SUBMITTAL DATA SHEET

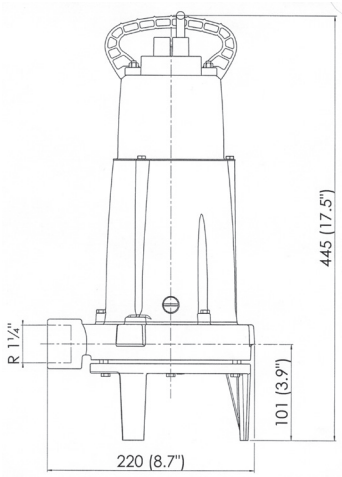
Waste Water

Effluent | Sewage Ejectors | Grinders

Grinder Pumps - 120912GRP



These submersible pumps have been designed for effective and economical dewatering tasks using discharge lines of small diameter in private, municipal and industrial areas. Grinder pumps are specially designed for private and domestic applications.



APPLICATIONS

- For sewage removal from living units and houses in scattered settlements where the laying of a conventional sewer would be too expensive, or where large ground undulations are present or where it is only possible to lay pipe lines of small diameter.
- For sewage removal from motorway resting sites, communal buildings and for renovation of buildings or parts of a city.
- For use in slaughter houses, food processing plants, paper factories, agriculture, and similar areas.

Medium Pumped

Fecal matter and heavily polluted sewage, max, medium temperature: continuous operation = 104ºF (40ºC) or if unit is submerged, short term to 140ºF (60ºC) (max. 5 min).

Construction

The water pressure tight encapsulated fully flood proof motor and the pump section form a compact robust unit construction.

Bearings

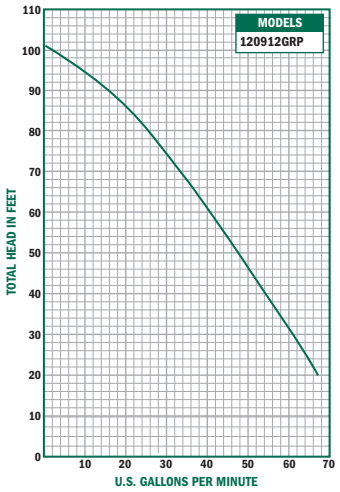
The motor shaft is supported in lubricated-for-life ball bearings.

Shaft sealing

Between motor and hydraulic section by means of high quality sealing unit using a silicon carbide mechanical seal, independent of direction of rotation and resistant to temperature shock, motor side: Lip seal oil lubricated.

Shredding System

Consists of spiral bottom plate with stationary cutter ring with cutting edges and a shredding rotor located before the impeller for optimum blockage-free running.



Materials of Construction

Motor Housing	Cast Iron GG-25
Rotor Shaft	Stainless Steel 1.4021 (AISI 420)
Volute, impeller	Cast Iron GG-25
Fasteners	Stainless Steel 1.4401 (AISI 316)

Grinder Specifications

Model Number	Voltage	HP	Phase	Hertz	Full Load Amps	Speed (RPM)	Discharge	Height	Cable Length (ft.)
120912GRP	230	2	1	60	13.51	3450	1 1/4" Vert NPT	51	32'

SUBMITTAL INFORMATION

- Unique shredding system capable of shredding cloths and plastic bags
- For the pumping of wastewater containing sewage, offal, organic and industrial effluent
- Low installation costs
- Advantage of small discharge lines from 1 1/4"
- Installations are possible where large ground undulations are present
- Do not need a control box as capacitor or relay in upper lid

NO-LEAD: The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter of one percent (0.25%) lead.

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A.Y. McDonald considers the information on this assembly drawing correct when published. Item and option availability, including specifications, are subject to change without notice.

Submitted by: