Submersible Wastewater Pumps
Single Vane impeller with 2” Solid Size
Combined 2” and 2 1/2” Discharge

**TP 50 M**

- **Application**
  - The HOMA TP 50 Series of submersible pumps are ideal for wastewater and sewage service in residential, commercial and industrial applications. The TP 50 is also excellent for drainage applications where large solids are present.
  - **Typical Fluids Handled Are:**
    - Clear and Drainage Water
    - Effluent and Sewage with Soft Solids
    - Liquids to 140 F can be handled intermittently
    - PH Range 5 – 9 with Specific Gravity to 1.1
  - TP 50 Series pumps are typically used in:
    - Residential and Commercial Sewage
    - Industrial Wastewater
    - Effluent Distribution Systems
    - Agricultural Wastewater
    - Pond or Lake Water
    - Processing Plants
    - Optional Factory Mutual (FM) label for Class I, Div 1 EX construction.

- **Features**
  - Integral Lift Handle is arched to permit self centering of lifting device
  - Cast Iron Construction with Epoxy Coating for maximum corrosion resistance
  - Extra Long Replaceable power cable of 33’ length is retained and sealed with a strain relief gland
  - Standard Lower Seal material is Silicon Carbide
  - Upper and Lower High Capacity Ball Bearings assure long life and reliability
  - Motor windings provided with Class H insulation and fully protected by embedded auto reset thermal switches
  - Oil Filled Seal Chamber positively lubricates seals and permits a seal leakage probe to be installed
  - Single Vane impeller for large solids handling
  - Replaceable volute wear ring in single vane pump permits hydraulic efficiency to be restored for long service life

- **Performance**
  - Flow (USGPM)
  - Total Head (FT)

- **Graphs**
  - 1 Ph
  - 3 Ph
Motor Construction

Motor Type: Enclosed Submersible
NEMA Insulation Code: Class H
Service Factor: 1.15
NEMA Design Type: B
Standard Cable Length: 33 ft
Available Motor Voltages:
1 Phase: 115 V, 200 V, 230 V
3 Phase: 200 V, 230 V, 380 V, 460 V, 575 V
Optional Explosion Proof construction: Factory Mutual approved for Class I, Div. 1, Group C & D.

Materials

Motor Housing, Volute and Impeller
Cast Iron ASTM A 48, Class 40B
Mechanical Seals – Impeller side
Silicon Carbide vs Silicon Carbide
Shaft Seal – Motor side
Mechanical Seal (Silicon Carbide vs Silicon Carbide)
TP50M16—M24…—L/M24…LIP Seal
O-Rings: Nitrile Rubber
Upper Bearing: Deep groove Ball Bearing
Lower Bearing: Double row angular Ball Bearing
TP50M16—M24 (not FM models): Deep groove Ball Bearing
Power Cable Sheathing: Nitrile Rubber
Shaft: AISI 430 F
Fasteners: AISI 304 SS

Technical Data

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<th>Curve No.</th>
<th>Pump Type</th>
<th>Rated B.H.P.</th>
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<th>Voltage (V)</th>
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<th>Speed (rpm)</th>
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We reserve the right to alter our specifications without notice!