



MODEL HPD200

SUBMERSIBLE POSITIVE DISPLACEMENT GRINDER PUMP



HYDROMATIC MODEL HPD200 SUBMERSIBLE POSITIVE DISPLACEMENT GRINDER PUMP

COMPLETELY SUBMERSIBLE SEWAGE GRINDER PUMP FOR RESIDENTIAL APPLICATIONS

- ◆ 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

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. 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 173 feet in the 60 Hz model and capacities up to 17-1/2 gallons per minute and heads up to 173 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.



PUMP FEATURES

A. POWER CORD

The water resistant power cord is available in 20 foot lengths.

B. BEARINGS

The heavy duty ball bearings, upper (radial) and lower (thrust), are continuously lubricated by oil to ensure long service life.

C. MOTOR

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. MECHANICAL SEAL

Constructed with a ceramic stationary face and a carbon rotating face, and is field proven for long service life.

E. ROTOR

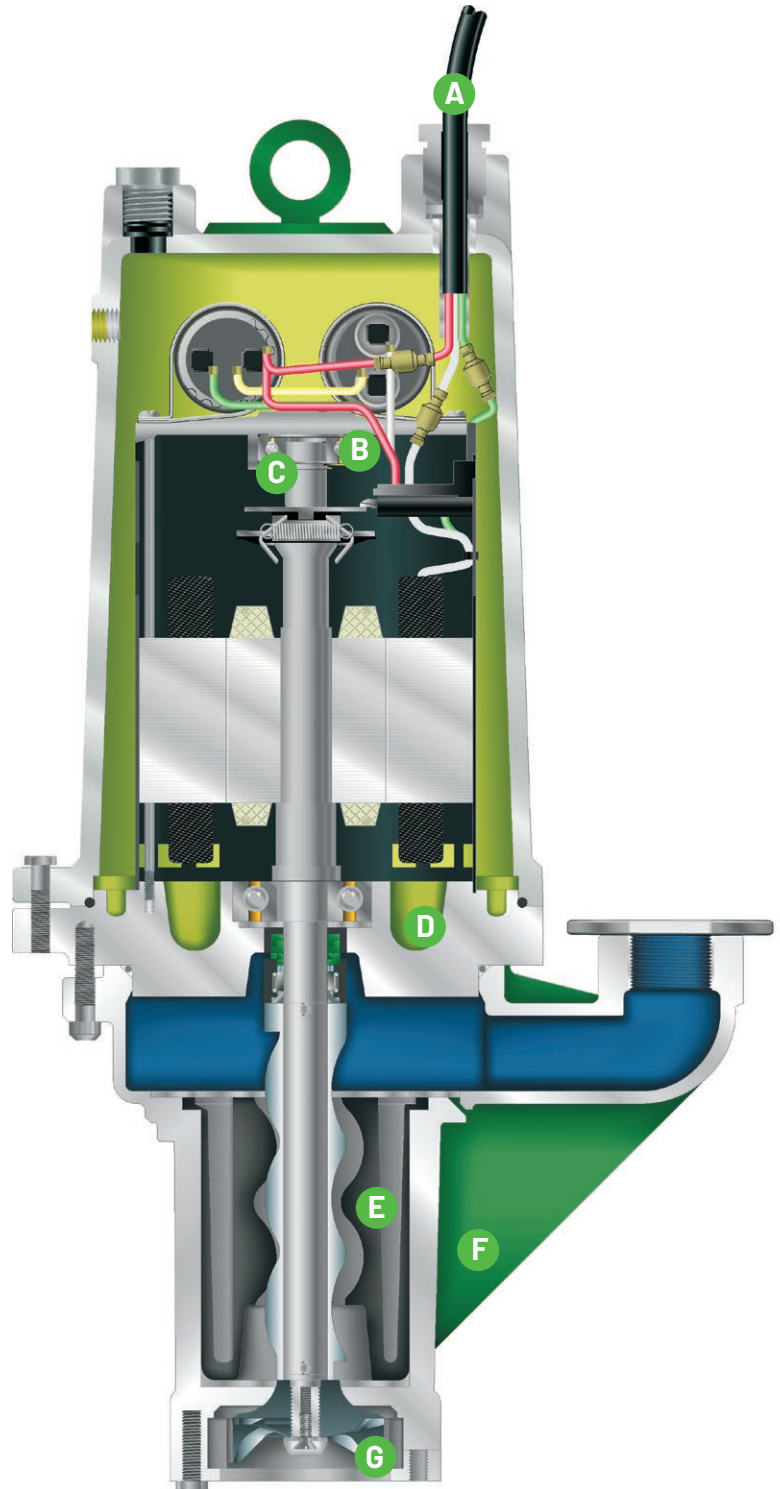
300 Series SST single lobe rotor

F. STATOR

Buna-N double helix stator

G. CUTTER

Grinding cutter design cuts solids to smallest particle size, thereby greatly reducing clogging, roping or binding.

