

Heavy Duty Motor Starters

Solid State Overload with Auto/Manual Reset, Class 14

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 8/82.
- ▶ Factory Modifications see page 8/95.
- ▶ Dimensions see pages 8/103 open and 8/116 enclosed.
- ▶ Wiring Diagrams see page 8/131.

Coil Table

60Hz Voltage	Letter
24 Separate Control	J
120 Separate Control	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

For other voltages and frequencies, see Factory Modifications page 8/95.

Open Type & Standard Width Enclosure, 3-Phase, 3-Pole

Max Hp				Overload		Enclosure ^②											
200 Volts	230 Volts	460 Volts	575 Volts	NEMA Size	Half Size	Amp Range	Frame Size	Open Type Standard Auxiliary Contacts ^②	NEMA 1 General Purpose	NEMA 4/4X Stainless ^② Watertight, Dust-tight, Corrosion Resistant 304 Stainless Steel 316 Stainless Steel (Optional) ^③	NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant	NEMA 7 & 9 NEMA 3 & 4 Div. 1 and Div. 2 Class I Groups C & D Class II Groups E, F & G Class III Bolted Enclosures Indoor/Outdoor Use	NEMA 12 NEMA 3/3R ^② Industrial Use Weatherproof (Field Convertible to 3/3R)				
Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
1/4	1/4	1/4	1/4	00	—	0.25-1	A	14BUA32A*	14BUA32B*	Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—
1/2	1/2	1 1/2	2	00	—	0.75-3.4	A	14BUB32A*	14BUB32B*	Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—
1 1/2	1 1/2	2	—	00	—	3-12	A1	14BUC32A*	14BUC32B*	Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—
1/4	1/4	1/4	1/2	0	—	0.25-1	A	14CUA32A*	14CUA32B*	14CUA32W*	14CUA32F*	14CUA32H*	14CUA320*	14CUA320*	14CUA320*	14CUA320*	14CUA320*
1/2	1/2	1 1/2	2	0	—	0.75-3.4	A	14CUB32A*	14CUB32B*	14CUB32W*	14CUB32F*	14CUB32H*	14CUB320*	14CUB320*	14CUB320*	14CUB320*	14CUB320*
2	2	5	5	0	—	3-12	A1	14CUC32A*	14CUC32B*	14CUC32W*	14CUC32F*	14CUC32H*	14CUC320*	14CUC320*	14CUC320*	14CUC320*	14CUC320*
3	3	—	—	0	—	5.5-22	A1	14CUD32A*	14CUD32B*	14CUD32W*	14CUD32F*	14CUD32H*	14CUD320*	14CUD320*	14CUD320*	14CUD320*	14CUD320*
1/4	1/4	1/4	1/2	1	—	0.25-1	A	14DUA32A*	14DUA32B*	14DUA32W*	14DUA32F*	14DUA32H*	14DUA320*	14DUA320*	14DUA320*	14DUA320*	14DUA320*
1/2	1/2	1 1/2	2	1	—	0.75-3.4	A	14DUB32A*	14DUB32B*	14DUB32W*	14DUB32F*	14DUB32H*	14DUB320*	14DUB320*	14DUB320*	14DUB320*	14DUB320*
2	2	5	5	1	—	3-12	A1	14DUC32A*	14DUC32B*	14DUC32W*	14DUC32F*	14DUC32H*	14DUC320*	14DUC320*	14DUC320*	14DUC320*	14DUC320*
3	3	10	10	1	—	5.5-22	A1	14DUD32A*	14DUD32B*	14DUD32W*	14DUD32F*	14DUD32H*	14DUD320*	14DUD320*	14DUD320*	14DUD320*	14DUD320*
7 1/2	7 1/2	—	—	1	—	10-40	A1	14DUE32A*	14DUE32B*	14DUE32W*	14DUE32F*	14DUE32H*	14DUE320*	14DUE320*	14DUE320*	14DUE320*	14DUE320*
10	10	15	15	—	1 1/2	10-40	A1	14EUE32A*	14EUE32B*	14EUE32W*	14EUE32F*	14EUE32H*	14EUE320*	14EUE320*	14EUE320*	14EUE320*	14EUE320*
10	15	25	25	2	—	13-52	B	14FUF32A*	14FUF32B*	14FUF32W*	14FUF32F*	14FUF32H*	14FUF320*	14FUF320*	14FUF320*	14FUF320*	14FUF320*
15	20	30	30	—	2 1/2	25-100	B	14GUG32A*	14GUG32B*	14GUG32W*	14GUG32F*	14GUG32H*	14GUG320*	14GUG320*	14GUG320*	14GUG320*	14GUG320*
25	30	50	50	3	—	25-100	B	14HUG32A*	14HUG32B*	14HUG32W*	14HUG32F*	14HUG32H*	14HUG320*	14HUG320*	14HUG320*	14HUG320*	14HUG320*
30	40	75	75	—	3 1/2	50-200	B	14IUH32A*	14IUH32B*	14IUH32W*	14IUH32F*	14IUH32H*	14IUH320*	14IUH320*	14IUH320*	14IUH320*	14IUH320*
40	50	100	100	4	—	50-200	B	14JUH32A*	14JUH32B*	14JUH32W*	14JUH32F*	14JUH32H*	14JUH320*	14JUH320*	14JUH320*	14JUH320*	14JUH320*
75	100	200	200	5	—	55-250	—	14LPU32A*	14LPU32B*	14LPU32E* ^④	—	—	14LPU32H*	14LPU320*	14LPU320*	14LPU320*	14LPU320*
150	200	400	400	6	—	160-630	—	14MPX32A*	14MPX32B*	14MPX32E* ^④	—	—	—	—	14MPX320*	14MPX320*	14MPX320*
—	300	600	600	7 ^⑤	—	400-1220	A1+CT	14NUN32A*	14NUN32B*	14NUN32E* ^④	—	—	—	—	14NUN320*	14NUN320*	14NUN320*
—	450	900	900	8 ^⑥	—	400-1220	A1+CT	14PUN32A*	14PUN32B*	14PUN32E* ^④	—	—	—	—	14PUN320*	14PUN320*	14PUN320*

