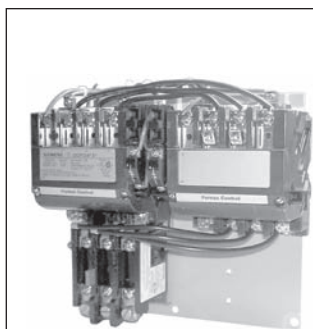


Reversing Heavy Duty Starters

Ambient Compensated Bimetal Overload with Manual and Auto Reset, Class 22

Selection

1
2
3
4
5
6
7
8
9



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 9/124. Single phase starters require 1 heater element. 3-phase starters require 3 heater elements.
- ▶ Field Modification Kits see page 9/104.
- ▶ Factory Modifications see page 9/119.
- ▶ Dimensions see pages 9/142 open and 9/162 enclosed.
- ▶ Wiring Diagrams see page 9/175.
- ▶ 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

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.

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

Max Hp							Enclosure											
200 Volts	230 Volts	460 Volts	575 Volts	Contactor Amp Rating	NEMA Size	Half Size	Open Type ^③		NEMA 1 General Purpose		NEMA 4/4X Stainless ^① Watertight, Dust-tight Corrosion Resistant 304 Stainless Steel		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant Indoor/Outdoor Use		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		NEMA 12 ^① NEMA 3/3R Industrial Use Weatherproof	
							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 1/2	1 1/2	2	2	9	00	—	22BP32A*81	22BP32B*81	Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—
3	3	5	5	18	0	—	22CP32A*81	22CP32B*81	22CP32W*81	—	22CP32F*81	—	22CP32H*81	—	22CP320*81	—	22CP320*81	—
7 1/2	7 1/2	10	10	27	1	—	22DP32A*81	22DP32B*81	22DP32W*81	—	22DP32F*81	—	22DP32H*81	—	22DP320*81	—	22DP320*81	—
10	10	15	15	40	—	1 3/4	22EP32A*81	22EP32B*81	22EP32W*81	—	22EP32F*81	—	22EP32H*81	—	22EP320*81	—	22EP320*81	—
10	15	25	25	45	2	—	22FP32A*81	22FP32B*81	22FP32W*81	—	22FP32F*81	—	22FP32H*81	—	22FP320*81	—	22FP320*81	—
15	20	30	30	60	—	2 1/2	22GP32A*81	22GP32B*81	22GP32W*81	—	22GP32F*81	—	22GP32H*81	—	22GP320*81	—	22GP320*81	—
25	30	50	50	90	3	—	22HP32A*81	22HP32B*81	22HP32W*81	—	22HP32F*81	—	22HP32H*81	—	22HP320*81	—	22HP320*81	—
30	40	75	75	115	—	3 1/2	22IP32A*81	22IP32B*81	22IP32W*81	—	22IP32F*81	—	22IP32H*81	—	22IP320*81	—	22IP320*81	—
40	50	100	100	135	4	—	22JG32A*81	22JG32B*81	22JG32W*81	—	22JG32F*81	—	22JG32H*81	—	22JG320*81	—	22JG320*81	—

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

Max Hp				Enclosure											
115 Volts	208/230 Volts	Contactor Amp Rating	NEMA Size	Open Type		NEMA 1 General Purpose		NEMA 4/4X Stainless ^① Watertight, Dust-tight Corrosion Resistant 304 Stainless Steel		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 ^① NEMA 3/3R Industrial Use Weatherproof	
				Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
1/2	1	9	00	22BP12A*81	22BP12B*81	Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—
1	2	18	0	22CP12A*81	22CP12B*81	22CP12W*81	—	22CP12F*81	—	22CP12H*81	—	22CP120*81	—	22CP120*81	—
2	3	27	1	22DP12A*81	22DP12B*81	22DP12W*81	—	22DP12F*81	—	22DP12H*81	—	22DP120*81	—	22DP120*81	—
3	5	35	1P	22EP12A*81	22EP12B*81	22EP12W*81	—	22EP12F*81	—	22EP12H*81	—	22EP120*81	—	22EP120*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 Coil D, F, or G will be wired for Incoming Voltage. J coil will be wired for 24V separate source. Coils E, H, and L do not apply to single phase starters.

- ③ Auxiliary contacts
22B-22E 4th pole built-in
22F-22J 2 NO & 2 NC