

## Cast Iron Grinder Pump

**SWG20001DBK | 2 HP | 50 GPM**

Designed to grind and pump sewage containing tough materials including disposable wipes, tissue paper, and sanitary napkins.

A cutter inside the inlet will grind materials into small particles. The powerful 2 HP motor and engineered cutting system reduces clogging risk and makes discharge smoother.

### Features:

- Vortex impeller reduces clogging, allowing pump to handle 2" solids
- Special stainless steel cutter with heavy abrasive resistance
- Reliable and durable double mechanical seal
- Internal disc overload protection protects pump from overheating or other mechanical fault
- High head enables moving water to far distance
- 230 volt, single phase, 3450 RPM, 15 AMPS

### Typical Applications

- Pressurized sewage treatment system
- Community sewage system
- Domestic wastewater
- Waste water and sewage discharge for paper mill, textile factory and food processing

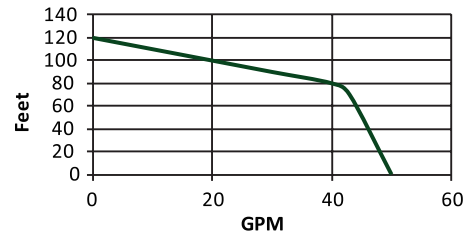


### Performance

|                    |          | Discharge Flow (GPM) |           |           |           |           |           |          |
|--------------------|----------|----------------------|-----------|-----------|-----------|-----------|-----------|----------|
| Model No.          | HP       | 0'                   | 70'       | 80'       | 90'       | 100'      | 110'      | 120'     |
| <b>SWG20001DBK</b> | <b>2</b> | <b>50</b>            | <b>43</b> | <b>40</b> | <b>30</b> | <b>20</b> | <b>10</b> | <b>0</b> |

| Application                                                    |                                       |
|----------------------------------------------------------------|---------------------------------------|
| Submersible grinder pumps for typical residential applications |                                       |
| Voltage                                                        | 230                                   |
| Hertz                                                          | 60                                    |
| Phase                                                          | Single                                |
| RPM                                                            | 3450RPM                               |
| Motor type                                                     | (CSCR)                                |
| Insulation                                                     | Class B                               |
| Circuit requirements                                           | 20 AMP                                |
| Duty rating                                                    | Continuous*                           |
| Shaft seal                                                     | Mechanical seal                       |
| Motor Shaft                                                    | Stainless steel                       |
| Upper motor bearing                                            | Ball bearing                          |
| Lower motor bearing                                            | Ball bearing                          |
| Cooling                                                        | Oil cooled                            |
| Motor protection                                               | Auto reset thermal overload protector |
| Pump Specifications                                            |                                       |
| Discharge size                                                 | 1-1/4"NPT                             |
| Cord Length                                                    | 20'                                   |
| Cord type                                                      | SJOW 14AWG/3C, UL list                |
| Pump Housing                                                   | Cast iron                             |
| Pump Base                                                      | Cast iron                             |
| Impeller material                                              | Cast iron                             |
| Gasket                                                         | Rubber                                |
| Solids handling                                                | 2" solid                              |
| Liquid temp.range                                              | 32-104°F                              |
| Operation                                                      | Non-automatic                         |
| Fasteners                                                      | Stainless steel                       |
| Maximum flow rate                                              | 50 GPM                                |
| Maximum head                                                   | 120 ft                                |
| Max pressure                                                   | 51 psi                                |

## Performance



| Model       | HP | Amps | Discharge Height(ft) | 0  | 70 | 80 | 90 | 100 | 110 | 120 |
|-------------|----|------|----------------------|----|----|----|----|-----|-----|-----|
| SWG20001DBK | 2  | 15   | GPM                  | 50 | 43 | 40 | 30 | 20  | 10  | 0   |

## Dimensions