Open Type & Standard Width Enclosure, Single Phase, 2-Pole^③

Max Hp				Overload		Enclosure ^②											
115 Volts	208/230 Volts	NEMA Size	Amp Range	Frame Size	Open Type Standard Auxiliary Contacts ^②	NEMA 1 General Purpose	NEMA 4/4X Stainless ^② Watertight, Dust-tight, Corrosion Resistant 304 Stainless Steel 316 Stainless Steel (Optional)	NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant	NEMA 7 & 9 NEMA 3 & 4 Div. 1 and Div. 2 Class I Groups C & D Class II Groups E, F & G Class III Bolted Enclosures Indoor/Outdoor Use	NEMA 12 NEMA 3/3R ^② Industrial Use Weatherproof (Field Convertible to 3/3R)							
Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
1/4	1/4	0	0.75-3.4	A	14CUB12A*	14CUB12B*	14CUB12W*	14CUB12F*	14CUB12H*	14CUB120*	14CUB120*	14CUB120*	14CUB120*	14CUB120*	14CUB120*	14CUB120*	14CUB120*
1/2	1/2	0	3-12	A1	14CUC12A*	14CUC12B*	14CUC12W*	14CUC12F*	14CUC12H*	14CUC120*	14CUC120*	14CUC120*	14CUC120*	14CUC120*	14CUC120*	14CUC120*	14CUC120*
1	2	0	5.5-22	A1	14CUD12A*	14CUD12B*	14CUD12W*	14CUD12F*	14CUD12H*	14CUD120*	14CUD120*	14CUD120*	14CUD120*	14CUD120*	14CUD120*	14CUD120*	14CUD120*
1/4	1/4	1	0.75-3.4	A	14DUB12A*	14DUB12B*	14DUB12W*	14DUB12F*	14DUB12H*	14DUB120*	14DUB120*	14DUB120*	14DUB120*	14DUB120*	14DUB120*	14DUB120*	14DUB120*
1/2	1/2	1	3-12	A1	14DUC12A*	14DUC12B*	14DUC12W*	14DUC12F*	14DUC12H*	14DUC120*	14DUC120*	14DUC120*	14DUC120*	14DUC120*	14DUC120*	14DUC120*	14DUC120*
1	2	1	5.5-22	A1	14DUD12A*	14DUD12B*	14DUD12W*	14DUD12F*	14DUD12H*	14DUD120*	14DUD120*	14DUD120*	14DUD120*	14DUD120*	14DUD120*	14DUD120*	14DUD120*

