

# ENGINEERED PRODUCTS

## MH SERIES HORIZONTAL MULTI-STAGE PUMPS



### ENGINEERING SPECIFICATIONS

**1.01 SCOPE:** The contractor shall provide horizontal close-coupled, model MH horizontal end suction multi-stage pumps as manufactured by Franklin Electric or equal. All pump units shall be of one manufacturer and provided complete including electric motor drive.

#### 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 driven end and include the following design features:

**CASING:** The pump casing shall be 304 stainless steel with NPT threaded suction and discharge connections.

**IMPELLER:** The pump impeller shall be of enclosed design, constructed of, 304 stainless steel.

**MECHANICAL SEAL:** The pump shaft seal shall have carbon rotating face and a ceramic stationary face with Viton elastomers.

**ELECTRIC MOTOR:** The drive motor shall be square flanged, thermally protected, dual voltage, 115 V-230 V, single-phase or three-phase, with hp's ranging between 1/2 and 2 hp.