Application
The HOMA TP 30/TP 49 Series of submersible pumps are ideal for wastewater and effluent applications in residential, commercial and industrial applications. These pumps are also excellent for drainage applications where solids are present.

Typical Fluids Handled Are:
• Clear water 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 30 or TP 49 Series pumps are typically used in:
• Industrial Wastewater
• Effluent Distribution Systems
• Containment Area Sumps
• Pond or Lake Water
• Pools
• Laundries and Wash Stations
• Processing Plants
• Commercial Buildings
• 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
- 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
- Impellers are provided in Single Vane configuration for large solids handling, and in Vortex configuration for smooth vibration free operation and for handling fibrous or air entrained materials

Submersible Wastewater Pumps
2” Discharge – 1 1/4” and 2” Solids

TP 30/TP 49

![Pump Image]

![Graph Image]
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, 200V, 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 seal – Impeller side:
Silicon Carbide vs Silicon Carbide

Shaft seal – Motor side:
Lip seal

O-Rings:
Nitrile rubber

Bearings:
Deep groove Ball Bearings

Power cable sheathing:
Nitrile rubber

Shaft:
AISI 430 F

Fasteners:
AISI 304 SS

Installations

Wet pit with autocoupling

Technical Data

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<th>Curve No.</th>
<th>Pump Type</th>
<th>Solid size</th>
<th>Rated B.H.P.</th>
<th>Phase</th>
<th>Voltage (V)</th>
<th>Full Load Amps</th>
<th>Speed (rpm)</th>
<th>Weight (LBS)</th>
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