



"PUMPS AND PUMPS ONLY SINCE 1873"

Heavy Duty Design!



6" Submersible Motors Single & Three Phase 5 - 30 HP 230 Volt 5 - 50 HP 460 Volt

'H' Series

HEAVY DUTY SUBMERSIBLE MOTORS

American-Marsh 6" **Heavy Duty, High Thrust** Motors are designed and manufactured for years of dependable operation in 6" or larger wells. 6" American-Marsh 'H' Series motors, coupled with deep well submersible pump ends have been successfully used for domestic, irrigation, commercial, mining, building trade and numerous other installations for several decades.

American Marsh 6", **Heavy Duty, 'H' Series** submersible motors are water filled and rewindable. The stator windings consist of water proof synthetic film and insulated copper.

FEATURES

Design

Full 3450 RPM, 60 Hz. rated design.

Materials of Construction

Totally enclosed, all stainless steel exterior shell.

Shaft Design

Stainless steel, splined shaft with protective sand slinger are of industry standard NEMA mounting dimensions.

Motor Leads

All motor leads are double-insulated and watertight.

Thrust Bearings

Six shoe design, water lubricated, **Heavy Duty Thrust Bearing** withstands higher axial loads than the competition providing reliable service and longer life.

Motor Leads

4 conductor, double insulated flat cable; 3 - lead and 6 - lead (wye-delta) permanently connected and sealed to motor windings.

Class F Insulation

Allows more starts/stops than other motors
More insulation allows for additional motor life.

American-Marsh Submersible Motors

'H' Series

MATERIALS OF CONSTRUCTION

PARTS

Upper and Lower Housings

Motor Shaft

Insulation

Fasteners

Seal

Sand Boot

Cable

Cable Length

Diaphragm

Thrust Bearings

Thrust Load Capacity

MATERIALS

300 series stamped
stainless steel

431 series stainless steel

Class F, 311 F (155 C)

300 series stainless steel

Double lip seal

Nitrile

Permanent connected, sealed,
4 conductor, PVC insulated
flat cable

3 to 20 HP - 120"

25 - 50 HP - 200"

EPDM pressure equalizing diaphragm

Heavy Duty, six shoe, Kingsbury-type,

420 stainless steel/carbon graphite

3 - 5 HP **1500 lbs.** (6500 N)

7-1/2 - 20 HP **3500 lbs.** (15500 N)

25 - 50 HP **6000 lbs.** (27500 N)

TECHNICAL DATA

Power Range

Speed

Versions

Degree of Protection

Direction of Rotation

Type of Duty

Maximum Down Thrust

Maximum Outer Diameter

Linear Flow Requirement

Maximum Liquid Temp.

Method of Starting

Cable Connection

5 - 50 HP Three Phase

3450 RPM

230 V Single Phase 60 Hz. A.C.

460 V Three Phase 60 Hz. A.C.

IP58

CCW - Single Phase

CW & CCW - Three Phase

S1 (Continuous)

6000 lbs. (27500 N)

5.6 in (142 mm)

0.5 ft./sec. (0.15 m/sec.)

104 F (40 C)

Three Phase

5 - 50 HP across the line

7-1/2 HP - 50 Wye Delta

3/6 wire permanently connected

