

A-c Magnetic Across-the-Line Starters

For Two Speed Squirrel Cage Motors

Navy A Service

Bulletin
6968

Size	Maximum Horsepower 3 Phase, 60 Cycle				Controller		Spares (Unboxed) Navy Packaging Includes				Net Wt. Spares Unboxed	Master Plan	Ship Plan
	Constant or Variable Torque		Constant Horsepower		Drip- proof Price	Spray- tight Price	Contacts and Springs	Magnet Coils	O.L. Relay Heaters	Complete Set of Spares			
	220V	440V	220V	440V									
Non Reverse Starters with Overload Protection FOR TWO SPEED TWO WINDING MOTORS Reset Only in Cover — Add Fused Pilot Circuit for Remote Pushbutton Station													
1 3/4	5 15 30 60	7 1/2 25 50 100	3 10 20 30	5 20 40 60	\$ 680. 811. 1242 1629.	\$ 725. 880. 1311. 1756.	\$ 25.50 32.70 48. 48.	\$ 24.55 26.20 21.55 36.20	\$ 7.30 7.30 7.30 7.30	\$ 47. 58. 70. 93.	3 1/2 4 1/2 7 1/2 11 1/2	No Charge No Charge No Charge No Charge	\$ 213. 213. 213. 213.
REVERSING — TWO SPEED, TWO WINDING													
1 2 3 4	5 15 30 60	7 1/2 25 50 100	3 10 20 30	5 20 40 60	947. 1204. 1985. 2682.	1026. 1340. 2105. 2883.	38.25 49.05 60. 72.	34.55 26.20 21.55 36.20	7.30 7.30 7.30 7.30	60. 74. 90. 117.	3 1/2 4 1/2 7 1/2 11 1/2	213. 213. 213. 213.	213. 213. 213. 213.
NON-REVERSE — TWO SPEED, SINGLE WINDING													
1 2 3 4	5 15 30 60	7 1/2 25 50 100	3 10 20 30	5 20 40 60	783. 894. 1365. 1818.	788. 898. 1434. 1945.	25.50 32.70 48. 48.	24.55 26.20 21.55 36.20	7.30 7.30 7.30 7.30	47. 58. 70. 93.	3 1/2 4 1/2 7 1/2 11 1/2	No Charge No Charge No Charge No Charge	213. 213. 213. 213.
REVERSING — TWO SPEED, SINGLE WINDING													
1 2 3 4	5 15 30 60	7 1/2 25 50 100	3 10 20 30	5 20 40 60	1013. 1261. 2158. 2912.	1100. 1427. 2282. 3125.	38.25 49.05 60. 72.	34.55 26.20 21.55 36.20	7.30 7.30 7.30 7.30	60. 74. 90. 117.	3 1/2 4 1/2 7 1/2 11 1/2	213. 213. 213. 213.	213. 213. 213. 213.
Options Featured See Bulletin 6900A, Page 13.													

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Pushbutton Stations

IMPORTANT: Where "emergency run" feature is specified for a magnetic controller with remote pushbutton station, the means for obtaining same may be either combined with the remote overload relay reset button, if furnished, or provided by a separate remote pushbutton which does not by pass the start button, and which may be located in the common master-switch enclosure.

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Explanation of Symbols and Circuit Combinations of Available Elements

Symbol	Type of Element	Size of Starter with which Element may be used	Duty	Contact Arrangement
	Single button Momentary Contact	All	Heavy	Normally open
	Single button Momentary Contact	All	Heavy	Normally Closed
	Single button Momentary Contact	All	Heavy	Three Point Contact Normally Open
	Single button Momentary Contact	All	Heavy	Normally Open and Normally Closed
	Rotary Switch	All	Heavy	3 Position—Single pole, double throw, with "off" position— maintained contact
	Rotary Switch	All	Heavy	3 Position—Momentary Con- tact spring return from one throw, maintained circuit in center position, open circuit in other throw
	Rotary Switch	All	Heavy	2 Position — Single pole, double throw — maintained contact

Cont'd

All prices F. O. B. Milwaukee — Discount Schedule 15 CD

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CUTLER-HAMMER, INC.



MILWAUKEE 1, WISCONSIN

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