



## 6" SUBMERSIBLE MOTORS

### *American - Marsh Proudly Introduces A New Line Of 6" 'H' Series Submersible Motors*

**6" 'H' SERIES** motors are wet type, water filled, water cooled and rewindable. The stator windings are of water proof synthetic film insulated copper winding wires. The unique design of the thrust bearing of the Eagle Series motors offer reliable service coupled with long life. Shaft seals, grommets and "O" rings are used to prevent entrance of sand and well water into the motor. A rubber diaphragm is provided to guard against pressure and volume variations due to thermal expansion of water inside the motor. A NEMA standard splined shaft extension is provided for easy coupling and transmission of power to the pump. These motors require a constant flow of water (Liner Flow) past its body to maintain the correct operating temperature.

SPECIFICATIONS	
POWER RANGE (HP)	5 to 50 HP - Three Phase
Speed	3450 rpm
Version	3Ph - 460V - 60Hz - A.C Supply
Degree of Protection	IP 58
Direction of Rotation	CCW, CW - 3 Ph
Maximum outer diameter	5.6 Inches (max)
Type of Duty	S1 (Continuous)
Maximum down thrust load	5 HP - 1500 lbs / 6500 N 7-1/2 - 20 HP 3500 lbs / 15500 N 25 - 50 HP - 6000 lbs / 27500 N
Minimum cooling flow along the motor	0.50 ft / sec
Maximum temperature of liquid	104° F (40° C)
Starts per hour	12 Times
Shaft	Splined as per NEMA Standard
Mounting Standard	NEMA Standard
Method of Starting	5 - 50 HP Direct On Line 7-1/2 - 50 HP WYE - DELTA
Cable Lead	Permanently connected and sealed 4 core PVC Insulated flat cable.

MATERIALS OF CONSTRUCTION	
PART NAME	TYPE - A
Upper & Lower Housing Shell	S.S - 304
Stator Shell	S.S - 304
Shaft	S.S - 410 / 431
Bearing Bush	Graphite Carbon
Thrust Bearing	Stainless Steel 420 / Graphite Carbon

In our efforts for continuous improvement, the information / descriptions / specifications / illustrations are subject to change without notice.