CS††92N2H2*	2234.
5	5	7½	7½	1	—	—	30	32DS††92B2H2*	2072.	32DS††92W2H2*	3259.	32DS††92N2H2*	2327.
7½	7½	10	10	—	1¾	—	60	32ES††92B2H2*	2619.	32ES††92W2H2*	3806.	32ES††92N2H2*	2874.
7½	10	20	20	2	—	—	60	32FS††92B2H2*	3320.	32FS††92W2H2*	4800.	32FS††92N2H2*	3721.
10	15	25	25	—	2½	—	60	32GS††92B2H2*	4160.	32GS††92W2H2*	5639.	32GS††92N2H2*	4561.
20	25	40	40	3	—	—	100	32HS††92B2H2*	4753.	32HS††92W2H2*	7280.	32HS††92N2H2*	5632.
25	30	50	50	—	3½	—	200	32ISL††92B2H2*	10146.	32IS††92W2H2*	14121.	32IS††92N2H2*	12596.
30	40	75	75	4	—	—	200	32JT††92B2H2*	11071.	32JT††92W2H2*	15046.	32JT††92N2H2*	13521.
40	60	100	100	—	4½	100–210	400	32KTSS92B2H2*	20431.	32KTSS92W2H2*	31717.	32KTSS92N2H2*	27110.
60	75	150	150	5	—	100–270	400	32LTUU92B2H2*	21278.	32LTUU92W2H2*	32796.	32LTUU92N2H2*	28189.
100	150	300	300	6	—	200–540	600	32MTXX92B2H2*	48458.	32MTXX92E2H2*	52310.	32MTXX92N2H2*	50538.
—	225	450	450	7	—	420–820	1200	32NTYY92B2H2*	61301.	32NTYY92E2H2*	65153.	32NTYY92N2H2*	63381.

### Two Separate Windings—Non-Fusible Disconnect, 3 Phase

Max Hp				NEMA Size	Half Size	Overload Amp Range	Disc Size Amps	Enclosure					
200 Volts	230 Volts	460 Volts	575 Volts					NEMA 1 General Purpose		NEMA 4/4X Stainless <sup>®</sup> Watertight, Dusttight Corrosion Resistant 304 Stainless Steel		NEMA 12 NEMA 3/3R <sup>ⓐ</sup> Industrial Use Weatherproof	
								Catalog No	Price \$	Catalog No	Price \$	Catalog No	Price \$
2	2	3	3	0	—	—	30	32CS††92B1H2*	1641.	32CS††92W1H2*	2827.	32CS††92N1H2*	1895.
5	5	7½	7½	1	—	—	30	32DS††92B1H2*	1749.	32DS††92W1H2*	2935.	32DS††92N1H2*	2003.
7½	7½	10	10	—	1¾	—	60	32ES††92B1H2*	2180.	32ES††92W1H2*	3367.	32ES††92N1H2*	2434.
7½	10	20	20	2	—	—	60	32FS††92B1H2*	2704.	32FS††92W1H2*	4183.	32FS††92N1H2*	3105.
10	15	25	25	—	2½	—	100	32GS††92B1H2*	3436.	32GS††92W1H2*	4915.	32GS††92N1H2*	3837.
20	25	40	40	3	—	—	100	32HS††92B1H2*	3924.	32HS††92W1H2*	6448.	32HS††92N1H2*	4800.
25	30	50	50	—	3½	—	200	32ISL††92B1H2*	7650.	32IS††92W1H2*	11625.	32IS††92N1H2*	10100.
30	40	75	75	4	—	—	200	32JT††92B1H2*	8266.	32JT††92W1H2*	12242.	32JT††92N1H2*	10716.
40	60	100	100	—	4½	100–210	400	32KTSS92B1H2*	17419.	32KTSS92W1H2*	28705.	32KTSS92N1H2*	24098.
60	75	150	150	5	—	100–270	400	32LTUU92B1H2*	18497.	32LTUU92W1H2*	29784.	32LTUU92N1H2*	25177.
100	150	300	300	6	—	200–540	600	32MTXX92B1H2*	38389.	32MTXX92E1H2*	42241.	32MTXX92N1H2*	40469.
—	225	450	450	7	—	420–820	1200	32NTYY92B1H2*	47418.	32NTYY92E1H2*	51270.	32NTYY92N1H2*	49498.

