

# HYDROMATIC®

## HPD200

### Submersible Positive Displacement Grinder Pump

- Engineered for low pressure sewer system applications
- Durable 2 HP grinder pump in either
  - 1750 RPM at 60 Hz
  - 1460 RPM at 50 Hz
- Available in complete package systems for quick installations
- No control panel required





# HPD200 - Submersible Positive Displacement Grinder

## FEATURES

The Hydromatic HPD200 submersible sewage positive displacement grinder pump is specifically designed to meet the demands of residential wastewater and sewage applications. The HPD200 is ideal for "high head" applications involving single-family residences and cottages. The 1-1/4 inch NPT discharge pump is available with a vertical discharge and can handle capacities up to 19 gallons per minute and heads up to 245 feet in the 60 Hz model and capacities up to 17-1/2 gallons per minute and heads up to 220 feet in the 50 Hz model.

The HPD200 has a powerful 2 HP oil-filled motor, to provide superior cooling and lubrication, allowing the motor to provide years of trouble-free service. The heavy duty ball bearings upper (radial) and lower (thrust) are continuously lubricated by oil to ensure a long service life.

Hydromatic's HPD200 does not require a control panel. The HPD200 grinder pump can operate in manual mode. Hydromatic's HPD200 grinder comes complete with 2 HP rated wide angle piggyback float switch for automatic operations. Complete "packaged systems" are also available from Hydromatic to make installation quick and simple.

When it comes to submersible sewage grinder pumps, trust the leader....**Hydromatic.**

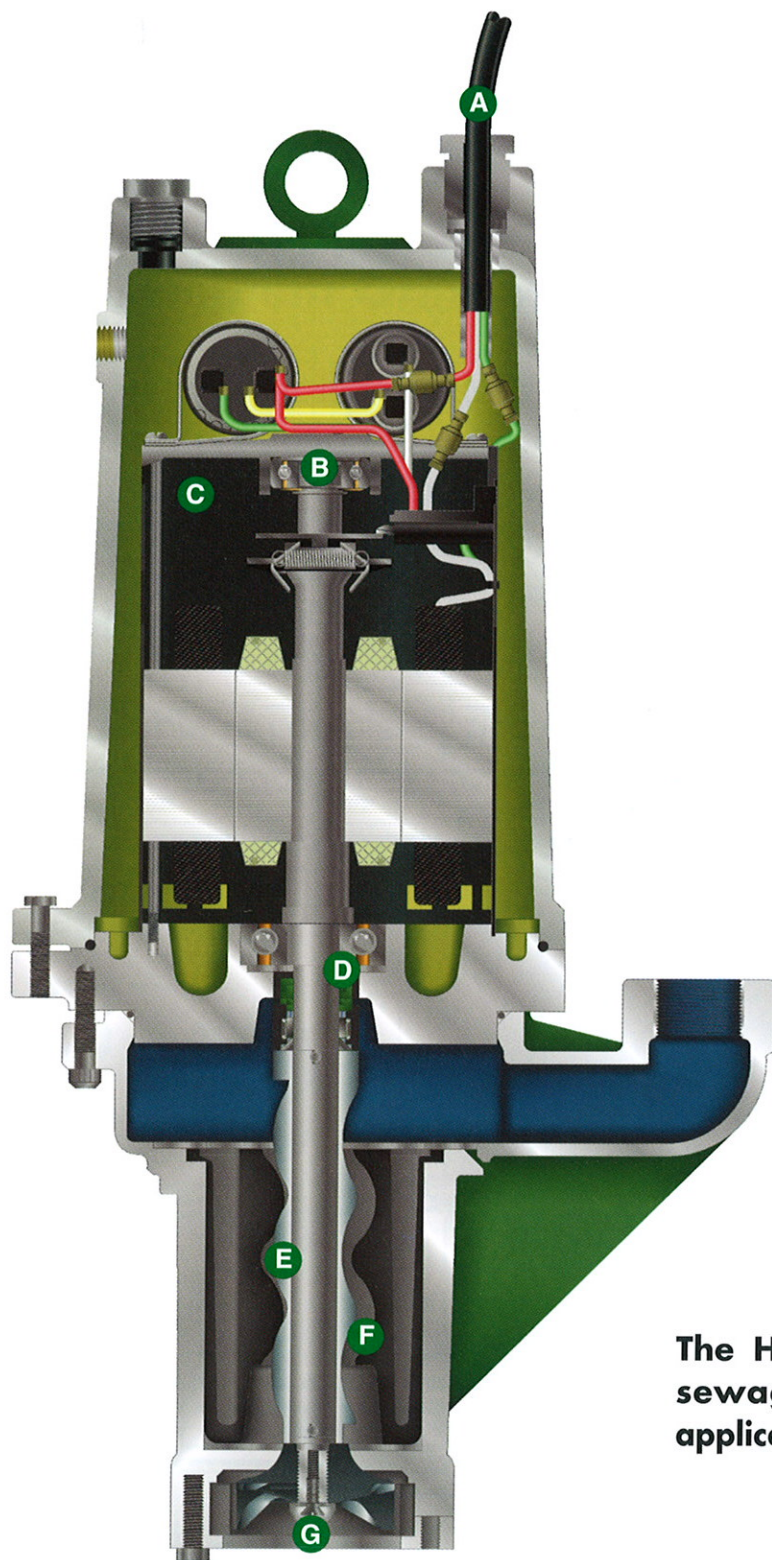


**HPD** **HYDROMATIC**<sup>®</sup>  
Pentair Pump Group



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## BENEFITS



- A. The water resistant power cord with molded plug is available in 20 foot lengths.
- B. The heavy duty ball bearings, upper (radial) and lower (thrust), are continuously lubricated by oil to ensure long service life.
- C. The oil-filled motor provides superior cooling and permanent lubrication of bearings, low maintenance and extended service life. The 2-HP capacitor start motors provide maximum starting torque. Motor windings contain automatic thermal overload protection.
- D. The mechanical seal is constructed with a ceramic stationary face and a carbon rotating face, and is field proven for long service life.
- E. 300 Series SST single lobe rotor.
- F. Stator Buna-N double helix stator.
- G. Grinding cutter design cuts solids to smallest particle size, thereby greatly reducing clogging, roping, or binding.

