

HYDROMATIC®

ENGINEERED PRODUCTS

HPG200

Submersible Sewage Grinder Pump

Applications:

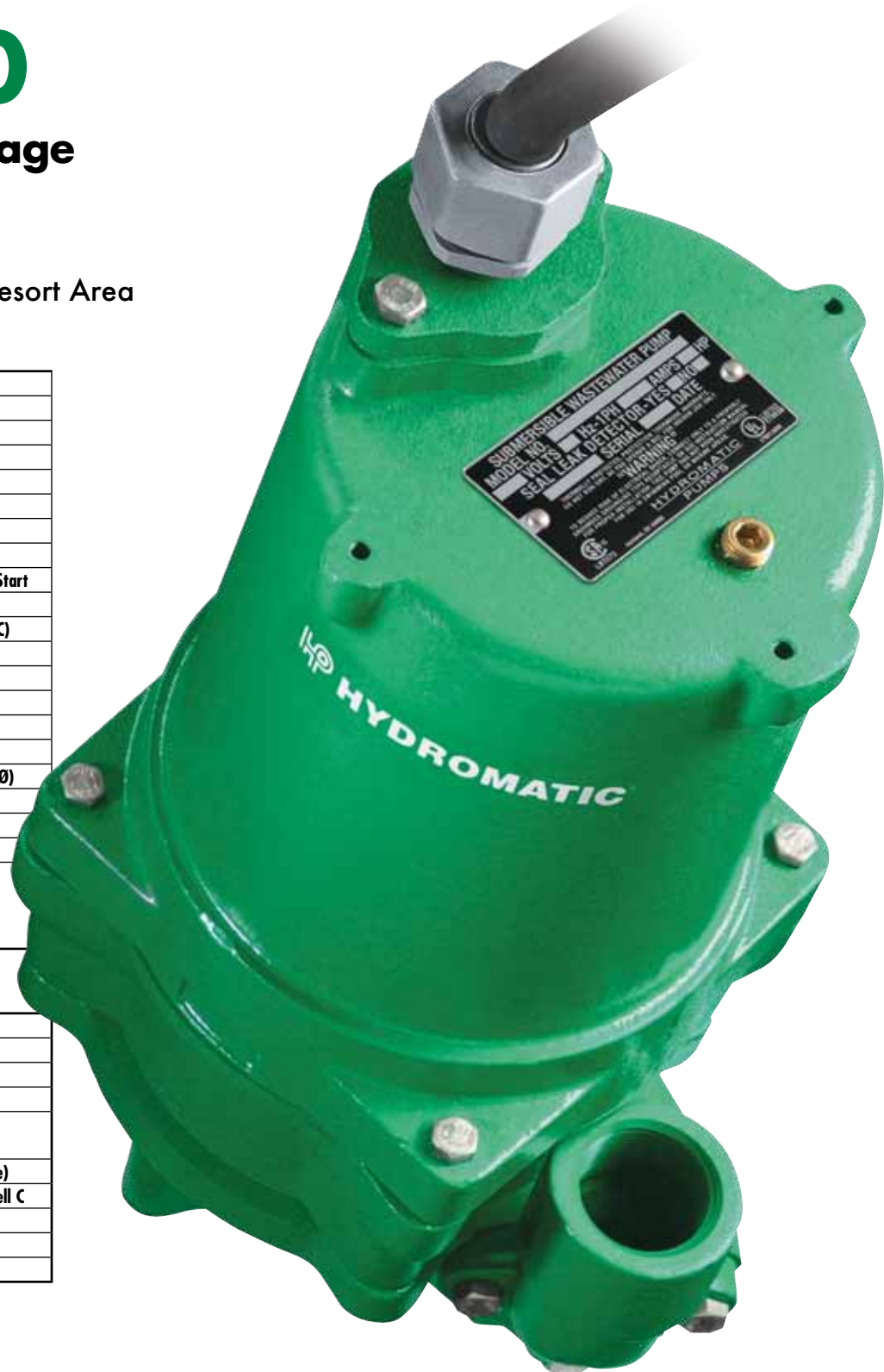
- Commercial, Residential, Resort Area

Pump Characteristics

Pump/Motor Unit	Submersible-Grinder	
Phase	1 Ø	3 Ø
Horsepower	2	2
200 V. FLA	16.3	9.5
230 V. FLA	15.6	8.3
460 V. FLA	N/A	4.1
575 V. 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 600 V, 60° C CSA/UL approved	

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



HPG200 - submersible sewage grinder pump

Details

TWO BARRIER SEAL

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

BEARINGS

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

MOTOR

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

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.

