Environmental Submersible Pumps

Grundfos 1100S Enviro Retrofitted Submersible Pumps

These Grundfos submersible pumps are made of stainless steel and retrofitted with PTFE to handle the rigors of contaminated groundwater pumping and continuous operation in remediation and solid waste applications. Built to deliver optimum efficiency during periods of high demand, all Grundfos pumps provide low, long-term operating costs and high operating reliability regardless of the application.

Grundfos Enviro retrofitted submersibles meet government guidelines for environmental equipment and have been proven through extensive use in the field.

FEATURES

- **Made For 10" (25.4 cm) and Larger Wells**
  Flow rates of 220 to 1400 GPM (832.8 to 5,299.6 LPM).
- **State-of-the-art Hydraulics**
  Pump efficiency is maximized by constant improvement of the high-performance hydraulic design, and precise manufacturing process.
- **Manufactured With High-grade Stainless Steel**
  Rugged stainless steel construction inside and out resists corrosion and attack from aggressive liquids.
- **Wear-resistant Design**
  Designed to flush abrasive particles from the pump, and made from stainless steel to resist wear caused by abrasives.
- **Built-in Check Valve**
  Prevents back-flow into the well once the pump is shut down.
- **User Friendly Cable Guard For Easy Installation**
- **30 to 250 HP Motors**
  Stainless steel construction and quality design.
- **Motor Controls and Protection**
  Available controls to protect the motor against burnout and dry-running, plus the ability to monitor the system allowing the user to optimize settings.

OPERATION

Typical clean-up operations include water table depression techniques to isolate and remove dissolved contaminants.

This pump design has been used extensively in a vast percentage of the Countries Landfills, being used successfully in recovering and pumping Leachate, in side slope, vertical and horizontal applications.

GRUNDFOS

CALL IETECH TODAY (800) 270-6052

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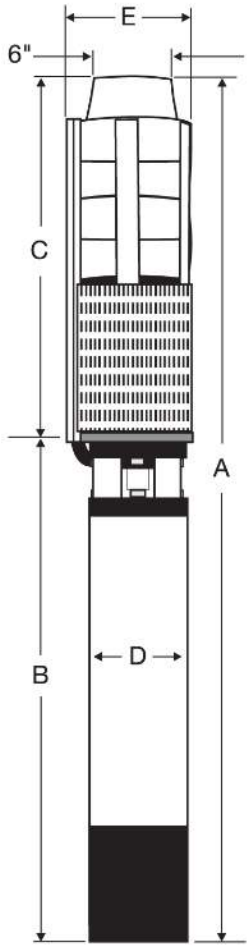
DIMENSIONS & WEIGHTS

Model No.	HP	Motor Size In.	Motor Size CM	Discharge Size	Dimensions A In.	A CM	B In.	B CM	C In.	C CM	D In.	D CM	E In.	E CM	Approximate Shipping Wt. Lbs.	Kg
1100S300-1A	30	6	15	6" NPT	66.8	169.7	35.7	90.7	31.1	79.0	5.4	13.7	9.7	24.6	252	114.3
1100S400-1*	40	6	15	6" NPT	68.3	173.5	37.2	94.5	31.1	79.0	5.4	13.7	9.7	24.6	276	125.2
1100S600-2AA*	60	6	15	6" NPT	79.9	202.9	41.8	106.2	38.1	96.8	5.4	13.7	9.7	24.6	459	208.2
1100S750-2A	75	8	20	6" NPT	85.5	217.2	47.4	120.4	38.1	96.8	7.6	19.3	9.7	24.6	558	253.1
1100S1000-2	100	8	20	6" NPT	93.8	238.3	55.7	141.5	38.1	96.8	7.6	19.3	9.7	24.6	558	253.1
1100S1000-3AA	100	8	20	6" NPT	100.8	256.0	55.7	141.5	45.1	114.6	7.6	19.3	9.7	24.6	657	298.0
1100S1250-3A	125	8	20	6" NPT	102.1	259.3	57	144.8	45.1	114.6	7.7	19.6	9.7	24.6	836	379.2
1100S1250-3	125	8	20	6" NPT	102.1	259.3	57	144.8	45.1	114.6	7.7	19.6	9.7	24.6	836	379.2
1100S1500-4AA	150	8	20	6" NPT	129.8	329.7	77.8	197.6	52	132.1	7.7	19.6	9.7	24.6	1007	456.8
1100S1500-4A	150	8	20	6" NPT	129.8	329.7	77.8	197.6	52	132.1	7.7	19.6	9.7	24.6	1007	456.8
1100S1750-4	175	8	20	6" NPT	137.8	350.0	85.8	217.9	52	132.1	7.7	19.6	9.7	24.6	1007	456.8
1100S1750-5AA*	175	8	20	6" NPT	144.7	367.5	85.8	217.9	58.9	149.6	7.7	19.6	9.7	24.6	1089	494.0
1100S1750-5A*†	175	8	20	6" NPT	144.7	367.5	85.8	217.9	58.9	149.6	7.7	19.6	9.7	24.6	1089	494.0
1100S2000-5*†	200	8	20	6" NPT	153.7	390.4	94.8	240.8	58.9	149.6	7.7	19.6	9.7	24.6	1197	543.0
1100S2500-6AA†	250	10	25	6" NPT	145.2	368.8	79.5	201.9	65.7	166.9	9.1	23.1	10.9	27.7	1263	572.9
1100S2500-6A†	250	10	25	6" NPT	145.2	368.8	79.5	201.9	65.7	166.9	9.1	23.1	10.9	27.7	1263	572.9
1100S2500-6†	250	10	25	6" NPT	145.2	368.8	79.5	201.9	65.7	166.9	9.1	23.1	10.9	27.7	1263	572.9