<sup>ⓐ</sup>Dual voltage coils not available in modified starters or in starter Sizes 4½–7.  
<sup>ⓑ</sup>Not available with self-reset option.  
<sup>ⓒ</sup>For NEMA 4X fiberglass enclosure, change 9th character of catalog number to F. Example: 32CS††92F2H2\*. Price addition see page 130. Available through Size 4. NEMA sizes 6 and 7 are NEMA 4 painted enclosures.

<sup>ⓓ</sup>NEMA 12 may be field modified for NEMA 3/3R, see page 125.  
<sup>ⓔ</sup>First † for high speed, second † for low speed. Use motor nameplate information to select FLA. If motor FLA are unknown, select overload on the basis that low speed FLA will be no greater than 50% of high speed FLA.

# Combination Multi Speed Heavy Duty Starters

Selection

## Two Speed Constant Horsepower with Ambient Comp. Bimetal Overload, Class 32



### Ordering Information

- ▶ 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 884. (6-Required)
- ▶ For fuse clips see page 127.
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### Coil Table

60Hz Voltage	Letter
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120 Separate Control	F
110–120/220–240 <sup>①</sup>	A
200–208	D
220–240	G
277	L
220–240/440–480 <sup>①</sup>	C
440–480	H
575–600	E

For other voltages and frequencies see Factory Modifications page 129.

2

NEMA and HP Rated Control

### One Winding Consequent Pole—Non-Fusible Disconnect, 3 Phase


Max Hp				NEMA Size	Half Size	Cont Amp Rating	Disc Amp Rating	Enclosure					
200 Volts	230 Volts	460 Volts	575 Volts					NEMA 1 General Purpose		NEMA 4/4X Stainless <sup>②</sup> Watertight, Dusttight Corrosion Resistant 304 Stainless Steel		NEMA 12 NEMA 3/3R <sup>③</sup> Industrial Use Weatherproof	
								Catalog No	Price \$	Catalog No	Price \$	Catalog No	Price \$
2	2	3	3	0	—	18	30	32CP92B2H2*81	1911.	32CP92W2H2*81	3097.	32CP92N2H2*81	2165.
5	5	7½	7½	1	—	27	30	32DP92B2H2*81	2003.	32DP92W2H2*81	3189.	32DP92N2H2*81	2257.
7½	7½	10	10	—	1¼	40	60	32EP92B2H2*81	2550.	32EP92W2H2*81	3736.	32EP92N2H2*81	2804.
7½	10	20	20	2	—	45	60	32FP92B2H2*81	3251.	32FP92W2H2*81	4730.	32FP92N2H2*81	3652.
10	15	25	25	—	2½	60	100	32GP92B2H2*81	4091.	32GP92W2H2*81	5570.	32GP92N2H2*81	4491.
20	25	40	40	3	—	90	100	32HP92B2H2*81	4684.	32HP92W2H2*81	7211.	32HP92N2H2*81	5562.
25	30	50	50	—	3½	115	125	32IP92B2H2*81	10077.	32IP92W2H2*81	14052.	32IP92N2H2*81	12527.
30	40	75	75	4	—	135	150	32JP92B2H2*81	11001.	32JP92W2H2*81	14977.	32JP92N2H2*81	13451.
40	60	100	100	—	4½	210	250	ESP100 Solid State Overload Standard, see page 89 for selection.					
60	75	150	150	5	—	270	400						
100	150	300	300	6	—	540	800						
—	225	450	450	7	—	810	1000						

