



MODEL HPG(X)200

SUBMERSIBLE SEWAGE GRINDER PUMP

ALSO AVAILABLE FOR HAZARDOUS LOCATION



HYDROMATIC MODEL HPG(X)200 SUBMERSIBLE SEWAGE GRINDER PUMP

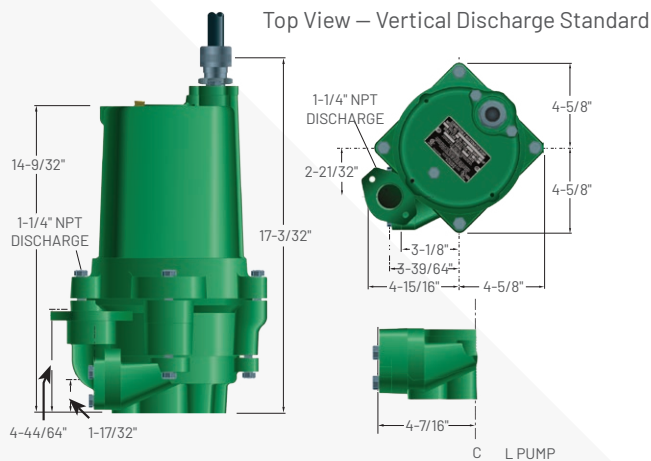
HPG200 PUMPS CHARACTERISTICS

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	
RPM	3450	
Temp. Stator	Maximum Design 266°F (130°C)	
Operation	Intermittent	
Coolant Oil	Oil Flash Pt. 390°F	
Hertz	60 Hz	
Thermal Overload	Bimetallic	
Temperature	Maximum 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 S00W/S00W-A, Water Resistant, 600V, 60°C, CSA/UL Approved	

HPG200 MATERIALS OF CONSTRUCTION

Description	Material 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 DIMENSIONAL DATA



All dimensions in inches. Metric for international use. Component dimensions may vary ± 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 and their specifications without notice.

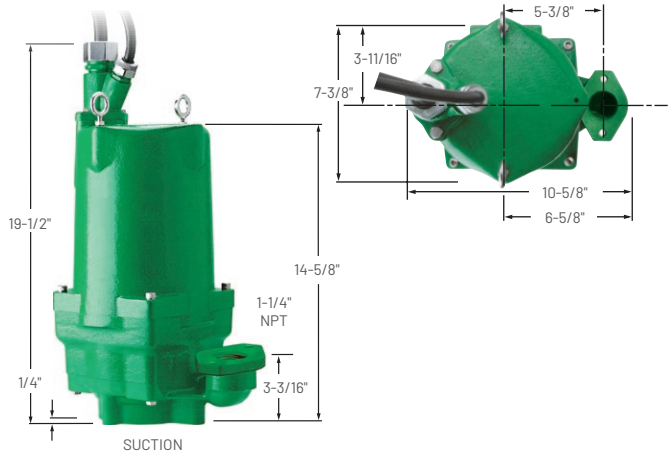
HPG(X)200 PUMPS CHARACTERISTICS

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	
RPM	3450	
Temperature	140°F Ambient	
Operation	Intermittent	
Hertz	60 Hz	
Thermal Overload	Bimetallic	
Temperature	Maximum Water 140°F	
NEMA Design	Type L (1 Ø)	Type B (3 Ø)
Insulation	Class F	
Discharge Size	1-1/4" NPT	
Unit Weight	105 lbs.	
Power Cord	S00W, W	

HPG(X)200 MATERIALS OF CONSTRUCTION

Description	Material 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	Semi-open 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

