



# high head multi-stage submersible effluent pumps

**NOW AVAILABLE:**

- Higher HP
- Higher GPM
- Longer Cords



*The STEP Plus® 4" submersible filtered effluent pumps in 10, 20, 30 and 50 GPM models offer dependable performance and value for high pressure filtered effluent applications.*

*These STEP Plus pumps will handle "dry run" conditions where other manufacturers fail.*

*The 10, 20, 30 and 50 GPM are industry standard 3-3/4" in diameter.*

### APPLICATIONS

- **Filtered Effluent...** for residential, commercial, and agricultural use.

### SPECIFICATIONS

**Shell** – Stainless steel

**Discharge** – 10, 20 and 30 GPM models: fiberglass-reinforced thermoplastic; 50 GPM models: stainless steel

**Discharge Bearing** – Nylatron®

**Impellers** – Delrin®

**Diffusers** – Polycarbonate

**Suction Caps** – Polycarbonate with stainless steel wear ring

**Thrust Pads** – Proprietary spec.

**Shaft and coupling** – Stainless steel 300 grade

**Intake** – Fiberglass-reinforced thermoplastic

**Intake Screen** – Polypropylene

**Jacketed Cord** – 300 Volt "SOOW" jacketed 10' leads (2-wire with ground); optional 20', 30', 50' and 100' lengths available

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## STEP Plus®

### STA-RITE EFFLUENT PUMP

### FEATURES

#### Proven "Floating Impeller"

**Staging System** – Incorporates 1<sup>st</sup>-in-class performance, sand handling and thrust management staging system with the industry exclusive "dry-run" design element. Reinforced engineered composites and stainless steel, offering high resistance to corrosion and abrasion.

**Discharge** – Tested-tough, fiberglass-reinforced thermoplastic, with proven internal check valve. Large wrench flats and rope hole.

**Shell** – 300-grade stainless steel pump shell offers high corrosion resistance.

**Shaft** – Hexagonal 3/8", 300-grade stainless steel pump shaft; offers generous impeller drive surfaces.

**Shaft Bearing** – Exclusive self-lubricating Nylatron bearing resists wear surface from sand.

**Motor Bracket** – Tested-tough, fiberglass-reinforced thermoplastic; incorporates an integral suction screen.



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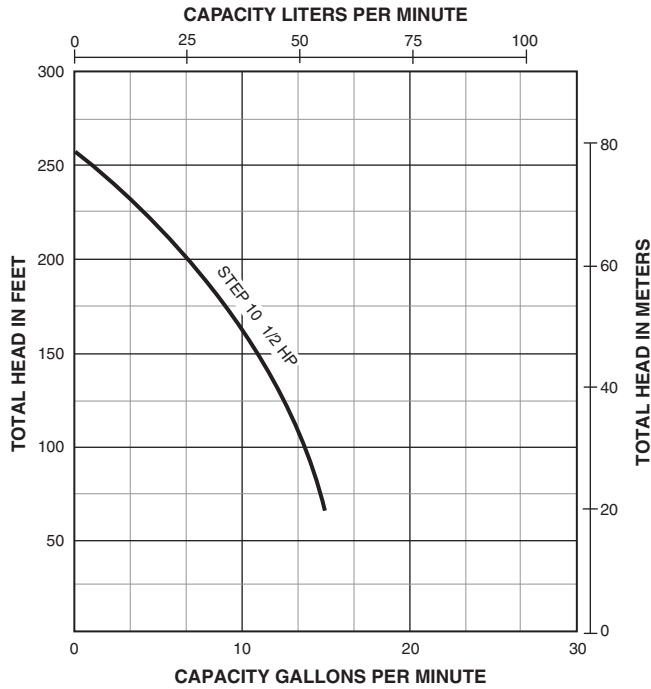
ORDERING INFORMATION						
Catalog Number	HP	Stages	Max. Load Amps	Volts	Phase/Cycles	Cord Length
STEP10	1/2	6	10.5	115	1/60	10'
STEP20	1/2	5	10.5	115	1/60	10'
STEP30-05121	1/2	3	9.5	115	1/60	10'
STEP30X20FT-05121	1/2	3	9.5	115	1/60	20'
STEP30X30FT-05121	1/2	3	9.5	115	1/60	30'
STEP30-05221	1/2	3	4.7	230	1/60	10'
STEP30X20FT-05221	1/2	3	4.7	230	1/60	20'
STEP30X30FT-05221	1/2	3	4.7	230	1/60	30'
STEP30-10221	1	5	9.1	230	1/60	10'
STEP30X20FT-10221	1	5	9.1	230	1/60	20'
STEP30X30FT-10221	1	5	9.1	230	1/60	30'
STEP30-15221	1-1/2	6	11.0	230	1/60	10'
STEP30X20FT-15221	1-1/2	6	11.0	230	1/60	20'
STEP30X30FT-15221	1-1/2	6	11.0	230	1/60	30'
STEP50-10221	1	3	9.1	230	1/60	10'
STEP50X20FT-10221	1	3	9.1	230	1/60	20'
STEP50X30FT-10221	1	3	9.1	230	1/60	30'
STEP50-15221	1-1/2	4	11.0	230	1/60	10'
STEP50X20FT-15221	1-1/2	4	11.0	230	1/60	20'
STEP50X30FT-15221	1-1/2	4	11.0	230	1/60	30'

