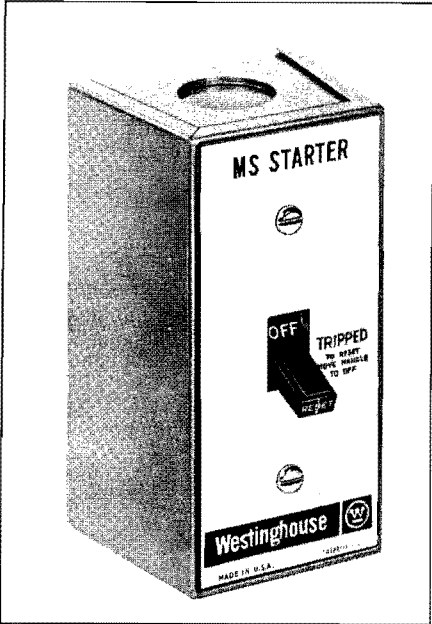


Westinghouse



Ac Manual Motor Starters

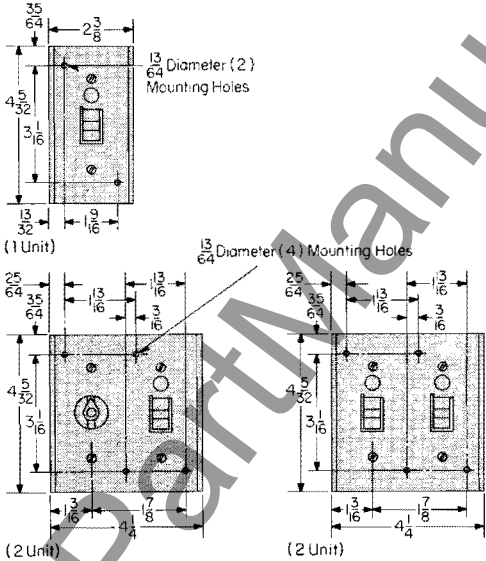
MS Manual Starters 1 Hp., 120/240 Volts Single Phase Maximum



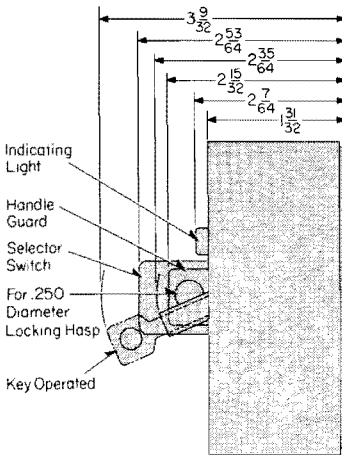
Dimensions, Inches

Dimension certification for construction purposes for G. O. No. _____ by _____

NEMA 1 Enclosures (Boxes and Covers)



Side View (Enlarged)



Application

MS manual single phase starters are designed to give positive, accurate, trouble-free overload protection to single phase motors rated up to 1 Hp. Typical applications are unit heaters, fans, burners, motors, etc.

Ratings

Volts	Hp.	Poles
120/240 Ac	1	1 or 2
120/240 Dc	1	2
240 Dc	1/4	1
32 Dc	1/4	1 or 2

Enclosures

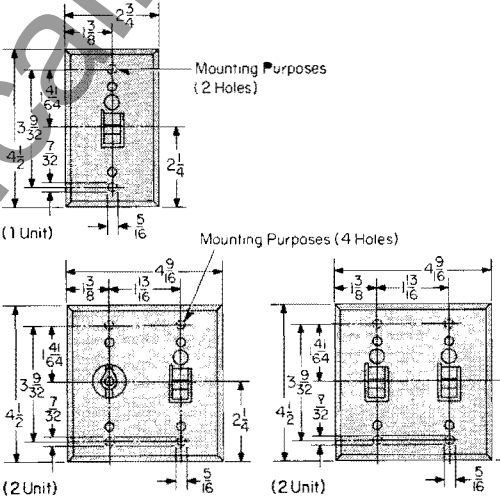
NEMA 1: General Purpose
NEMA 1B: Flush Mounted, General Purpose
NEMA 3, 4, 5: Watertight
NEMA 7D: Class I, Group D Hazardous Locations
NEMA 9E, F, G: Class II, Groups E, F, G Hazardous Locations

