



HYDROMATIC®

Pentair Water

HAZARDOUS LOCATION SUBMERSIBLE SEWAGE GRINDER PUMP

Model HPGX200

Applications:

- Municipal, Commercial,
Residential, Resort Area



HPGX200 – Submersible Sewage Grinder Pump

CONSTRUCTION

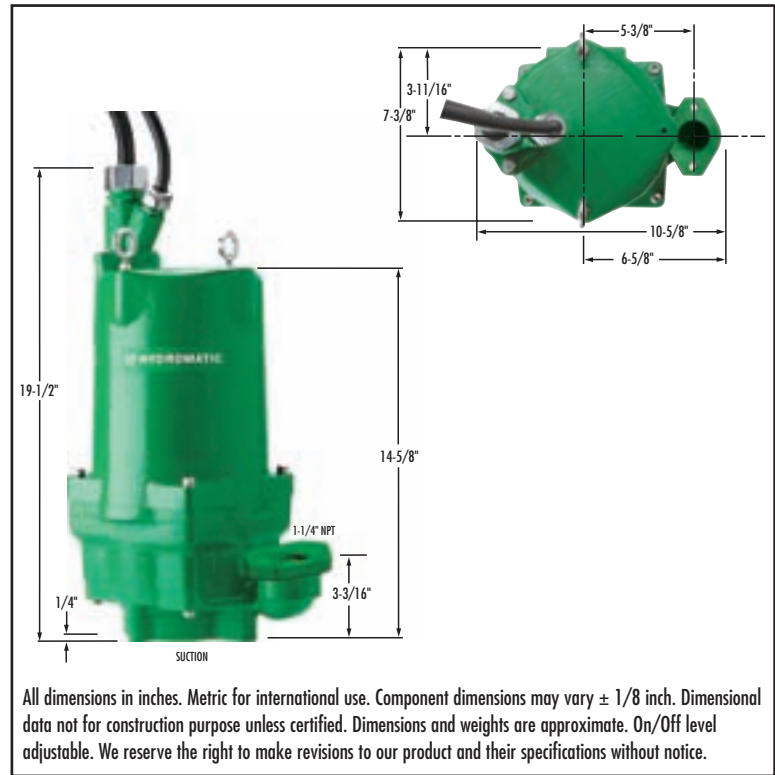
Materials of Construction

Motor Housing	Class 30
Pump Casing	Class 30
Coolant/Lubricant	Dielectric Oil
Shaft	416 Stainless Steel
Mechanical Shaft Seal	Seal Faces: Carbon/Ceramic Seal Body: Stainless Steel Spring: Stainless Steel Bellows: Buna-N
Impeller	Semiopen 5-Vane Brass
Cutters	440C Hardened 55-60 Rockwell C
Upper Bearing	(Radial) Single Row-Ball
Lower Bearing	(Thrust) Single Row-Ball and Sleeve
Fasteners	Stainless Steel

