



HYDROMATIC®

Pentair Water

SUBMERSIBLE SEWAGE GRINDER PUMP

Model HPG200

Applications:

- Commercial, Residential, Resort Area



HPG200 – Submersible Sewage Grinder Pump

CONSTRUCTION

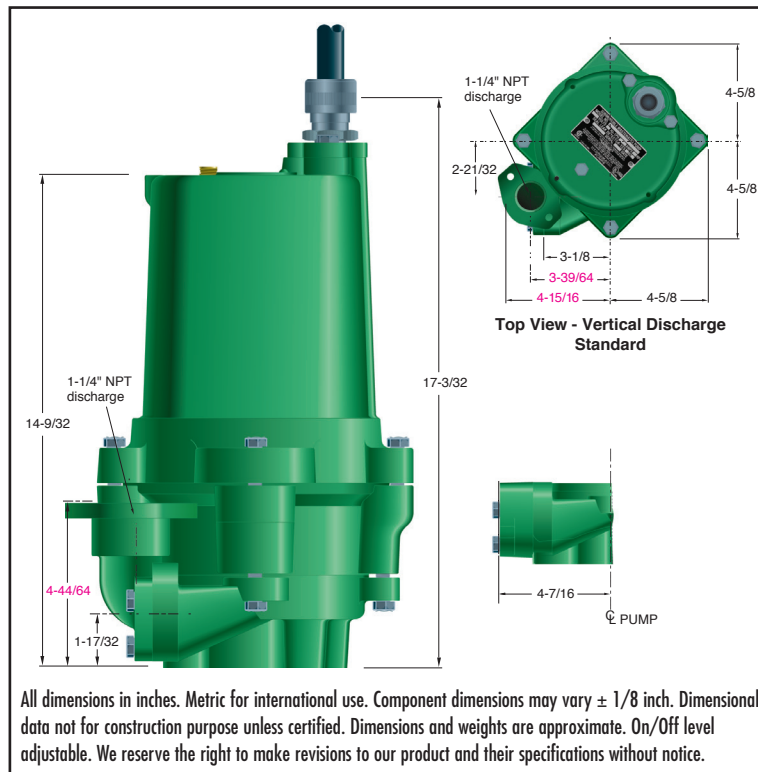
Materials of Construction

Motor Housing	Cast Iron ASTM-48
Pump Casing	Cast Iron ASTM-48
Coolant/Lubricant	Dielectric Oil
Shaft	416 Stainless Steel
Mechanical Shaft Seal	Dual: Carbon/Ceramic Type 21 BF1C1
Impeller	Valox (Bronze also available)
Cutters	440C Hardened 55-60 Rockwell C
Upper Bearing	Ball Radial 6203
Lower Bearing	Ball Thrust 6306
Fasteners	316 Stainless Steel

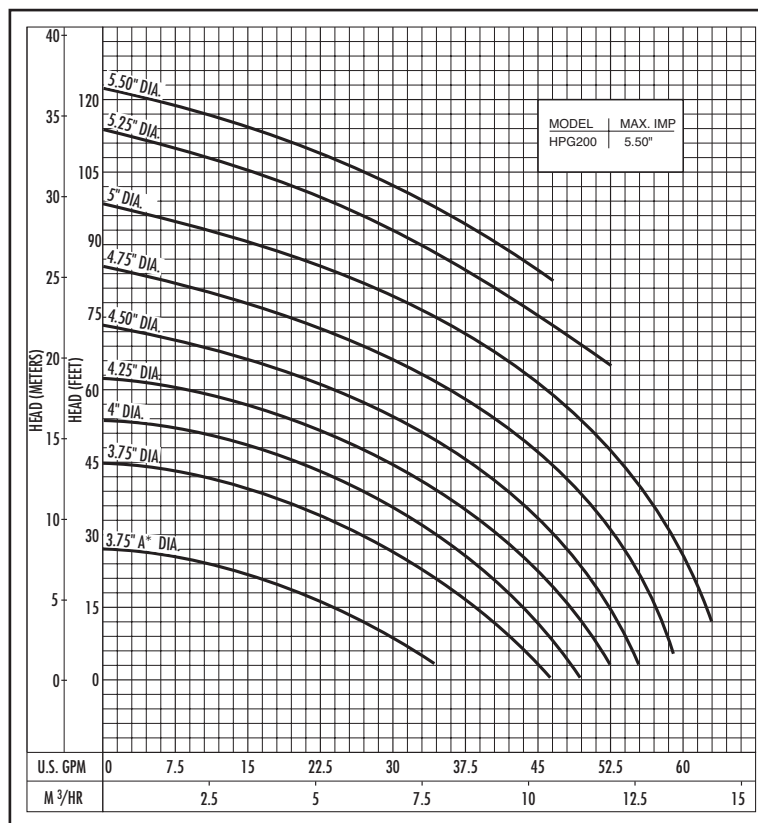
Pump Characteristics

Pump/Motor Unit	Submersible-Grinder	
Phase	1 Ø	3 Ø
Horsepower	2	2
200V FLA	19.9	9.5
230V FLA	15.6	8.3
460V FLA	N/A	4.6
575V FLA	N/A	3.3
Service Factor	1.2	
Motor Type	Oil Cooled Induction Capacitor Start	
R.P.M.	3450	
Temp. Stator	Max. Design 266° F (130°C)	
Operation	Intermittent	
Coolant Oil	Oil Flash Pt. 390° F	
Hertz	60 Hz	
Thermal Overload	Bi-Metallic	
Temperature	Max. Water 140° F	
NEMA Design	Type L (1 Ø)	Type B (3 Ø)
Insulation	Class F	
Discharge Size	1-1/4" NPT	
Unit Weight	82 lbs.	
Power Cord	Type SOOW/SOOW-A Water Resistant 600V, 60° C CSA/UL approved	

