Dayton Grinder Pumps

**PUMPS** technical data sheet

Dayton®

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.


3BB98
2 HP, Cast Iron
Submersible Grinder Pump

HP	2
Voltage	230/460V
Phase	3
Frequency	60 Hz
Run Amps	9/4A
Start Amps	36.0/18.0A
RPM	3450
Motor Type	NEMA B – 3-Phase, Oil Filled, Induction

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Overload Protection	None - Requires Control Panel
Motor Shaft Material	Stainless Steel
Motor Housing Material	Cast Iron
Motor Duty	Continuous
Motor End Bearing	Single Row Ball
Pump End Bearing	Single Row Ball
Lubrication	Oil Lubricated
Discharge	1-1/4 Inch FNPT, Flanged, Vertical
Volute Material	Cast Iron
Base Material	Cast Iron
Impeller Type	Open Vortex
Impeller Material	Cast Iron
Hardware Material	Stainless Steel
Cutter and Ring	Hardened Rockwell C-55440 Stainless Steel
O-rings	Buna-N
Seal Type	Single Mechanical
Seal Materials	Silicon Carbide/Silicon Carbide/Buna N
Operation	Manual
Power Cord	14/4 SOOW, 20' (6.1m), Stripped Leads
Max. Water Temperature	77°F (25°C)
Designed Fluid Environment	Water / Sewage Wastewater
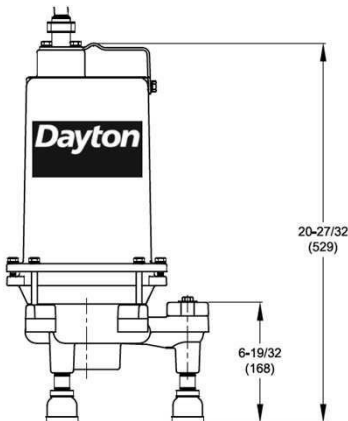
Outline Dimensions
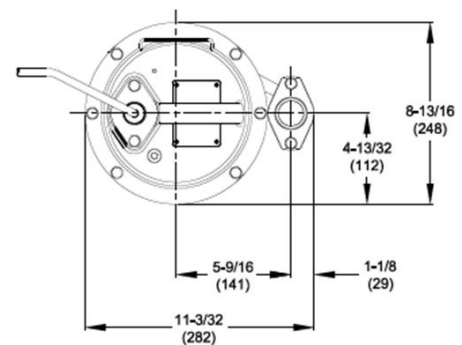
Performance Data

Head		Feet	10	20	30	40	50	60	70	80	90	100
		Meters	3.1	6.1	9.1	12.2	15.2	18.3	21.3	24.4	27.4	30.5
Flow Rate		GPM	58	58	57	57	56.5	55	48	40	28	2
		LPM	220	220	216	216	214	208	182	151	106	8

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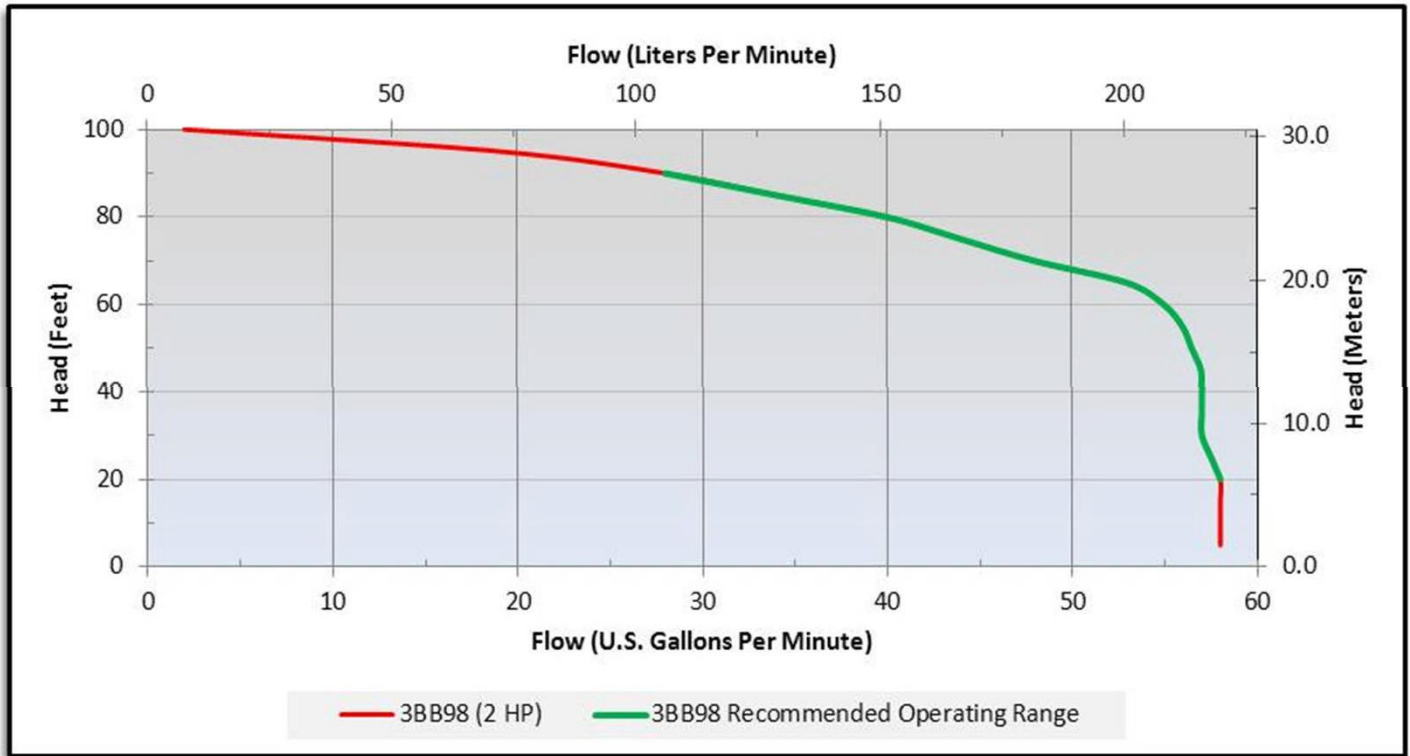
WARNING: Use only with nonflammable liquids compatible with pump component materials and in nonflammable/nonexplosive atmospheres.