

# Dayton Grinder Pumps



## PUMPS technical data sheet

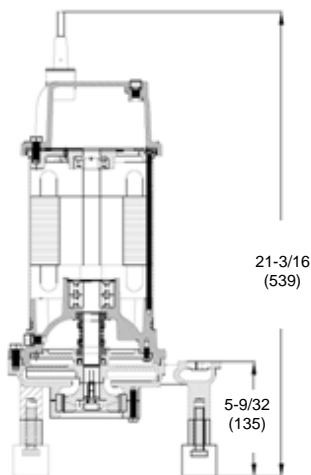
Submersible Grinder pumps are designed to remove raw sewage wastewater from residential or commercial applications. Grinder pumps macerate solids contained in normal sewage or waste into fine slurry that can be pumped through small diameter piping to a sewage collection / treatment system for final processing. Grinder pumps can lift sewage to high elevations for pressure sewer applications.



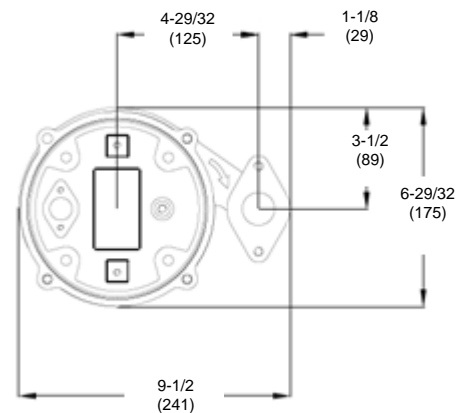
**11A344**  
**1½ HP, Stainless Steel**  
**Submersible Grinder Pump**

|                   |  |
|-------------------|--|
| <b>HP</b>         | 1.5  |
| <b>Voltage</b>    | 230V   |
| <b>Phase</b>      | Single   |
| <b>Frequency</b>  | 60 Hz  |
| <b>Run Amps</b>   | 9A   |
| <b>Start Amps</b> | 30A  |
| <b>RPM</b>        | 3450   |
| <b>Motor Type</b> | Cap Start/Cap Run Oil-filled with Class B insulation |

|                                   |   |
|-----------------------------------|---|
| <b>Overload Protection</b>        | Internal Thermal Overload   |
| <b>Motor Shaft Material</b>       | 410 Stainless Steel   |
| <b>Motor Housing Material</b>     | Cast Iron and 304 Stainless Steel                                   |
| <b>Motor Duty</b>                 | Continuous  |
| <b>Motor End Bearing</b>          | Single Row Ball   |
| <b>Pump End Bearing</b>           | Single Row Ball   |
| <b>Lubrication</b>                | Oil Lubricated  |
| <b>Discharge</b>                  | 1-1/4 Inch FNPT, Flanged, Vertical                                  |
| <b>Volute Material</b>            | Cast Iron   |
| <b>Base Material</b>              | Cast Iron   |
| <b>Impeller Type</b>              | Open Vortex   |
| <b>Impeller Material</b>          | Ductile Iron  |
| <b>Hardware Material</b>          | Stainless Steel   |
| <b>Cutter and Ring</b>            | HRC 58 Chrome Steel   |
| <b>O-rings</b>                    | Buna-N  |
| <b>Seal Type</b>                  | Dual Mechanical   |
| <b>Seal Materials</b>             | Carbon Ceramic/ Buna-N<br>Silicon Carbide/Silicon Carbide<br>Buna-N |
| <b>Operation</b>                  | Manual  |
| <b>Power Cord</b>                 | 14/3 SJTW, 15' (4.6m), Stripped Leads                               |
| <b>Max. Solids Handling</b>       | 3" (76mm) spherical   |
| <b>Max. Water Temperature</b>     | 104°F (40°C)  |
| <b>Designed Fluid Environment</b> | Water / Sewage Wastewater   |