Dimensions

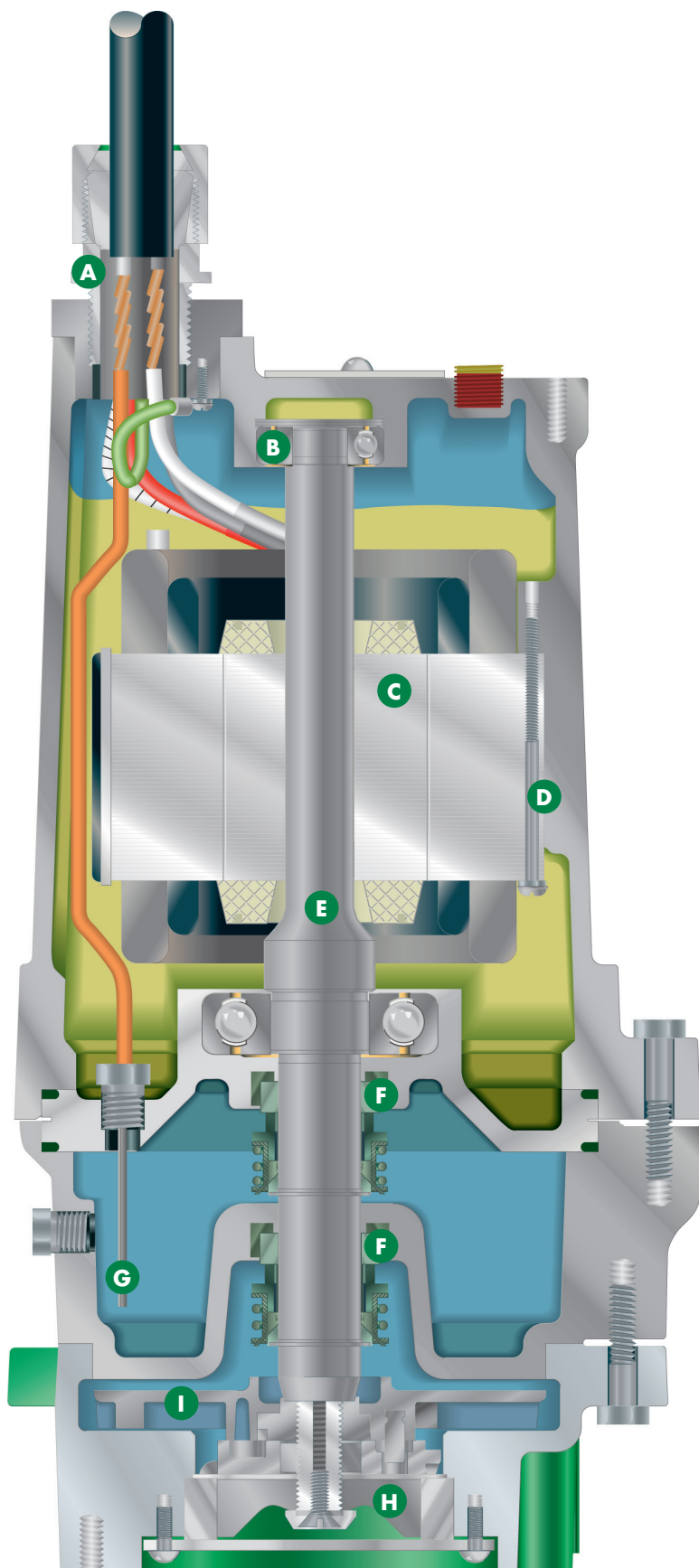


Performance Data



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A TWO BARRIER SEALS

One epoxy barrier and one compression fitting for maximum protection against wicking and water seepage into the motor housing.

B BEARINGS

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

C MOTOR

Electrical design combines the advantages of high torque output with optimum running efficiency engineered specifically for grinder operation.

D STATOR BOLTS

The stator is secured to the motor housing by means of stator bolts which ensure ease of maintenance if the need ever arises.

E SHAFT

Standard stainless steel shaft in grinder pump.

F DUAL SEALS

Dual seals for maximum moisture protection.

G MOISTURE PROBE

Moisture detection probe.

H CUTTERS

Exclusive "Dual Cutter" design cuts solids to smallest particle size thereby greatly reducing clogging, roping, or binding.

I IMPELLER

Engineered non-metallic semi-open impeller molded to a bronze insert for greatest torque driving capabilities. Impeller made of high strength Valox which provides highest level of corrosion resistance and maximum toughness from impact for a wide variety of slurry pumpage. Pump-out vanes preclude material build-up around shaft and seal. Bronze impeller available.

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NOTE: Hydromatic reserves the right to make revisions to its products and their specifications, and to this bulletin and related information, without notice.



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E-02-6700 05/11 © 2011 Pentair Pump Group, Inc.