

# 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.

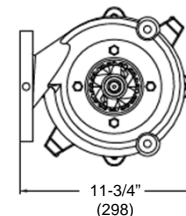
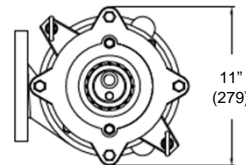
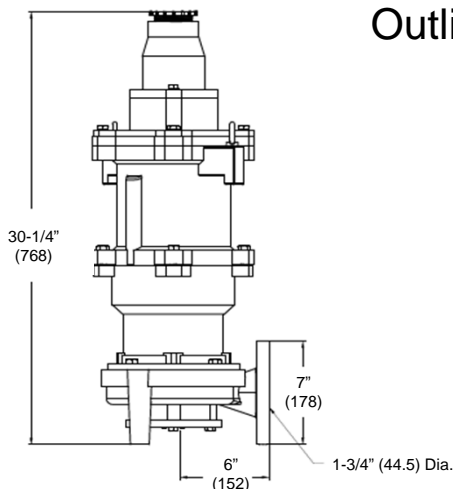


### 12T649 5 HP, Cast Iron Submersible Grinder Pump

<b>HP</b>	5
<b>Voltage</b>	230V
<b>Phase</b>	3
<b>Frequency</b>	60 Hz
<b>Run Amps</b>	20.7A
<b>Start Amps</b>	110A
<b>RPM</b>	3450

<b>Motor Type</b>	3-phase Oil-filled with Class H insulation
<b>Overload Protection</b>	None - Requires Control Panel
<b>Motor Shaft Material</b>	Stainless Steel
<b>Motor Housing Material</b>	Cast Iron
<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>	2-1/2 Inch Flanged, Horizontal
<b>Volute Material</b>	Cast Iron
<b>Base Material</b>	Cast Iron
<b>Impeller Type</b>	Open Vortex
<b>Impeller Material</b>	Brass
<b>Hardware Material</b>	Stainless Steel
<b>Cutter and Ring</b>	440C Stainless Steel
<b>O-rings</b>	Buna-N
<b>Seal Type</b>	Dual Mechanical
<b>Seal Materials</b>	Silicon Carbide/Ceramic/Buna-N
<b>Operation</b>	Manual Operation
<b>Power Cord</b>	12/4 SOW, 20' (6.1m), Stripped Leads
<b>Max. Water Temperature</b>	140°F (60°C) Intermittent 104°F (40°C) Continuous
<b>Designed Fluid Environment</b>	Water / Sewage Wastewater

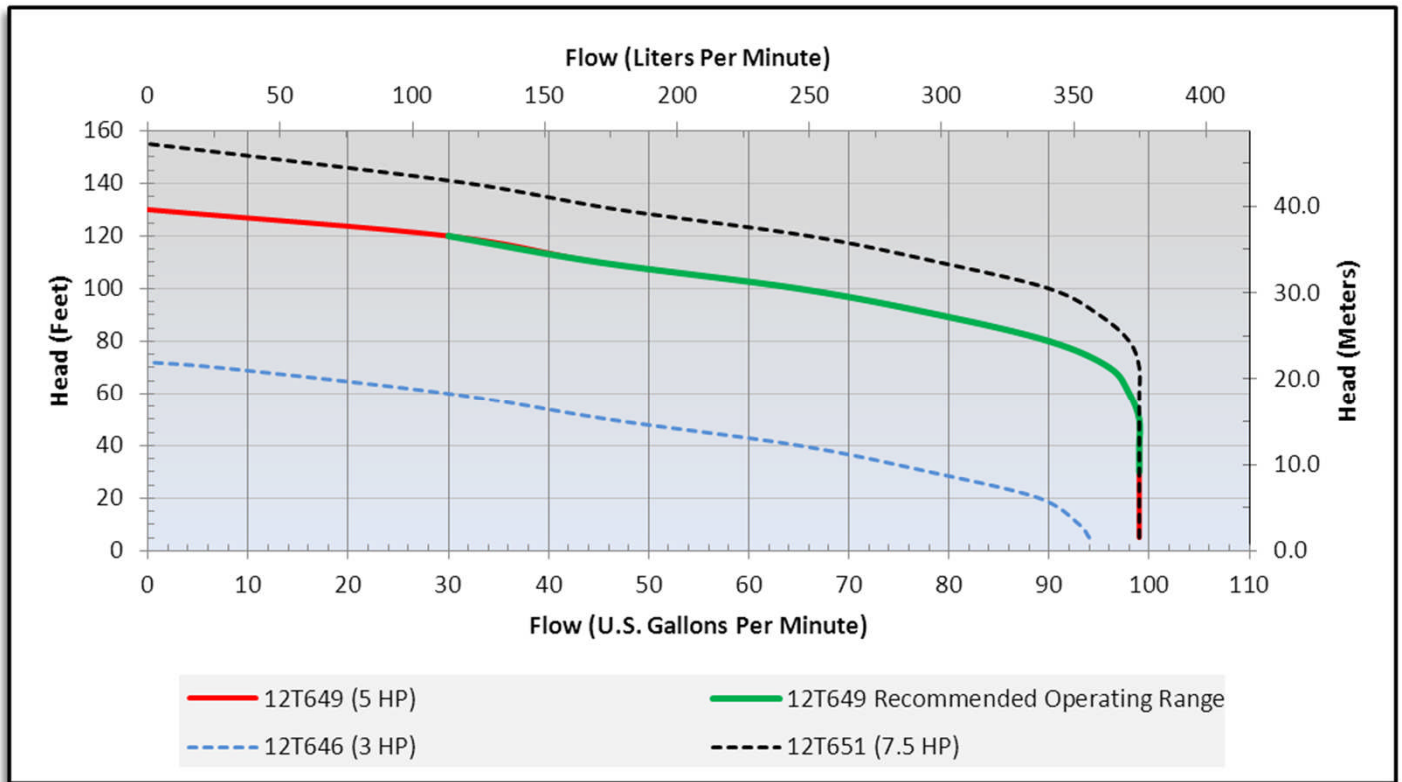
### Outline Dimensions



## Performance Data

<b>Head</b>	Feet	5	10	30	50	70	90	110	130
	Meters	1.5	3.0	9.1	15.2	21.3	27.4	33.5	39.6
<b>Flow Rate</b>	GPM	99	99	99	99	96	79	45	0
	LPM	375	375	375	375	363	299	170	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  
[www.grainger.com/daytonpumps](http://www.grainger.com/daytonpumps)  
 for complete product line information



Exclusively from Grainger.