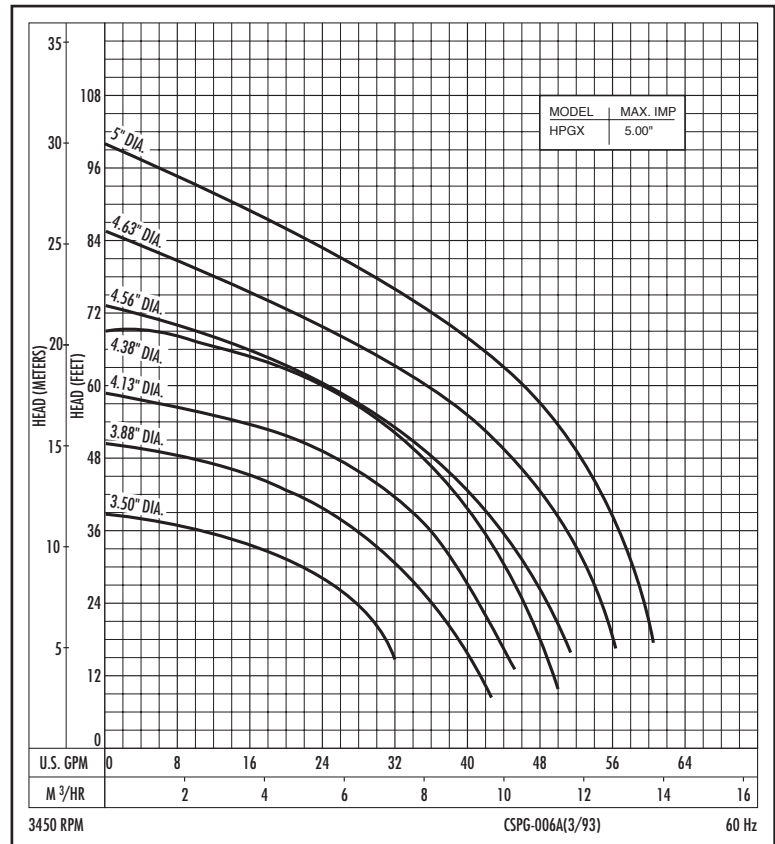
Pump Characteristics

Pump/Motor Unit	Submersible-Grinder	
Phase	1 Ø	3 Ø
Horsepower	2	2
208V FLA	16.1	8.2
230V FLA	15.6	7.7
460V FLA	N/A	3.9
575V FLA	N/A	2.9
Motor Type	Oil Cooled Induction	
R.P.M.	3450	
Temp.	140°F Ambient	
Operation	Intermittent	
Hertz	60 Hz	
Thermal Overload	Bimetallic	
Temperature	Max. Water 140°F	
NEMA Design	Type I (1 Ø)	Type B (3 Ø)
Insulation	Class F	
Discharge Size	1-1/4" NPT	
Unit Weight	105 lbs.	
Power Cord	Type STW/STW-A Water Resistant 600V, 60°C CSA Approved 35' Std., 50' Opt.	

Dimensions

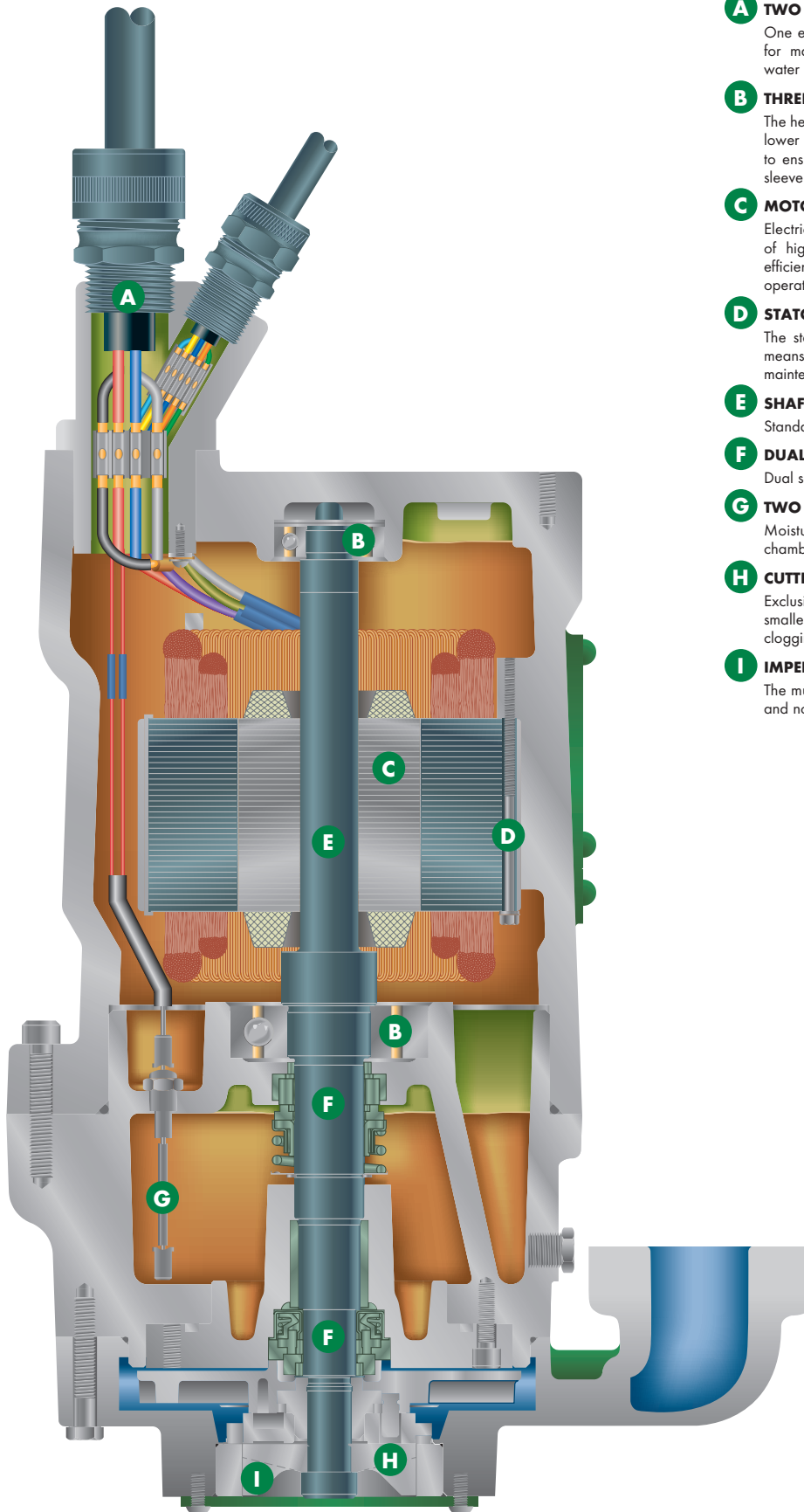


Performance Data



HPGX200 – Submersible Sewage Grinder Pump

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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 THREE BEARINGS SYSTEM

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

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 TWO MOISTURE PROBES

Moisture detection probe located in seal chamber.

H CUTTERS

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

I IMPELLER

The multivane, semiopen impeller is cast bronze and noncorrosive to provide long life.

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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-02-7120 04/11 © 2011 Pentair Pump Group, Inc.