HPG(X)200 DIMENSIONAL DATA



HPG200 PUMP FEATURES

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

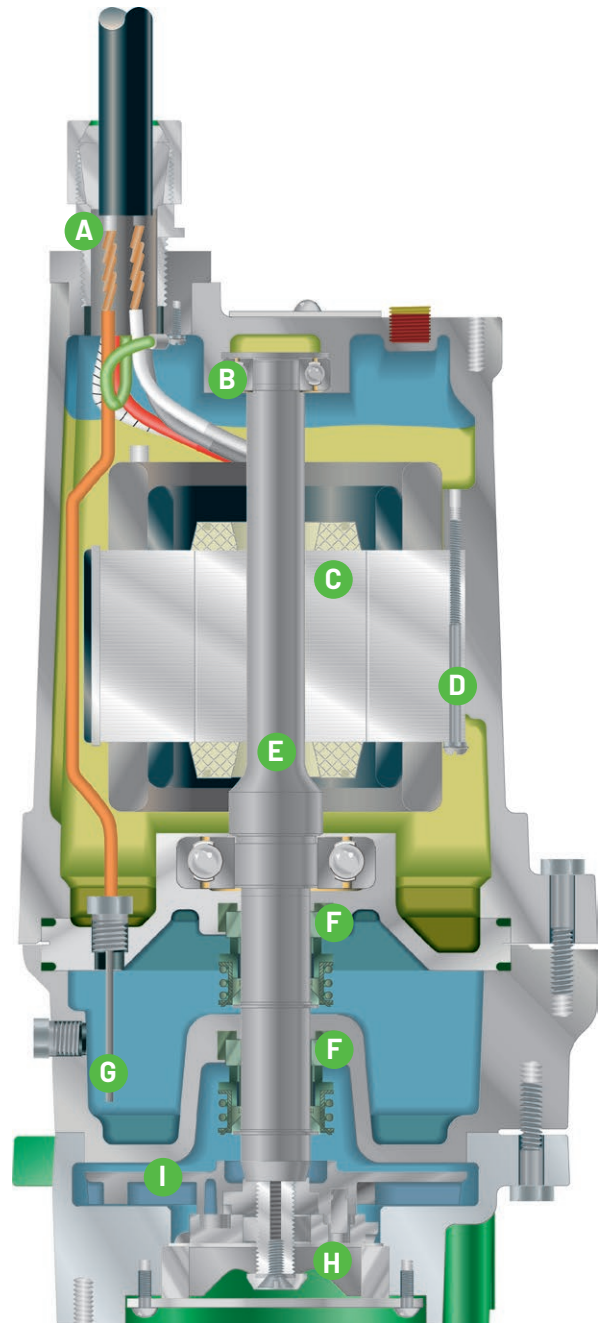
Moisture detection probe

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.



APPLICATIONS

Commercial, residential, resort area

HPG(X)200 PUMP FEATURES

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

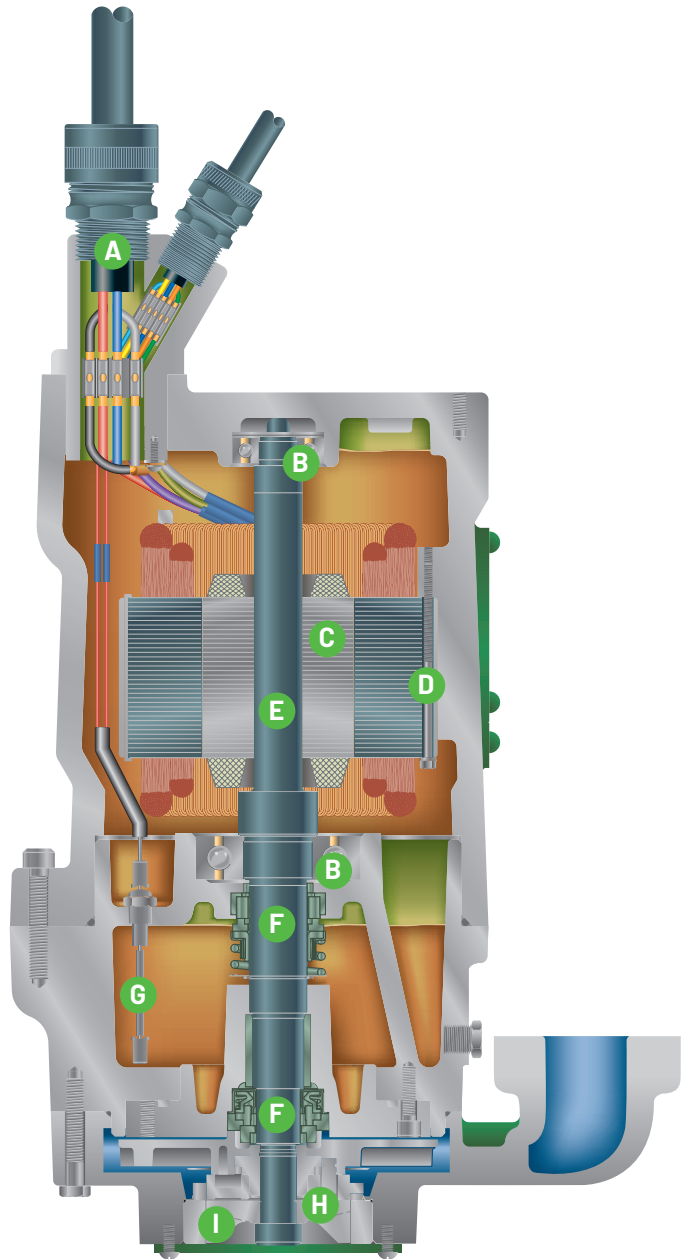
Moisture detection probe located in seal chamber

H. CUTTERS

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

I. IMPELLER

The multivane, semi-open impeller is cast bronze and noncorrosive to provide long life



APPLICATIONS

Municipal, commercial, residential, resort area



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