SHAFT

Standard stainless steel shaft in grinder pump.

DUAL SEALS

Dual seals for maximum moisture protection.

MOISTURE PROBE

Moisture detection probe.

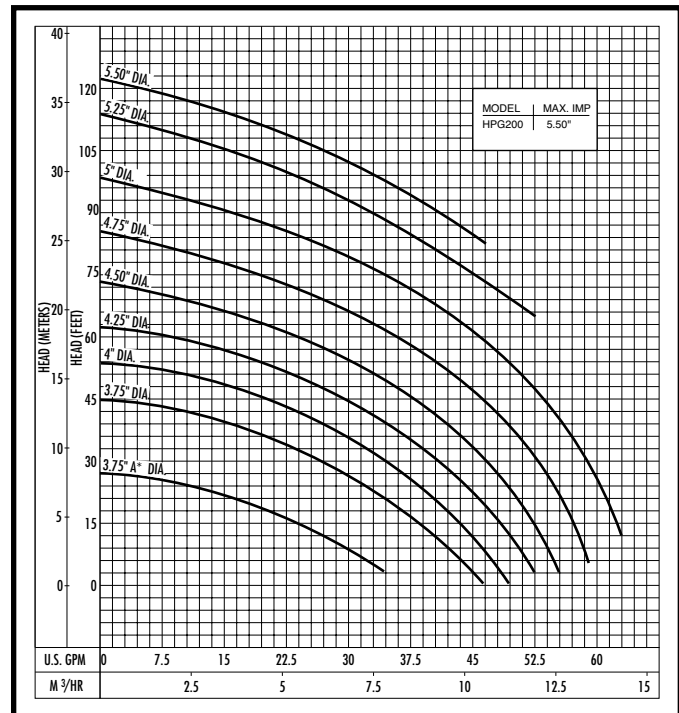
CUTTERS

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

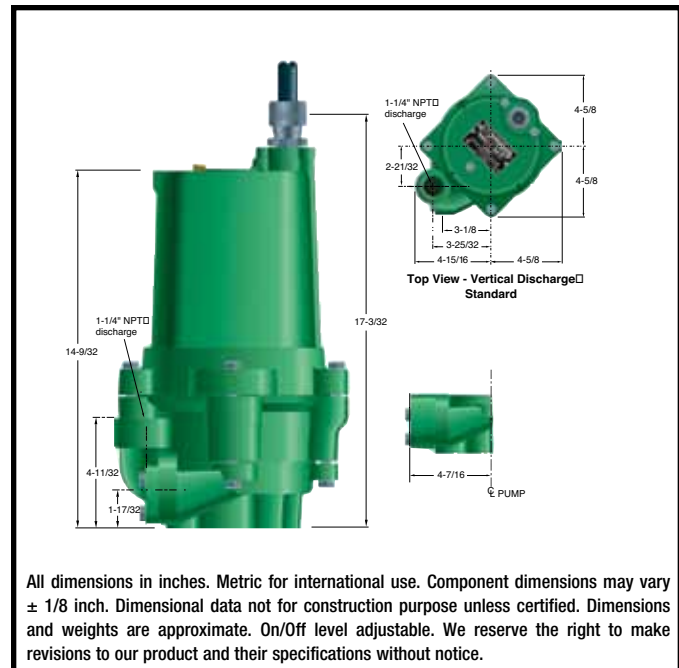
IMPELLER

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.

Performance Data



Dimensional Data



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