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

① Dual voltage coils not available in size 5-8 starters.

② For conduit hubs and conversion instructions, see page 8/88.

③ Coils D, F, or G will be wired for incoming voltage. J coil will be wired for separate source. Coils E, H, and L do not apply to single phase starters.

④ Enclosure is NEMA Type 4 (painted steel).

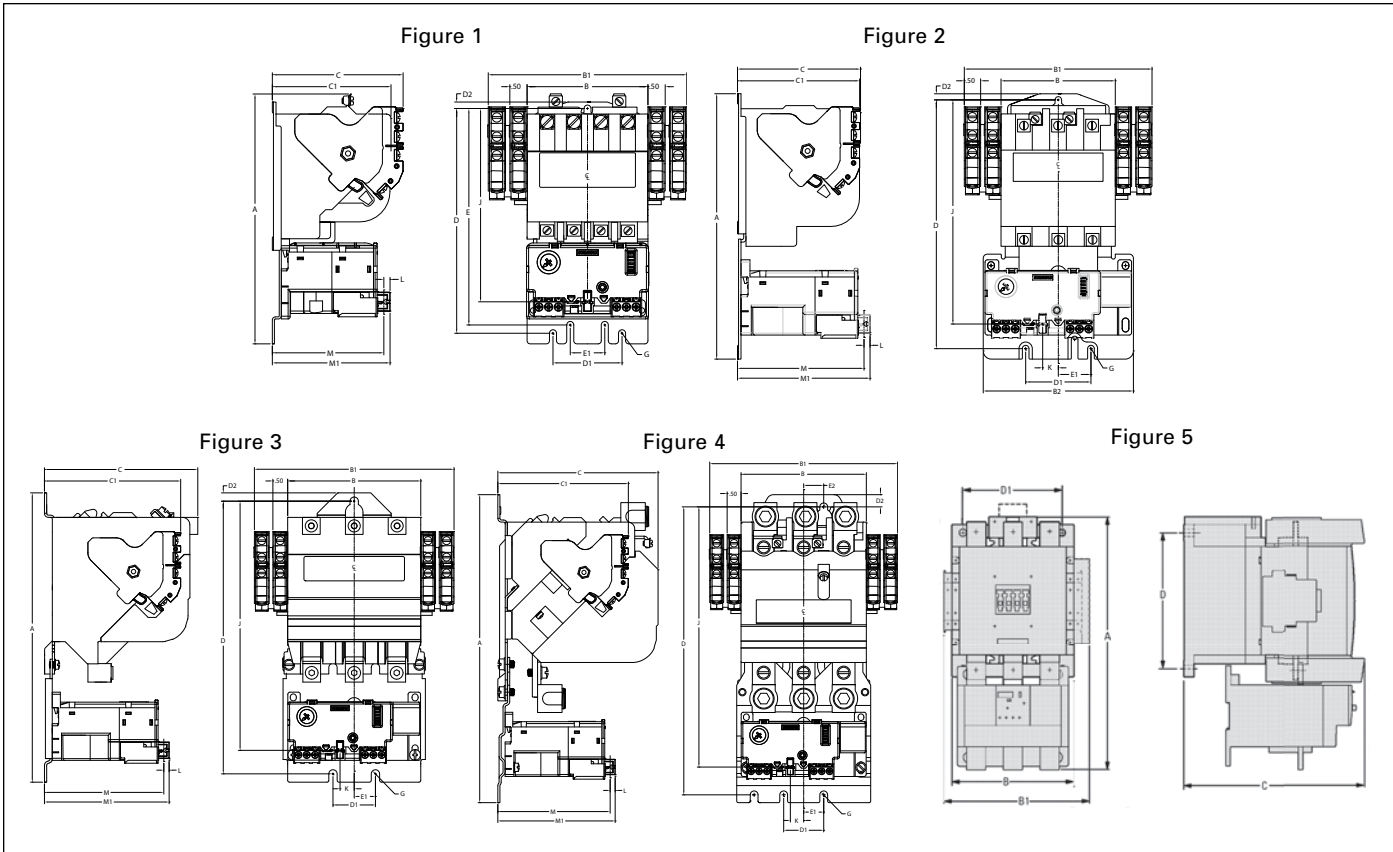
⑤ F coil 100-250V AC 50/60Hz, or DC, H coil 150-500V AC 50/60Hz, or DC