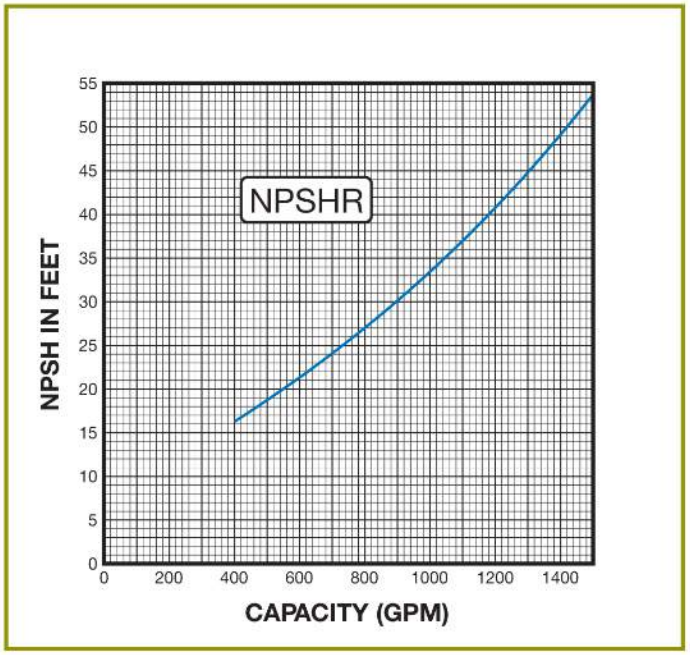
NOTES: All models suitable for use in 10" wells, unless equipped with 10" motor.
Weights include pump end with motor in lbs.
*Alternate motor sizes available.
†Designed to fit Hitachi® motors.