PUMP PERFORMANCE			
Catalog Number	Gallons/Liters per Minute	Head (Feet/Meters)	PSI
STEP10	0/0	255/78	110
	5/19	228/69	99
	10/38	170/52	74
	12.5/47	120/37	52
STEP20	0/0	180/55	78
	7.5/28	160/49	69
	15/57	135/41	58
	20/76	115/35	50
	25/95	75/23	32
STEP30-05221 & STEP30-05121	0/0	102/31	44
	8/30	100/30	43
	16/61	97/30	42
	24/91	84/26	36
	30/114	68/21	29
	36/136	47/14	20
STEP30-10221	0/0	171/52	74
	8/30	166/51	72
	16/61	162/49	70
	24/91	140/43	61
	30/114	114/35	49
	36/136	78/24	34
STEP30-15221	0/0	206/63	89
	8/30	203/62	88
	16/61	199/61	86
	24/91	176/54	76
	30/114	146/45	63
	36/136	101/31	44
STEP50-10221	0/0	90/27	39
	10/38	86/26	37
	20/76	83/25	36
	30/114	79/24	34
	40/152	71/22	31
	50/190	62/19	27
	60/227	49/15	21
70/265	27/8	12	
STEP50-15221	0/0	120/37	52
	10/38	115/35	50
	20/76	110/34	48
	30/114	104/32	45
	40/152	95/29	41
	50/190	82/25	35
	60/227	65/20	28
70/265	36/11	16	