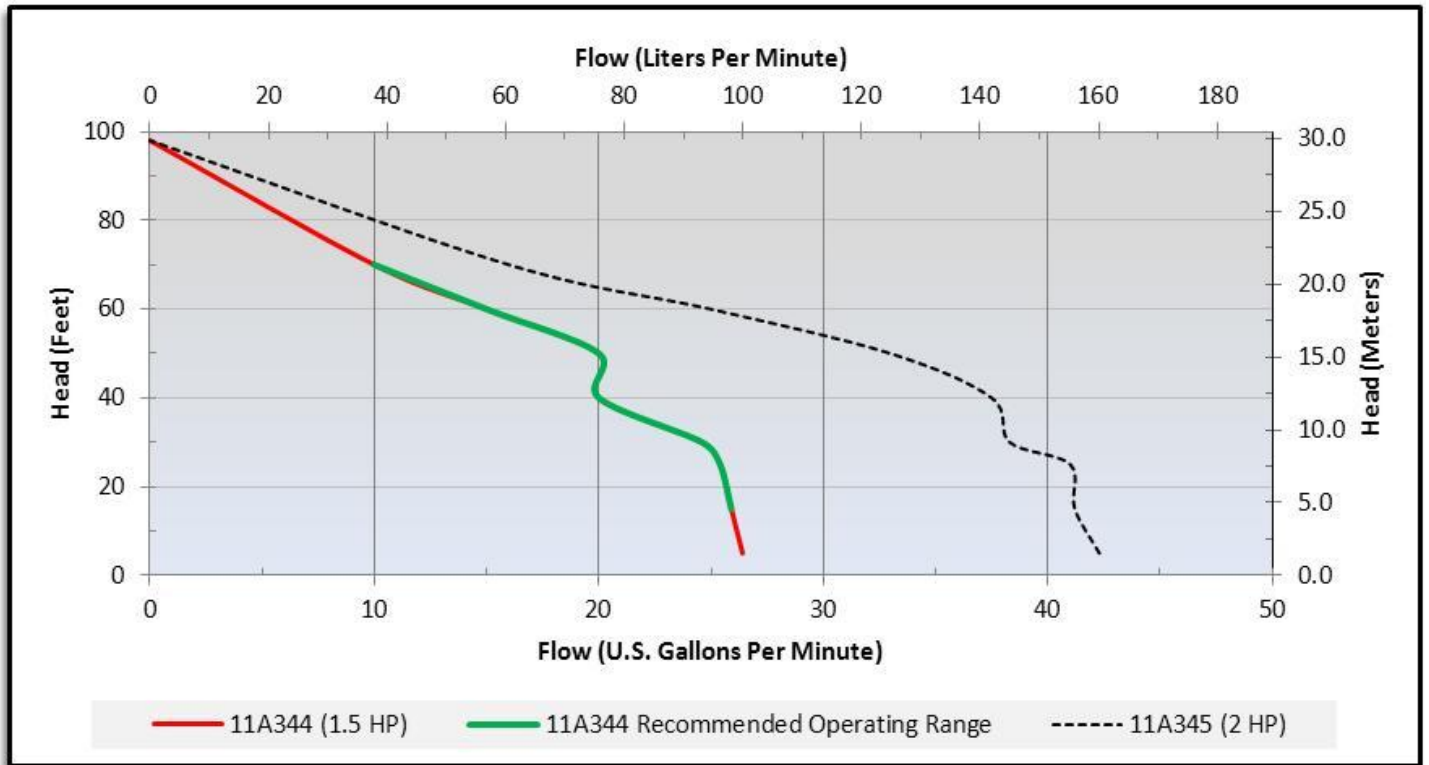
### Outline Dimensions



## Performance Data

|           |        |      |      |      |      |      |      |      |      |      |
|-----------|--------|------|------|------|------|------|------|------|------|------|
| Head      | Feet   | 5    | 15   | 25   | 30   | 40   | 50   | 60   | 70   | 98   |
|           | Meters | 1.5  | 4.6  | 7.6  | 9.1  | 12.2 | 15.2 | 18.3 | 21.3 | 29.9 |
| Flow Rate | GPM    | 26.4 | 25.9 | 25.4 | 24.6 | 20   | 20   | 15   | 10   | 0    |
|           | LPM    | 100  | 98   | 96   | 93   | 76   | 76   | 57   | 38   | 0    |

## Performance Chart



**WARNING:** Use only with nonflammable liquids compatible with pump component materials and in nonflammable/nonexplosive atmospheres.

Call or visit your local branch or go to [grainger.com/dayton](http://grainger.com/dayton) for complete product line information

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