MATERIALS OF CONSTRUCTION

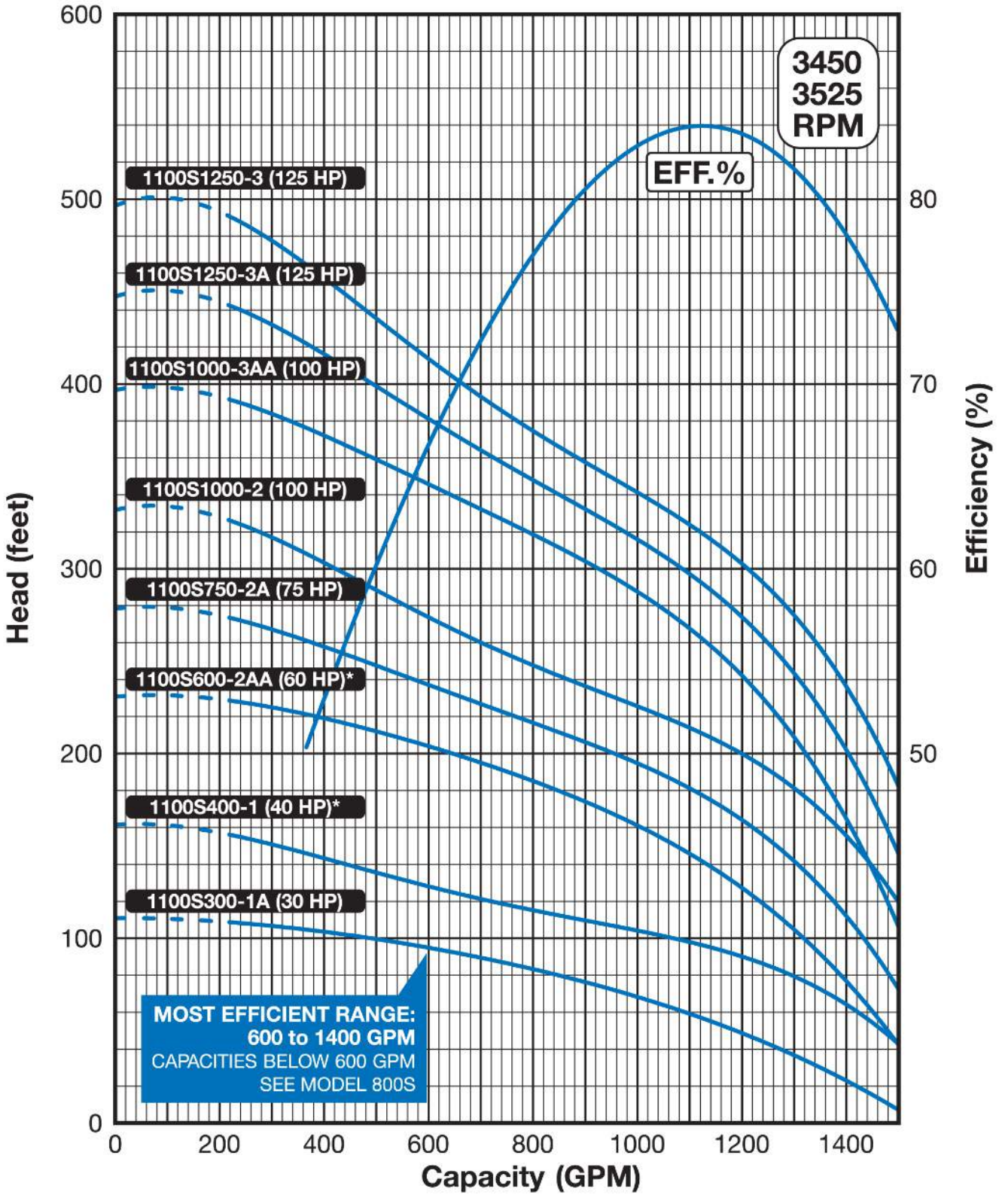
COMPONENT	CYLINDRICAL SHAFT
Valve Housing	304 Stainless Steel
Check Valve	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel
Split Cone Nut	304 Stainless Steel
Split Cone	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Interconnector	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Straps	304 Stainless Steel
Cable Guard	316 Stainless Steel
Coupling	316/329 Stainless Steel*
Coupling Key	302/304 Stainless Steel**
Pump Shaft	431 Stainless Steel
Intermediate Bearings	PTFE
Impeller Seal Ring	PTFE
Top Bearing	NBR/316 Stainless Steel
Upthrust Disc	Carbon/Graphite HY22
O-Ring	NBR
Valve Seat	304 Stainless Steel
Lower Valve Seat Retainer	316 Stainless Steel
Upper Valve Seat Retainer	304 Stainless Steel
Valve Guide	304 Stainless Steel
Valve Cup Spring	304 Stainless Steel

NOTES: Specifications are subject to change without notice.
* 10" Coupling made of 329 Stainless Steel.
** Used in 10" motor coupling only.



