

ENGINEERED PRODUCTS

TURFBOSS SERIES SPRINKLER PUMPS



ENGINEERING SPECIFICATIONS

1.01 SCOPE: The Contractor shall provide (quantity) horizontal self-priming TurfBoss pumps as manufactured by Franklin Electric. All pump units shall be of one manufacturer and provided complete including electric drive. The self-priming pump shall be able to maintain the ability to lift water from a source up to 25' below the pump.

2.01 CONDITIONS OF SERVICE:

Equipment Item Number:

Pipe Inside Diameter:

Suction (inches) NPT:

Discharge (inches) NPT:

Primary Service Condition:

Capacity (gpm):

Total Head (feet):

Minimum Total Head at Shut-off (feet):

Operating Speed (rpm):

Maximum Motor (hp):

3.01 PUMP CONSTRUCTION: Each pump shall be designed for clockwise rotation viewed from motor end and include the following design features:

CASING: The pump casing shall be volute type, back pull-out design with 1.5" NPT threaded suction and discharge connections with integral 1" priming port and shall be constructed with heavy-duty cast iron.

IMPELLER: Shall be F.D.A. compliant and molded with Noryl® thermoplastic (optional 404 stainless steel).

DIFFUSER: (Guide-vane): Shall be F.D.A. compliant and molded with Noryl® thermoplastic.

MECHANICAL SEAL: Pump shaft seal shall have carbon rotating face and ceramic stationary face with Buna elastomers.

MOTOR: Single-phase pump motor assemblies shall allow for dual voltage. The motor should be able to be set for 115 V or 230 V (except 2 hp models which shall allow 230 V only). Motor shall be an industry-proven indoor and outdoor 56C motor.

4.01 CERTIFICATION: Pump(s) shall be approved for indoor or outdoor operation through CSA and UL778.