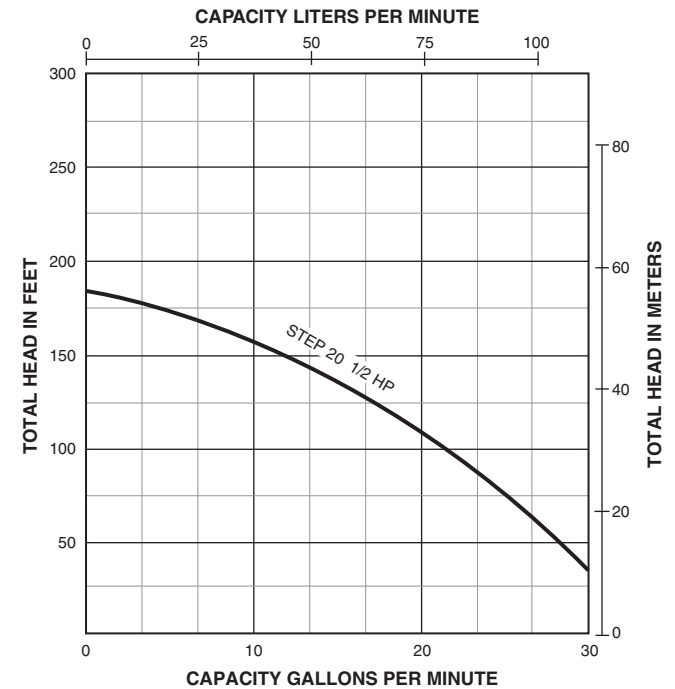


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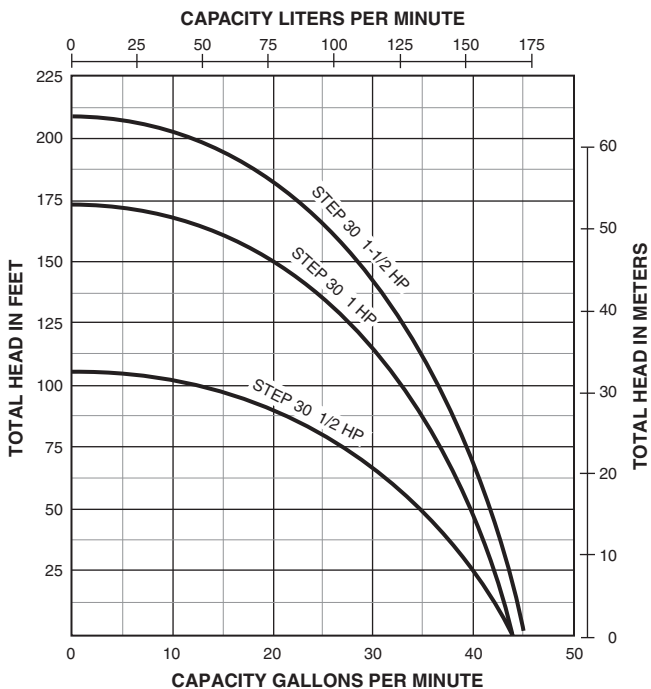
## PUMP PERFORMANCE – 10 GPM