### Two Separate Windings—Non-Fusible Disconnect, 3 Phase

Max Hp				NEMA Size	Half Size	Cont Amp Rating	Disc Amp Rating	Enclosure					
200 Volts	230 Volts	460 Volts	575 Volts					NEMA 1 General Purpose		NEMA 4/4X Stainless <sup>②</sup> Watertight, Dusttight Corrosion Resistant 304 Stainless Steel		NEMA 12 NEMA 3/3R <sup>③</sup> Industrial Use Weatherproof	
								Catalog No	Price \$	Catalog No	Price \$	Catalog No	Price \$
2	2	3	3	0	—	18	30	32CP92B1H2*81	1572.	32CP92W1H2*81	2758.	32CP92N1H2*81	1826.
5	5	7½	7½	1	—	27	30	32DP92B1H2*81	1679.	32DP92W1H2*81	2866.	32DP92N1H2*81	1934.
7½	7½	10	10	—	1¼	40	60	32EP92B1H2*81	2111.	32EP92W1H2*81	3297.	32EP92N1H2*81	2365.
7½	10	20	20	2	—	45	60	32FP92B1H2*81	2635.	32FP92W1H2*81	4114.	32FP92N1H2*81	3035.
10	15	25	25	—	2½	60	100	32GP92B1H2*81	3367.	32GP92W1H2*81	4846.	32GP92N1H2*81	3767.
20	25	40	40	3	—	90	100	32HP92B1H2*81	3852.	32HP92W1H2*81	6379.	32HP92N1H2*81	4730.
25	30	50	50	—	3½	115	125	32IP92B1H2*81	7581.	32IP92W1H2*81	11556.	32IP92N1H2*81	10031.
30	40	75	75	4	—	135	150	32JP92B1H2*81	8197.	32JP92W1H2*81	12172.	32JP92N1H2*81	10647.
40	60	100	100	—	4½	210	250	ESP100 Solid State Overload Standard, see page 89 for selection.					
60	75	150	150	5	—	270	400						
100	150	300	300	6	—	540	800						
—	225	450	450	7	—	810	1000						

①Dual voltage coils not available in modified starters.  
 ②For NEMA 4X fiberglass enclosure, change 7th character of catalog number to F. Example: 32CP92F2H2\*81. Price addition see page 130. Available through Size 4.  
 ③NEMA 12 may be field modified for NEMA 3/3R, see pages 125.

## Two Speed Constant Horsepower with Solid State Overload, Class 32

	<p><b>Ordering Information</b></p> <ul style="list-style-type: none"> <li>▶ Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order.</li> <li>▶ Replace the (†) with the letters that correspond to the correct FLAs.<sup>®</sup></li> <li>▶ For self-reset overload option on Sizes 0–5, change 4th character from “S” or “T” to “R”. No price addition.</li> <li>▶ Technical Data see pages 133–138.</li> <li>▶ Field Modification Kits see pages 121–125.</li> <li>▶ Factory Modifications see pages 126–132.</li> <li>▶ Dimensions see page 150.</li> <li>▶ Wiring Diagrams see pages 161–162.</li> <li>▶ Replacement Parts see page 882.</li> </ul>	<p><b>Coil Table</b></p> <table border="1"> <thead> <tr> <th>60Hz Voltage</th> <th>Letter</th> <th>Size</th> <th>FLA</th> <th>†</th> </tr> </thead> <tbody> <tr> <td>24 Separate Control</td> <td>J</td> <td>0,1</td> <td>0.25–1</td> <td>A</td> </tr> <tr> <td>120 Separate Control</td> <td>F</td> <td>0,1</td> <td>0.75–3</td> <td>B</td> </tr> <tr> <td>110–120/220–240<sup>®</sup></td> <td>A</td> <td>0,1</td> <td>2.5–10</td> <td>D</td> </tr> <tr> <td>200–208</td> <td>D</td> <td>0–1<sup>3/4</sup></td> <td>9–18</td> <td>E</td> </tr> <tr> <td>220–240</td> <td>G</td> <td>1–4</td> <td>13–27</td> <td>F</td> </tr> <tr> <td>277</td> <td>L</td> <td>1<sup>3/4</sup></td> <td>20–40</td> <td>G</td> </tr> <tr> <td>220–240/440–480<sup>®</sup></td> <td>C</td> <td>2–4</td> <td>22–45</td> <td>H</td> </tr> <tr> <td>440–480<sup>®</sup></td> <td>H</td> <td>2<sup>1/2</sup>–4</td> <td>30–60</td> <td>J</td> </tr> <tr> <td>575–600<sup>®</sup></td> <td>E</td> <td>3–4</td> <td>45–90</td> <td>K</td> </tr> <tr> <td></td> <td></td> <td>3<sup>1/2</sup>–4</td> <td>57–115</td> <td>L</td> </tr> <tr> <td></td> <td></td> <td>4</td> <td>67–135</td> <td>M</td> </tr> </tbody> </table>		60Hz Voltage	Letter	Size	FLA	†	24 Separate Control	J	0,1	0.25–1	A	120 Separate Control	F	0,1	0.75–3	B	110–120/220–240 <sup>®</sup>	A	0,1	2.5–10	D	200–208	D	0–1 <sup>3/4</sup>	9–18	E	220–240	G	1–4	13–27	F	277	L	1 <sup>3/4</sup>	20–40	G	220–240/440–480 <sup>®</sup>	C	2–4	22–45	H	440–480 <sup>®</sup>	H	2 <sup>1/2</sup> –4	30–60	J	575–600 <sup>®</sup>	E	3–4	45–90	K			3 <sup>1/2</sup> –4	57–115	L			4	67–135	M	<p><b>FLA Table</b></p>	
		60Hz Voltage	Letter	Size	FLA	†																																																											
24 Separate Control	J	0,1	0.25–1	A																																																													
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2  
NEMA and HP  
Rated Control