Model 1100S Enviro Retrofitted | **1100 GPM (4,163.9 LPM)** | **Technical Data**

FLOW RANGE: 220 - 1400 GPM | **OUTLET SIZE: 6" NPT** | **NOMINAL DIA. 10"**



Specifications subject to change without notice.
6" motor standard, 30-60 HP/3450 RPM.
8" motor standard, 75-200 HP/3525 RPM.
10" motor standard, 250 HP/3500 RPM.
* Alternate motor sizes available.
Performance conforms to ISO 9906 Annex A @ 10 ft. minimum submergence.

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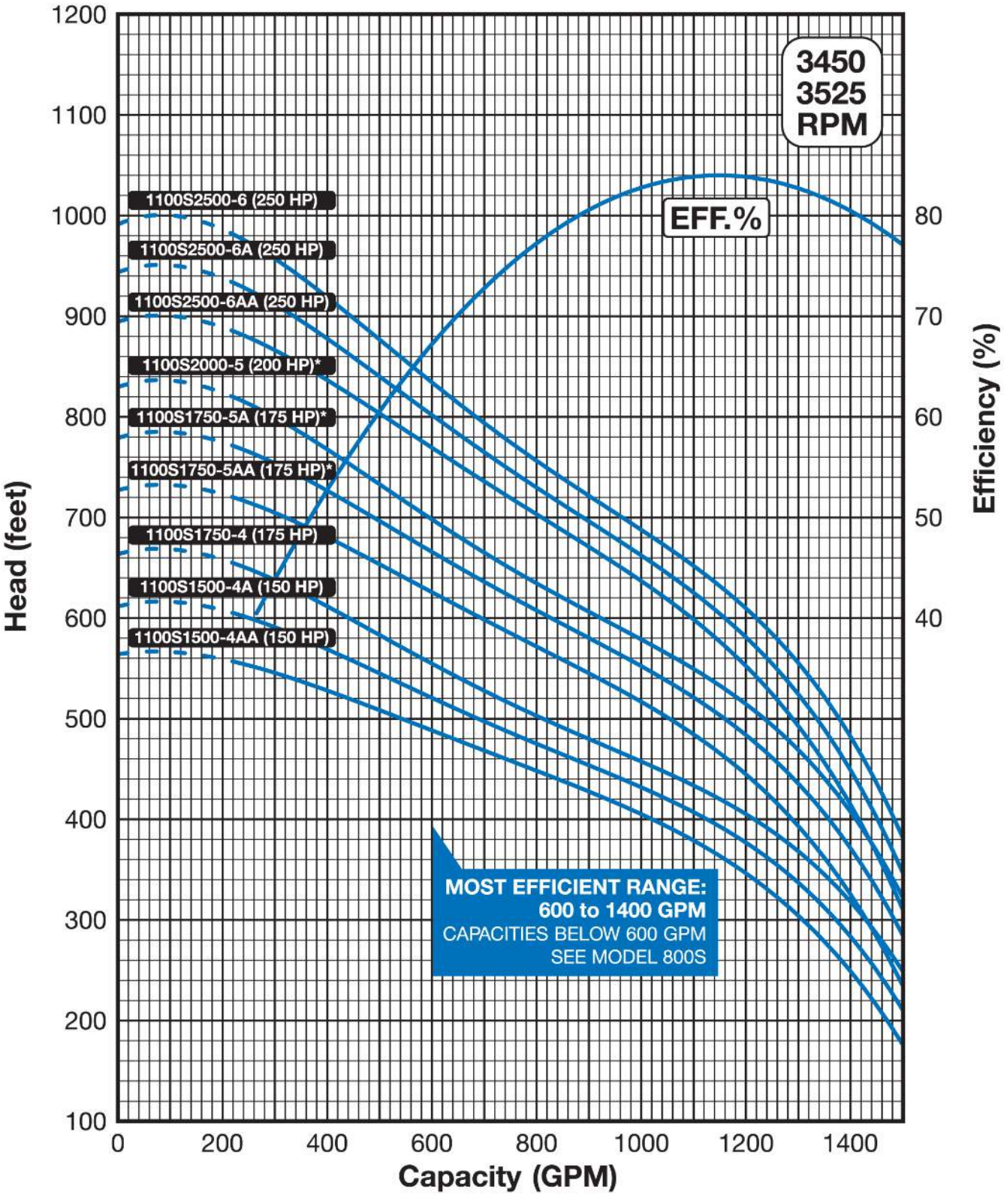

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