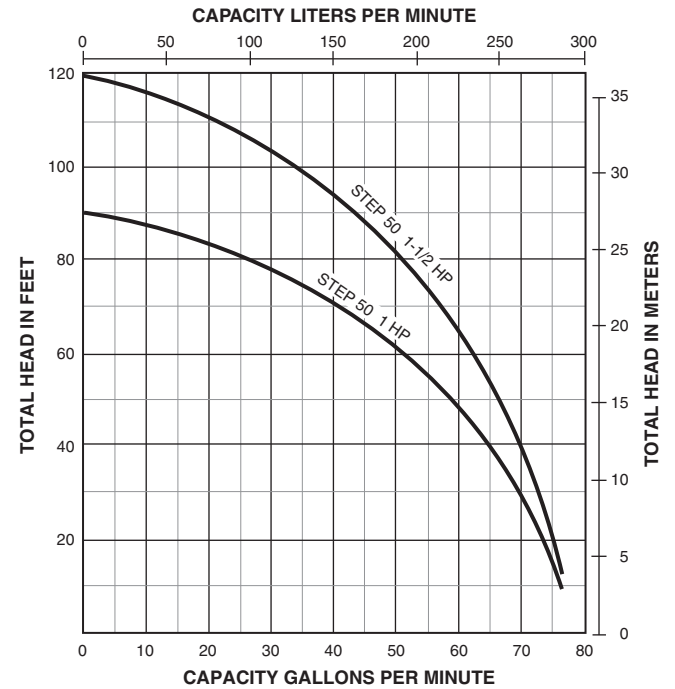
## PUMP PERFORMANCE – 20 GPM



## PUMP PERFORMANCE – 30 GPM



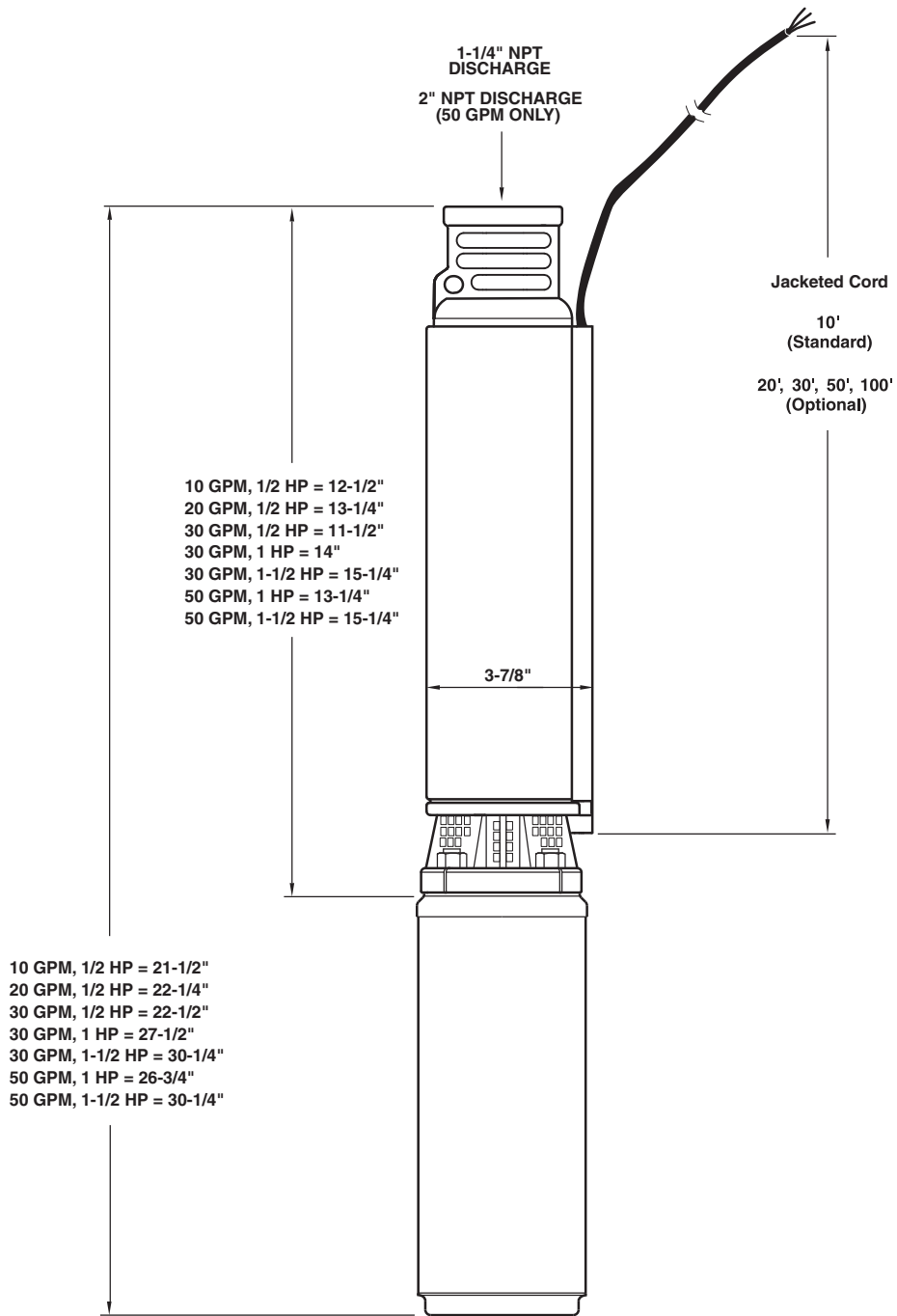
## PUMP PERFORMANCE – 50 GPM





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## OUTLINE DIMENSIONS



Dimensions (in inches) are for estimating purposes only.