Typical Specification

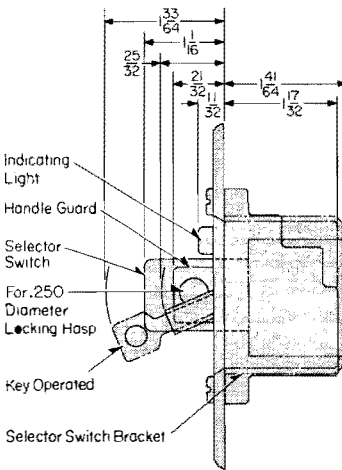
Manual single phase starters shall be Westinghouse Type MS or approved equal for motors of less than 1 Hp. They shall be built and tested in accordance with the latest NEMA standards.

The starter shall have a "quick-make, quick-break" toggle mechanism. The overload shall have a field adjustment allowing up to $\pm 10\%$ variance in ratings of the nominal heater value.

Flush Plates



Side View (Enlarged)

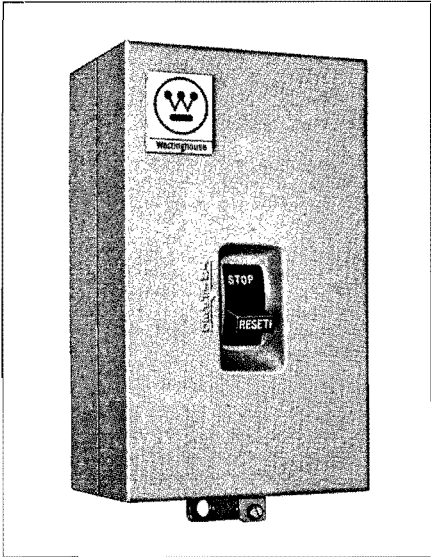


Westinghouse Electric Corporation
MS Motor Starters

Gen. Ord. No. _____ Item No. _____

Manual Motor Starters

Type A100 10 Hp., 600 Volts Maximum, 60 Hertz Ac



Ratings			
NEMA Size	Maximum Horsepower②		
	120 Volts Ac	208-240 Volts Ac	480-600 Volts Ac
2-Pole, Single Phase Ac			
M-0	1	2
M-1	2	3
M-1P(1½)	3	5
3-Pole, 3 Phase Ac			
M-0	2	3	5
M-1	3	7½	10
3-Pole Dc (2 Poles in Series)			
M-0	1	1½
M-1	1½	2

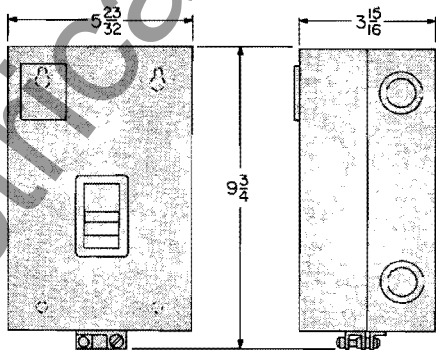
Enclosures
NEMA 1: General Purpose
NEMA 1B: Flush Mounted General Purpose
NEMA 4: Stainless Steel
NEMA 7: Class I, Group D Hazardous Locations
NEMA 9: Class II, Groups E, F, G Hazardous Locations
NEMA 12: Dust-tight Industrial Use

Application
A100 manual motor starters are designed to provide positive overload protection when used for across-the-line starting of small motors. Typical applications are for looms, pumps, fans and machine tools, either single phase, polyphase, Ac or Dc.

Typical Specifications
All three-phase manual starters and single phase starters rated above 1 Hp. shall be Westinghouse Type A100 or approved equal. They shall be built and tested in accordance with the latest NEMA standards.

The starter must feature contact operation which is "quick-make, quick-break" and cannot be teased into a partially open condition. There must be provision which blocks the closure of the contacts while the line terminals are exposed. Operating handle or buttons must clearly show by their position whether unit is On, Off or Tripped.

Dimensions, Inches
NEMA 1 Enclosure Only
Dimension certification for construction purposes for G. O. No. _____ by _____



Westinghouse Electric Corporation
A100 Manual Starters

Gen. Ord. No. _____ Item No. _____