### One Winding Consequent Pole—Circuit Breaker Type, 3 Phase

Max Hp				NEMA Size	Half Size	Overload Amp Range	Motor Circuit Interrupter ETI Amps	Enclosure					
200 Volts	230 Volts	460 Volts	575 Volts					NEMA 1 General Purpose		NEMA 4/4X Stainless <sup>®</sup> Watertight, Dusttight Corrosion Resistant 304 Stainless Steel		NEMA 12 NEMA 3/3R <sup>®</sup> Industrial Use Weatherproof	
								Catalog No	Price \$	Catalog No	Price \$	Catalog No	Price \$
2	2	3	3	0	—	—	10	32CS††92B2H*	2342.	32CS††92W2H*	3528.	32CS††92N2H*	2596.
5	5	7½	7½	1	—	—	25	32DS††92B2H*	2434.	32DS††92W2H*	3621.	32DS††92N2H*	2689.
7½	7½	10	10	—	1¾	—	40	32ES††92B2H*	3020.	32ES††92W2H*	4206.	32ES††92N2H*	3274.
7½	10	20	20	2	—	—	50	32FS††92B2H*	3721.	32FS††92W2H*	5200.	32FS††92N2H*	4122.
10	15	25	25	—	2½	—	100	32GS††92B2H*	4430.	32GS††92W2H*	5909.	32GS††92N2H*	4830.
20	25	40	40	3	—	—	100	32HS††92B2H*	5023.	32HS††92W2H*	7550.	32HS††92N2H*	5901.
25	30	50	50	—	3½	—	125	32IS††92B2H*	11163.	32IS††92W2H*	15138.	32IS††92N2H*	13613.
30	40	75	75	4	—	—	125	32JT††92B2H*	12088.	32JT††92W2H*	16063.	32JT††92N2H*	14537.
40	60	100	100	—	4½	100–210	250	32KTSS92B2H*	22657.	32KTSS92W2H*	33944.	32KTSS92N2H*	29337.
60	75	150	150	5	—	100–270	400	32LTUU92B2H*	23736.	32LTUU92W2H*	35022.	32LTUU92N2H*	34267.
100	150	300	300	6	—	200–540	800	32MTXX92B2H*	49347.	32MTXX92E2H*	55857.	32MTXX92N2H*	53422.
—	225	450	450	7	—	420–820	1000	32NTYY92B2H*	64791.	32NTYY92E2H*	68643.	32NTYY92N2H*	55857.

