



A-C FULL VOLTAGE-MAGNETIC

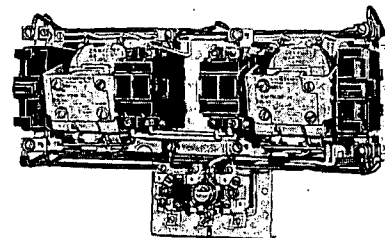
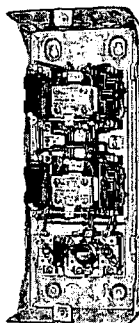
109

3 Phase Reversing Starters

WHEN ORDERING SPECIFY

- Catalog number
- Voltage and frequency
- Heater coil number or full load current

Size 1 — Vertical Construction
— NEMA 1 enclosure with
cover removed



Size 2 — Horizontal Construction
3 Coil Overload Relay

FOR REMOTE CONTROL

Non-Plugging Maximum Horsepower 60-50-25 Cycles			NEMA Size	General Purpose NEMA 1			Weatherproof- Watertight NEMA 3-4	Dusttight- Industrial NEMA 5-12		Hazardous Gas NEMA 7-D		Hazardous Dust NEMA 9-EFG		Open Type Separate Control						
				Vertical Con- struction Cat. No.	Horizontal Con- struction Cat. No.	Price		② Vertical Construction										Vertical Con- struction Cat. No.	Horizontal Con- struction Cat. No.	Price
								Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price			
208/220 Volts	440 Volts	550 Volts																		
2 COIL OVERLOAD RELAY—RESET ONLY																				
1 --- ---	--- 1 ---	--- --- 1	① 00	--- --- ---	9595- H2087 H2088 H2089	\$72.	9595- W1 W2 W3	\$118.	--- --- ---	--- --- ---	--- --- ---	9595- W4 W5 W6	\$118.	--- --- ---	9595- H2074 H2075 H2076	\$68.				
3	5	5	0	9656- H19	9656- H26	84.	9656- H33	130.	9656- H537	\$102.	9656- H47	\$245.	9656- H54	130.	9656- H66	9656- H67	80.			
7½	10	10	1	H119	H126	96.	H133	160.	H539	114.	H147	257.	H154	160.	H161	H162	90.			
15	25	25	2	H213	H218	184.	H223	288.	H228	214.	H235	427.	H238	326.	H246	H243	168.			
30	50	50	3	H308	H318	305.	H333	459.	H338	371.	H323	684.	H328	503.	H343	H346	277.			
50 ---	100 ---	--- 100	4 4	H421 H422	--- ---	724. 724.	H429 H430	996. 996.	H437 H438	826. 826.	H445 H446	1173. 1173.	H453 H454	1070. 1070.	H462 H463	H468 H469	672. 672.			
100 ---	200 ---	--- 200	5 5	H507 H508	--- ---	1551. 1551.	H517 H518	1903. 1903.	H512 H513	1903. 1903.	--- ---	--- ---	--- ---	--- ---	H495 H496	H482 H483	1250. 1250.			
200	400	400	6	W1	---	4015.	W4	4515.	W7	4515.	---	---	---	---	W10	---	3515.			
300	600	600	7	W2	---	4950.	W5	5450.	W8	5450.	---	---	---	---	W11	---	4450.			
450	900	900	8	W3	---	6830.	W6	7330.	W9	7330.	---	---	---	---	W12	---	6330.			

3 COIL OVERLOAD RELAY—RESET ONLY

Factory Assembled 3 coil starter—Add suffix "T" to catalog number and for sizes 0 through 4 add \$4.00. for size 5 add \$40.00 and for size 6 and above add \$70.00.

Field Conversion from 2 coil to 3 coil, sizes 0 through 4, use spindle kit 10176H150—\$2.50 and heater coil—\$1.50.

Prices include necessary heater coils at \$1.50 each.

- ① 60 cycle only. Order 50 or 25 cycle by description and complete motor data.
② Except size 00.

Plugging and Jogging Service Horsepower Ratings

Maximum Horsepower where operation is interrupted more than 5 times per minute.

NEMA Size	208/220 Volts	440-550 Volts
00	½	½
0	1	1
1	3	5
2	10	15
3	20	30
4	30	60
5	75	150
6	150	300

HEATER COILS for starters in NEMA 1 enclosure for average 60 cycle 1800 R.P.M. motors

H.P.	208/220 Volts	440 Volts	550 Volts	H.P.	208/220 Volts	440 Volts	550 Volts
¼	9586- H1345	9586- H1338	9586- H1336	10	10177- H1046	10177- H1040	10177- H1038
½	H1348	H1340	H1338	15	H1050	H1044	H1042
¾	H1353	H1346	H1343	20	H1050	H1046	H1044
1	H1357	H1349	H1347	25	H1054	H1048	H1046
	H1359	H1352	H1349	30	H1055	H1048	H1046
1½	10177- H1031	10177- H1025	10177- H1023	40	H1057	H1050	H1048
2	H1033	H1027	H1026	50	H1058	H1052	H1050
3	H1036	H1030	H1029	60	H1026	H1054	H1051
5	H1041	H1034	H1032	75	H1027	H1056	H1054
7½	H1045	H1038	H1036	100	H1029	H1058	H1056

For more accurate selection and for other enclosures select heater coils by full load current. See index on page 279.

DISCOUNT SCHEDULE 1 CD

DIMENSIONS, next page.

OPTIONAL FEATURES, page 115.

CUTLER-HAMMER

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3 PHASE FULL VOLTAGE
MOTOR CONTROL

3 PHASE REDUCED
VOLTAGE & MULTISPEED
MOTOR CONTROL

1 PHASE MOTOR CONTROL

AC-DC CONTACTORS,
RELAYS & TIMERS

PUSHBUTTONS & LIGHTS,
LIMIT SWITCHES,
FOOT SWITCHES

MISCELLANEOUS
ACCESSORIES &
COMPONENTS