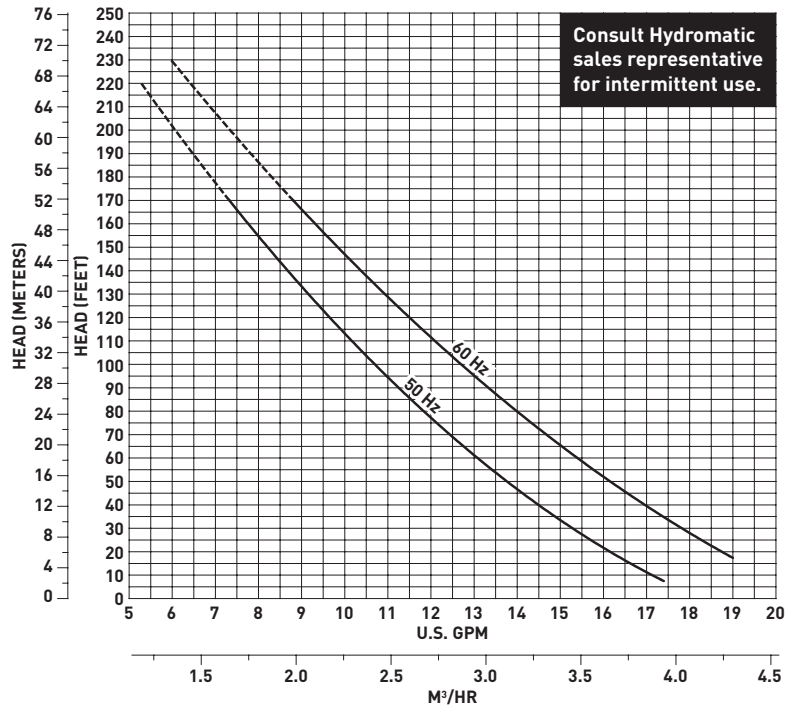


ENGINEERING & DIMENSIONAL DETAILS

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 Capacitor Start/Capacitor Run	
Temperature	140°F Ambient	
Operation	Intermittent	
Thermal Overload	Bi-Metallic	
Temperature	Maximum 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 600V, 60°C CSA Approved 20' Ft. Std.	

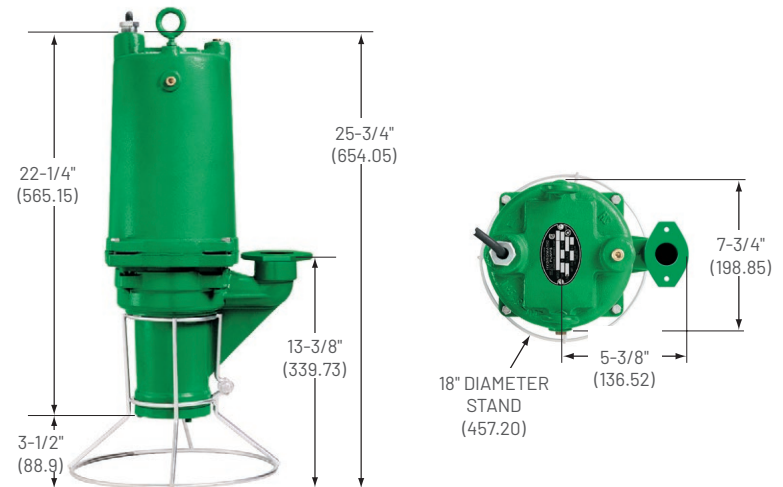
PERFORMANCE DATA



MATERIALS OF CONSTRUCTION

DESCRIPTION	MATERIAL 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
Stator	Buna-N, DBL Helix
Rotor	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

DIMENSIONAL DATA



All dimensions in inches (mm). Metric for international use. Component dimensions may vary $\pm 1/8$ inch. Dimensional data not for construction purpose unless certified. Dimensions and weights are approximate. On/Off level adjustable. We reserve the right to make revisions to our product(s) and the product specifications without notice.



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