### Two Separate Windings—Circuit Breaker Type, 3 Phase

Max Hp				NEMA Size	Half Size	Overload Amp Range	Motor Circuit Interrupter ETI Amps	Enclosure					
200 Volts	230 Volts	460 Volts	575 Volts					NEMA 1 General Purpose		NEMA 4/4X Stainless <sup>®</sup> Watertight, Dusttight Corrosion Resistant 304 Stainless Steel		NEMA 12 NEMA 3/3R <sup>®</sup> Industrial Use Weatherproof	
								Catalog No	Price \$	Catalog No	Price \$	Catalog No	Price \$
2	2	3	3	0	—	—	10	32CS††92B1H*	2003.	32CS††92W1H*	3189.	32CS††92N1H*	2257.
5	5	7½	7½	1	—	—	30	32DS††92B1H*	2111.	32DS††92W1H*	3297.	32DS††92N1H*	2365.
7½	7½	10	10	—	1¾	—	40	32ES††92B1H*	2581.	32ES††92W1H*	3767.	32ES††92N1H*	2835.
7½	10	20	20	2	—	—	50	32FS††92B1H*	3105.	32FS††92W1H*	4584.	32FS††92N1H*	3505.
10	15	25	25	—	2½	—	100	32GS††92B1H*	3706.	32GS††92W1H*	5185.	32GS††92N1H*	4106.
20	25	40	40	3	—	—	100	32HS††92B1H*	4191.	32HS††92W1H*	6718.	32HS††92N1H*	5069.
25	30	50	50	—	3½	—	125	32IS††92B1H*	8667.	32IS††92W1H*	12642.	32IS††92N1H*	11117.
30	40	75	75	4	—	—	150	32JT††92B1H*	9283.	32JT††92W1H*	13259.	32JT††92N1H*	11733.
40	60	100	100	—	4½	100–210	250	32KTSS92B1H*	19645.	32KTSS92W1H*	30932.	32KTSS92N1H*	26325.
60	75	150	150	5	—	100–270	400	32LTUU92B1H*	20724.	32LTUU92W1H*	32010.	32LTUU92N1H*	27403.
100	150	300	300	6	—	200–540	800	32MTXX92B1H*	39285.	32MTXX92E1H*	45603.	32MTXX92N1H*	43381.
—	225	450	450	7	—	420–820	1000	32NTYY92B1H*	51581.	32NTYY92E1H*	56717.	32NTYY92N1H*	55831.

①Dual voltage coils not available in modified starters or in starter, sizes 4½–7.  
 ②Not available with self-reset option.  
 ③For NEMA 4X fiberglass enclosure, change 9th character of catalog number to F. Example: 32CS††92F2H\*. Price addition see page 130. Available through Size 4. NEMA sizes 6 and 7 are NEMA 4 painted enclosures.

④NEMA 12 may be field modified for NEMA 3/3R, see page 125.  
 ⑤First † for high speed, second † for low speed. Use motor nameplate information to select FLA. If motor FLA are unknown, select overload on the basis that low speed FLA will be no greater than 50% of high speed FLA.

# Combination Multi-Speed Heavy Duty Starters

Selection

## Two Speed Constant Horsepower with Ambient Comp. Bimetal Overload, Class 32



### Ordering Information

- ▶ Replace the (\*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order.
- ▶ Heater elements see pages 884. (6-Required)
- ▶ Technical Data see pages 133–138.
- ▶ Field Modification Kits see pages 121–125.
- ▶ Factory Modifications see pages 126–132.
- ▶ Dimensions see page 150.
- ▶ Wiring Diagrams see pages 161–162.
- ▶ Replacement Parts see page 882.

### Coil Table

60Hz Voltage	Letter
24 Separate Control	J
120 Separate Control	F
110–120/220–240 <sup>①</sup>	A
200–208	D
220–240	G
277	L
220–240/440–480 <sup>①</sup>	C
440–480	H
575–600	E

For other voltages and frequencies see Factory Modifications page 129.