**The HPD200 is a completely submersible sewage grinder pump for residential applications.** Complete *packaged* systems also available.



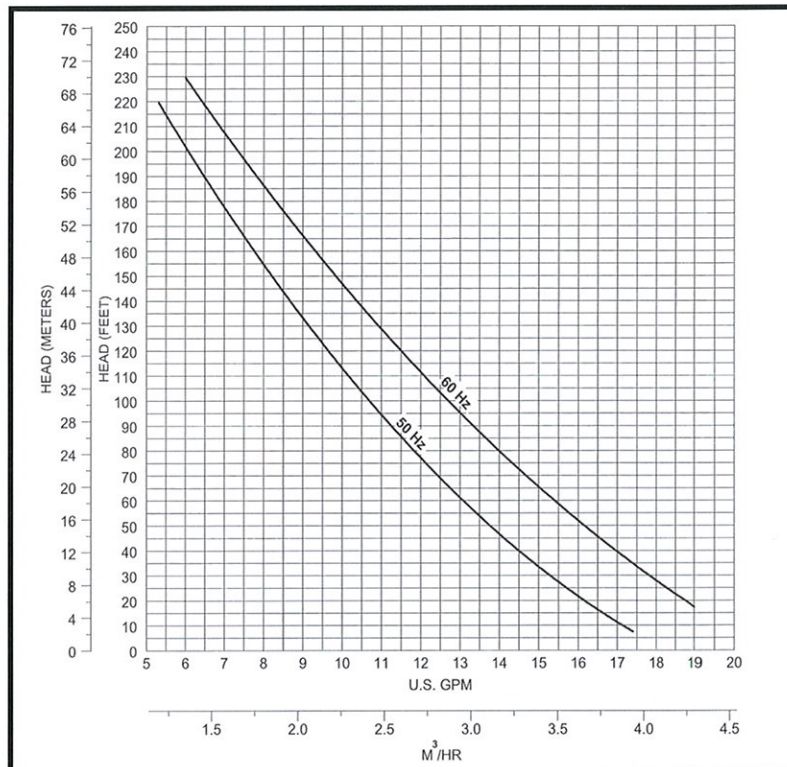
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## Details

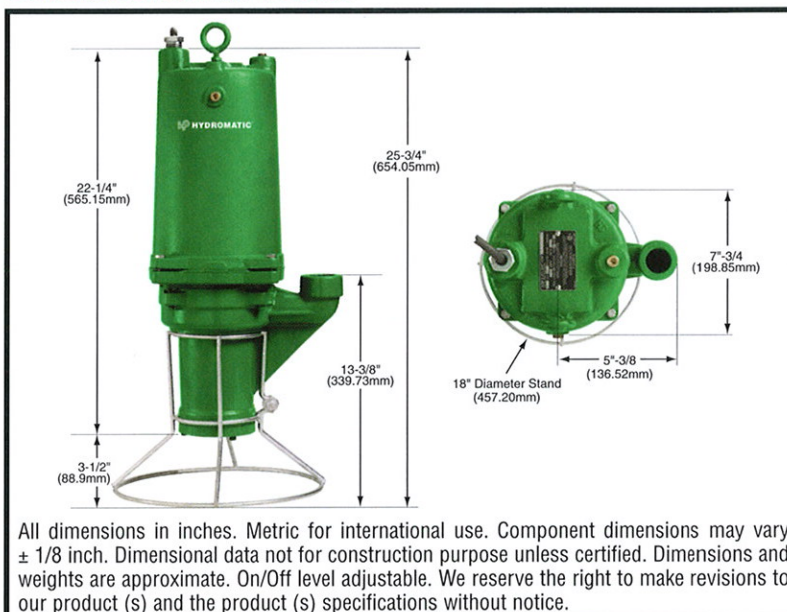
### Pump Characteristics

Pump/Motor Unit	Submersible-Grinder	
Hertz	60 Hz	50 Hz
Full Load Amps	12.0	8.0
RPM	1750	1460
Phase	1Ø	
Voltage	230	
Horsepower	2 HP	
Motor Type	Oil Cooled Induction Capacitor Start	
Temp.	140° F Ambient	
Operation	Intermittent	
Thermal Overload	Bi-Metallic	
Temperature	Max. Water 140°F	
NEMA Design	Type A	
Insulation	Class F	
Discharge Size	1-1/4" NPT	
Unit Weight	85 lbs.	
Power Cord	Type SJOW/SJOW-A Water Resistant 600 V, 60°C CSA Approved 20' Ft. Std.	

### Performance Data



### Dimensional Data



### Materials of Construction

Motor Housing	Cast Iron ASTM-48
Pump Casing	Cast Iron ASTM-48
Coolant/Lubricant	Dielectric Oil
Shaft	Stainless Steel
Mechanical	Seal Faces: Carbon/Ceramic Shaft Seal Seal Body: Stainless Steel Spring: Stainless Steel Bellows: Buna-N
Rotor	Buna-N, DBL Helix
Stator	300 Series SST, Single Lobe
Cutters	440C Hardened 55-60 Rockwell C
Upper Bearing	Single Ball Bearing
Lower Bearing	Single Ball Bearing
Fasteners	Stainless Steel

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