



A-C REDUCED VOLTAGE-MAGNETIC

123

3 Phase Non-Reversing Wye-Delta Motor Starters

WHEN ORDERING SPECIFY

- Catalog number
- Voltage and frequency
- Heater Coil number or full load current.

FOR USE WITH 6 LEAD WYE-DELTA MOTORS

Maximum Horsepower 60-50-25 Cycles		NEMA Size	General Purpose NEMA 1		Watertight NEMA 4		Dusttight—Industrial NEMA 5-12		Hazardous Gas NEMA 7-D		Hazardous Dust NEMA 9-EFG	
208/220 Volts	440-550 Volts		Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price
OPEN TRANSITION — 3 COIL OVERLOAD RELAY — RESET ONLY												
10	15	1 YD	9615- H1	\$348.	9615- W5	\$468.	9615- W13	\$448.	9615- W21	\$813.	9615- W24	\$508.
25	40	2 YD	H3	411.	W6	546.	W14	536.	W22	1011.	W25	636.
50	75	3 YD	H5	596.	W7	791.	W15	746.	W23	1253.	W26	906.
75	150	4 YD	H7	1238.	W8	1545.	W16	1438.	W27	1958.	W27	1683.
150	300	5 YD	W1	2222.	W9	2792.	W17	2672.	---	---	---	---
300	600	6 YD	W2	5089.	W10	5589.	W18	5359.	---	---	---	---
500	1000	7 YD	W3	7876.	W11	8376.	W19	8146.	---	---	---	---
750	1500	8 YD	W4	8990.	W12	9490.	W20	9260.	---	---	---	---

CLOSED TRANSITION — 3 COIL OVERLOAD RELAY — RESET ONLY																	
Max. H.P. 208/220 Volts	General Purpose NEMA 1		Max. H.P. 208/220 Volts	General Purpose NEMA 1		Max. H.P. 208/220 Volts	General Purpose NEMA 1		Max. H.P. 440-550 Volts	General Purpose NEMA 1		Max. H.P. 440-550 Volts	General Purpose NEMA 1		Max. H.P. 440-550 Volts	General Purpose NEMA 1	
	Cat. No.	Price		Cat. No.	Price		Cat. No.	Price		Cat. No.	Price		Cat. No.	Price		Cat. No.	Price
15	9615-W28	\$529.	60	9615-W33	\$1571.	300	9615-W38	\$6285.	15	9615-W43	\$529.	100	9615-W50	\$1683.	600	9615-W56	\$6541.
25	W29	598.	75	W34	1619.	400	W39	9492.	25	W44	598.	150	W51	1707.	750	W57	9660.
30	W30	802.	100	W35	2698.	500	W40	9608.	30	W45	598.	250	W52	2788.	800	W58	10203.
40	W31	824.	150	W36	2722.	600	W41	10930.	40	W46	620.	300	W53	2939.	1000	W59	10384.
50	W32	824.	250	W37	6150.	750	W42	11218.	50	W47	824.	400	W54	6406.	1250	W60	11578.
									60	W48	848.	500	W55	6485.	1500	W61	12716.
									75	W49	931.						

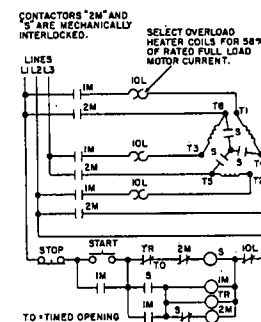
Prices include necessary heater coils at \$1.50 each. 3 coil overload Relays required for full Protection of Y-Δ motors.

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

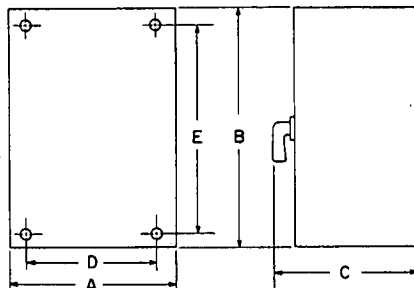
Horsepower	Catalog Numbers			Horsepower	Catalog Numbers		
	208/220 Volts	440 Volts	550 Volts		208/220 Volts	440 Volts	550 Volts
7½	10177-H1039	10177-H1033	10177-H1031	40	10177-H1052	10177-H1047	10177-H1044
10	H1041	H1035	H1033	50	H1054	H1047	H1045
15	H1044	H1038	H1036	60	H1054	H1048	H1047
20	H1047	H1041	H1038	75	H1056	H1050	H1048
25	H1048	H1042	H1040	100	---	H1052	H1050
30	H1049	H1044	H1042				

For more accurate selection and for other enclosures select heater coils by full load current. See index on page 280.

TYPICAL WIRING DIAGRAM



APPROXIMATE DIMENSIONS AND SHIPPING WEIGHTS



NEMA Size	Dimensions in Inches					Ship. Wt. Lbs.
	Wide A	High B	⌀ Deep C	Mounting		
				D	E	
NEMA 1 ENCLOSURES						
1 YD	16½	22¾	7¼	13½	20	50
2 YD	22¾	30¾	9¼	19½	28	110
3 YD	26¾	34¾	9¼	23½	32	150
4 YD	26¾	42¾	9¼	23½	40	215
5 YD	32	84	26	Floor Mounting		500
6 YD	48	84	34	Floor Mounting		1650
7 YD	112	84	38	Floor Mounting		2510
8 YD	128	84	38	Floor Mounting		On Appl.

⊗ Does not include ¾" lock hasp.

DISCOUNT SCHEDULE 1C D

OPTIONAL FEATURES, page 129

CUTLER-HAMMER

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