2  
NEMA and HP  
Rated Control

### One Winding Consequent Pole—Circuit Breaker Type, 3 Phase

Max Hp				NEMA Size	Half Size	Cont Amp Rating	Motor Circuit Interrupter ETI Amps	Enclosure					
200 Volts	230 Volts	460 Volts	575 Volts					NEMA 1 General Purpose		NEMA 4/4X Stainless <sup>②</sup> Watertight, Dusttight Corrosion Resistant 304 Stainless Steel		NEMA 12 NEMA 3/3R <sup>③</sup> Industrial Use Weatherproof	
								Catalog No	Price \$	Catalog No	Price \$	Catalog No	Price \$
1/2	1/2	1	1	0	—	18	10	32CP92B2HA*81	2273.	32CP92W2HA*81	3459.	32CP92N2HA*81	2527.
1 1/2	1 1/2	3	3	0	—	18	10	32CP92B2HB*81	2273.	32CP92W2HB*81	3459.	32CP92N2HB*81	2527.
2	2	—	—	0	—	18	10	32CP92B2HC*81	2273.	32CP92W2HC*81	3459.	32CP92N2HC*81	2527.
1/2	1/2	1	1	1	—	27	10	32DP92B2HA*81	2365.	32DP92W2HA*81	3552.	32DP92N2HA*81	2619.
1 1/2	1 1/2	3	3	1	—	27	10	32DP92B2HB*81	2365.	32DP92W2HB*81	3552.	32DP92N2HB*81	2619.
3	3	7 1/2	7 1/2	1	—	27	25	32DP92B2HD*81	2365.	32DP92W2HD*81	3552.	32DP92N2HD*81	2619.
5	5	—	—	1	—	27	25	32DP92B2HE*81	2365.	32DP92W2HE*81	3552.	32DP92N2HE*81	2619.
—	—	10	10	—	1 1/4	40	40	32EP92B2HF*81	2951.	32EP92W2HF*81	4137.	32EP92N2HF*81	3205.
7 1/2	7 1/2	—	—	—	1 1/4	40	40	32EP92B2HG*81	2951.	32EP92W2HG*81	4137.	32EP92N2HG*81	3205.
—	7 1/2	15	20	2	—	45	50	32FP92B2HH*81	3652.	32FP92W2HH*81	5131.	32FP92N2HH*81	4052.
7 1/2	10	20	—	2	—	45	50	32FP92B2HJ*81	3652.	32FP92W2HJ*81	5131.	32FP92N2HJ*81	4052.
—	—	30	30	—	2 1/2	60	100	32GP92B2HK*81	4360.	32GP92W2HK*81	5840.	32GP92N2HK*81	4761.
10	15	30	40	3	—	60	100	32HP92B2HM*81	4954.	32HP92W2HM*81	7481.	32HP92N2HM*81	5832.
20	25	40	—	3	—	90	100	32HP92B2HJ*81	4954.	32HP92W2HJ*81	7481.	32HP92N2HJ*81	5832.
25	30	50	50	—	3 1/2	115	125	32IP92B2HN*81	11094.	32IP92W2HN*81	15069.	32IP92N2HN*81	13544.
30	40	75	—	4	—	135	150	32JP92B2HR*81	12018.	32JP92W2HR*81	15994.	32JP92N2HR*81	14468.
—	—	—	75	4	—	135	150	32JP92B2HN*81	12018.	32JP92W2HN*81	15994.	32JP92N2HN*81	14468.
40	60	—	—	—	4 1/2	210	250	ESP100 Solid State Overload Standard, see page 91 for selection.					
—	—	100	100	—	4 1/2	210	250						
60	75	125	150	5	—	270	400						
—	—	150	—	5	—	270	400						
—	225	450	450	6	—	540	800						
100	150	300	300	7	—	810	1000						

①Dual voltage coils not available in modified starters.  
 ②For NEMA 4X fiberglass enclosure, change 7th character of catalog number to F. Example: 32CP92F2HA\*81. Price addition see page 130. Available through Size 4.  
 ③NEMA 12 may be field modified for NEMA 3/3R, see pages 125.

## Two Speed Constant Horsepower with Ambient Comp. Bimetal Overload, Class 32

	<b>Ordering Information</b>	<b>Coil Table</b>																			
	<ul style="list-style-type: none"> <li>▶ Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order.</li> <li>▶ Heater elements see pages 884. (6-Required)</li> <li>▶ Technical Data see pages 133–138.</li> <li>▶ Field Modification Kits see pages 121–125.</li> <li>▶ Factory Modifications see pages 126–132.</li> <li>▶ Dimensions see page 150.</li> <li>▶ Wiring Diagrams see pages 161–162.</li> <li>▶ Replacement Parts see page 882.</li> </ul>	<table border="1"> <thead> <tr> <th>60Hz Voltage</th> <th>Letter</th> </tr> </thead> <tbody> <tr><td>24 Separate Control</td><td>J</td></tr> <tr><td>120 Separate Control</td><td>F</td></tr> <tr><td>110–120/220–240<sup>①</sup></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<sup>①</sup></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 129.</p>	60Hz Voltage	Letter	24 Separate Control	J	120 Separate Control	F	110–120/220–240 <sup>①</sup>	A	200–208	D	220–240	G	277	L	220–240/440–480 <sup>①</sup>	C	440–480	H	575–600
60Hz Voltage	Letter																				
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### Two Separate Windings—Circuit Breaker Type, 3 Phase