⑥ Only available F coil 100-250V AC 50/60Hz, or DC

⑦ Standard Auxiliary Contacts, Same as Contactors, refer to page 8/13.

⑧ For 316 Stainless Steel option see page 8/98.

⑨ Enclosed starters with the ESP200 OLR will not be available until approximately December 2009. Continue to order enclosed starters with the ESP100 OLR until then.



Open Type Solid State Overload

Size	Figure	Outline Dimensions					Mounting Dimensions							Mounting Screw	Reset Dimensions				
		A	B	B1	B2	C	C1	D	D1	D2	E	E1	E2		G	J	K	L	M
00-1/4	1	7.44 (189)	3.50 (89)	5.75 (146)	—	3.75 (95)	3.50 (89)	6.50 (165)	2.00 (51)	0.19 (5)	6.27 (159)	1.00 (25)	—	#10	5.60 (142)	—	0.18 (5)	3.23 (82)	3.41 (87)
2-2½	2	8.13 (207)	3.50 (89)	5.75 (146)	4.60 (117)	4.00 (102)	3.77 (96)	7.62 (194)	2.00 (51)	0.19 (5)	—	1.00 (25)	—	#10	6.87 (174)	0.48 (12)	0.18 (5)	3.88 (99)	4.06 (103)
3-3½	3	9.78 (248)	4.50 (114)	6.75 (171)	—	5.19 (132)	4.66 (118)	9.22 (234)	1.44 (37)	0.28 (7)	—	0.72 (18)	—	0.25 (6)	8.43 (214)	0.48 (12)	0.18 (5)	4.04 (103)	4.22 (107)
4	4	11.06 (281)	4.50 (114)	6.75 (171)	—	5.75 (146)	4.66 (118)	10.34 (263)	1.44 (37)	0.44 (11)	—	0.72 (18)	0.72 (18)	0.25 (6)	9.35 (237)	0.48 (12)	0.18 (5)	4.04 (103)	4.22 (107)
5	5	12.76 (324)	5.71 (145)	6.89 (175)	—	8.54 (217)	—	7.09 (180)	4.72 (120)	—	—	—	—	0.35 (9)	—	—	—	—	—
6	6	13.03 (331)	6.30 (160)	7.48 (190)	—	9.29 (236)	—	7.09 (180)	5.12 (130)	—	—	—	—	0.35 (9)	—	—	—	—	—

Note: Dimensions in inches (millimeters). Dimensions for reference, not for construction. Contact Sales Office for dimensions not listed.