Dayton Submersible Effluent Pumps

PUMPS technical data sheet

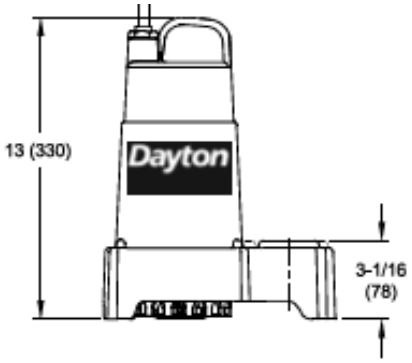
Submersible Effluent Pumps are designed for wastewater transfer or removal. These pumps remove pretreated liquid waste discharge from an onsite sewage treatment system such as a septic tank. Effluent pumps typically operate intermittently and automatically with a float switch and can accommodate solids up to 3/4” in diameter.

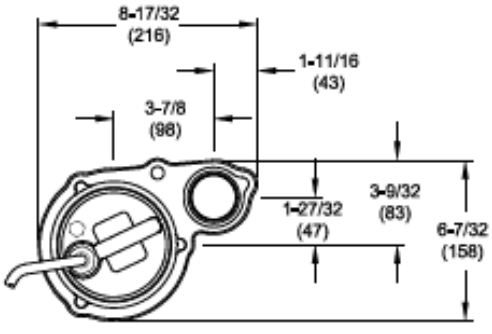
4HU74
½ HP, Cast Iron
Submersible Effluent Pump

HP	1/2
Voltage	240V
Phase	Single
Frequency	60 Hz
Run Amps	4.3A
Start Amps	9.1A
RPM	3450
Motor Type	PSC Oil-filled with Class B insulation
Overload Protection	Internal Thermal Overload

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	1-1/2 Inch FNPT, Vertical
Volute Material	Cast Iron
Base Material	Thermoplastic
Impeller Type	Open Vortex
Impeller Material	Cast Iron
Hardware Material	Stainless Steel
O-rings	Buna-N
Seal Type	Single Mechanical
Seal Materials	Silicon Carbide/Silicon Carbide/Buna N
Operation	Automatic / Tethered Switch
Power Cord	14/3 SJTOW, 20’ (6.1m), NEMA 6-15P 240V Plug
Max. Solids Handling	3/4” (1.9cm) spherical
Max. Water Temperature	104°F (40°C)
Designed Fluid Environment	Water / Wastewater / Effluent
Switch Type	Tether
Switch Cord	20’ (6.1m) SJOW Power Cord
Switch Plug	NEMA 6-15P Piggyback Plug
Switch Max. Run Amps	8A
Switch Max. Start Amps	60A
Switch Pumping Range	On at 13.25” (337mm) Off at 4.25” (108mm)

Outline Dimensions

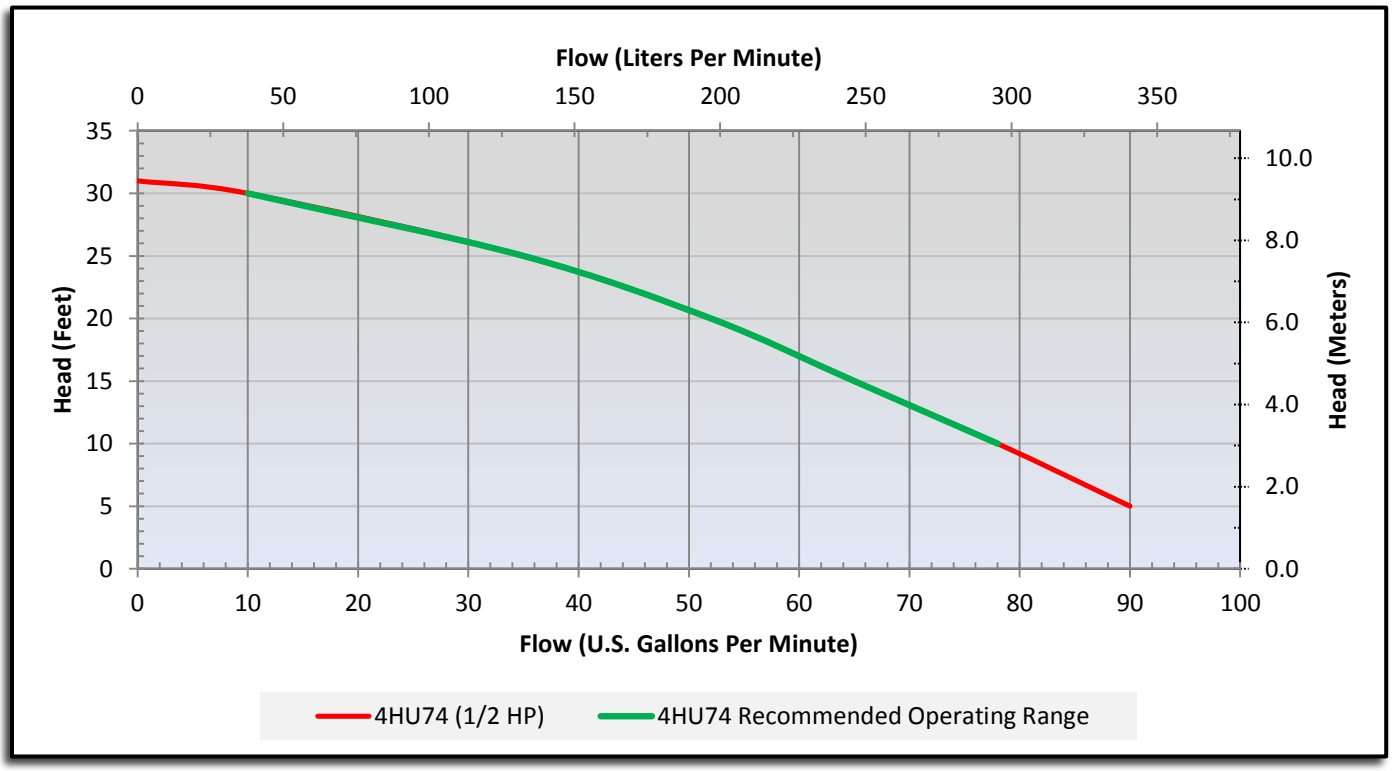




Performance Data

Head	Feet	5	10	15	20	25	30	31
	Meters	1.5	3.0	4.6	6.1	7.6	9.1	9.4
Flow Rate	GPM	90	78	65	52	35	10	0
	LPM	341	295	246	197	132	38	0

Performance Chart



WARNING: Use only with nonflammable liquids compatible with pump component materials and in nonflammable/non-explosive atmospheres.

Call or visit your local branch or go to **grainger.com/dayton** for complete product line information

Find it at Grainger.