Max Hp				NEMA Size	Half Size	Cont Amp Rating	Motor Circuit Interrupter ETI Amps	Enclosure					
200 Volts	230 Volts	460 Volts	575 Volts					NEMA 1 General Purpose		NEMA 4/4X Stainless <sup>②</sup> Watertight, Dusttight Corrosion Resistant 304 Stainless Steel		NEMA 12 NEMA 3/3R <sup>③</sup> Industrial Use Weatherproof	
								Catalog No	Price \$	Catalog No	Price \$	Catalog No	Price \$
1/2	1/2	1	1	0	—	18	10	32CP92B1HA*81	1934.	32CP92W1HA*81	3120.	32CP92N1HA*81	2188.
1 1/2	1 1/2	3	3	0	—	18	10	32CP92B1HB*81	1934.	32CP92W1HB*81	3120.	32CP92N1HB*81	2188.
2	2	—	—	0	—	18	10	32CP92B1HC*81	1934.	32CP92W1HC*81	3120.	32CP92N1HC*81	2188.
1/2	1/2	1	1	1	—	27	10	32DP92B1HA*81	2042.	32DP92W1HA*81	3228.	32DP92N1HA*81	2296.
1 1/2	1 1/2	3	3	1	—	27	10	32DP92B1HB*81	2042.	32DP92W1HB*81	3228.	32DP92N1HB*81	2296.
3	3	7 1/2	7 1/2	1	—	27	30	32DP92B1HD*81	2042.	32DP92W1HD*81	3228.	32DP92N1HD*81	2296.
5	5	—	—	1	—	27	30	32DP92B1HE*81	2042.	32DP92W1HE*81	3228.	32DP92N1HE*81	2296.
—	—	10	10	—	1 1/4	40	40	32EP92B1HF*81	2512.	32EP92W1HF*81	3698.	32EP92N1HF*81	2766.
7 1/2	7 1/2	—	—	—	1 1/4	40	40	32EP92B1HG*81	2512.	32EP92W1HG*81	3698.	32EP92N1HG*81	2766.
—	7 1/2	15	20	2	—	45	50	32FP92B1HH*81	3035.	32FP92W1HH*81	4515.	32FP92N1HH*81	3436.
7 1/2	10	20	—	2	—	45	50	32FP92B1HJ*81	3035.	32FP92W1HJ*81	4515.	32FP92N1HJ*81	3436.
—	—	30	30	—	2 1/2	60	100	32GP92B1HK*81	3636.	32GP92W1HK*81	5115.	32GP92N1HK*81	4037.
10	15	30	40	3	—	60	100	32HP92B1HM*81	4122.	32HP92W1HM*81	6649.	32HP92N1HM*81	5000.
20	25	40	—	3	—	90	100	32HP92B1HJ*81	4122.	32HP92W1HJ*81	6649.	32HP92N1HJ*81	5000.
25	30	50	50	—	3 1/2	115	125	32IP92B1HN*81	8598.	32IP92W1HN*81	12573.	32IP92N1HN*81	11048.
30	40	75	—	4	—	135	125	32JP92B1HR*81	9214.	32JP92W1HR*81	13189.	32JP92N1HR*81	11664.
—	—	—	75	4	—	135	125	32JP92B1HN*81	9214.	32JP92W1HN*81	13189.	32JP92N1HN*81	11664.
40	60	—	—	—	4 1/2	210	250	ESP100 Solid State Overload Standard, see page 91 for selection.					
—	—	100	100	—	4 1/2	210	250						
60	75	125	150	5	—	270	400						
—	—	150	—	5	—	270	400						
—	225	450	450	6	—	540	800						
100	150	300	300	7	—	810	1000						

①Dual voltage coils not available in modified starters.  
 ②For NEMA 4X fiberglass enclosure, change 7th character of catalog number to F. Example: 32CP92F1HA\*81. Price addition see page 130. Available through Size 4.  
 ③NEMA 12 may be field modified for NEMA 3/3R, see pages 125.

**2**  
 NEMA and HP  
 Rated Control