Environmental Submersible Pumps

Grundfos 150S 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.

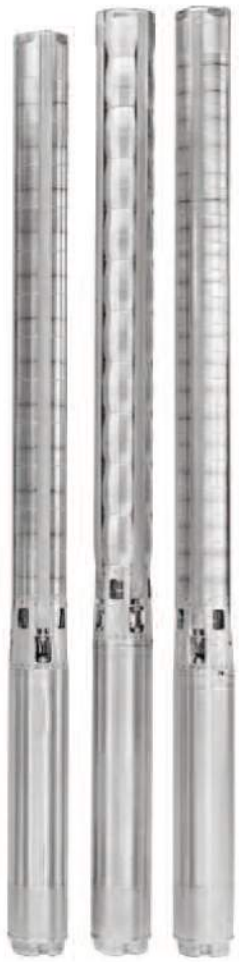
FEATURES

- **Made For 6" (15 cm) and Larger Wells**
  Flow rates of 30 to 220 GPM (113.6 to 832.8 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**
- **2 to 75 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

Integrated Environmental Technologies, Inc.
124 Edgewood Drive, Washington, PA 15301
(800) 270-6052 | FAX: (724) 261-5330
sales@ietechinc.com | www.ietechinc.com

DIMENSIONS & WEIGHTS

Model No.	Fig.	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
150S20-1	A	2	4	10	3" NPT	27.3	69.3	13.6	34.5	13.7	34.8	3.75	9.5	5.2	13.2	55	24.9
150S50-2	A	5	4	10	3" NPT	41.1	104.4	23.6	59.9	17.5	44.5	3.75	9.5	5.2	13.2	75	34.0
150S75-3	A	7½	4	10	3" NPT	50.9	129.3	29.6	75.2	21.3	54.1	3.75	9.5	5.2	13.2	92	41.7
150S75-4	A	7½	4	10	3" NPT	54.7	138.9	29.6	75.2	25.1	63.8	3.75	9.5	5.2	13.2	97	44.0
150S100-5	A	10	4	10	3" NPT	72.8	184.9	43.9	111.5	28.9	73.4	3.75	9.5	5.2	13.2	151	68.5
150S75-4	A	7½	6	15	3" NPT	49.9	126.7	24.2	61.5	25.7	65.3	5.38	13.7	5.6	14.2	135	61.2
150S100-5	A	10	6	15	3" NPT	54.9	139.4	25.4	64.5	29.5	74.9	5.38	13.7	5.6	14.2	148	67.1
150S150-6	A	15	6	15	3" NPT	61.3	155.7	28	71.1	33.3	84.6	5.38	13.7	5.6	14.2	167	75.7
150S150-7	A	15	6	15	3" NPT	65	165.1	28	71.1	37	94.0	5.38	13.7	5.6	14.2	169	76.7
150S150-8	A	15	6	15	3" NPT	68.8	174.8	28	71.1	40.8	103.6	5.38	13.7	5.6	14.2	174	78.9
150S200-9	A	20	6	15	3" NPT	75.2	191.0	30.6	77.7	44.6	113.3	5.38	13.7	5.6	14.2	191	86.6
150S200-10	A	20	6	15	3" NPT	79	200.7	30.6	77.7	48.4	122.9	5.38	13.7	5.6	14.2	193	87.5
150S200-11	A	20	6	15	3" NPT	82.8	210.3	30.6	77.7	52.2	132.6	5.38	13.7	5.6	14.2	198	89.8
150S250-12	A	25	6	15	3" NPT	89	226.1	33.1	84.1	55.9	142.0	5.38	13.7	5.6	14.2	235	106.6
150S250-13	A	25	6	15	3" NPT	92.8	235.7	33.1	84.1	59.7	151.6	5.38	13.7	5.6	14.2	238	108.0
150S250-14	A	25	6	15	3" NPT	96.6	245.4	33.1	84.1	63.5	161.3	5.38	13.7	5.6	14.2	242	109.8
150S300-15	A	30	6	15	3" NPT	103	261.6	35.7	90.7	67.3	170.9	5.38	13.7	5.6	14.2	260	117.9
150S300-16	A	30	6	15	3" NPT	106.8	271.3	35.7	90.7	71.1	180.6	5.38	13.7	5.6	14.2	262	118.8
150S300-17	A	30	6	15	3" NPT	110.5	280.7	35.7	90.7	74.8	190.0	5.38	13.7	5.6	14.2	266	120.7
150S400-18	A	40	6	15	3" NPT	119.4	303.3	40.8	103.6	78.6	199.6	5.38	13.7	5.6	14.2	306	138.8
150S400-19	A	40	6	15	3" NPT	123.2	312.9	40.8	103.6	82.4	209.3	5.38	13.7	5.6	14.2	308	139.7
150S400-20	A	40	6	15	3" NPT	127	322.6	40.8	103.6	86.2	218.9	5.38	13.7	5.6	14.2	323	146.5
150S400-21	A	40	6	15	3" NPT	130.8	332.2	40.8	103.6	90	228.6	5.38	13.7	5.7	14.5	334	151.5
150S400-22	A	40	6	15	3" NPT	134.5	341.6	40.8	103.6	93.7	238.0	5.38	13.7	5.7	14.5	338	153.3
150S400-23	A	40	6	15	3" NPT	138.3	351.3	40.8	103.6	97.5	247.7	5.38	13.7	5.7	14.5	340	154.2
150S500-24	A	50	6	15	3" NPT	162.2	412.0	57.8	146.8	104.4	265.2	5.38	13.7	6.1	15.5	442	200.5
150S500-25	A	50	6	15	3" NPT	166	421.6	57.8	146.8	108.2	274.8	5.38	13.7	6.1	15.5	444	201.4
150S500-26	A	50	6	15	3" NPT	169.8	431.3	57.8	146.8	112	284.5	5.38	13.7	6.1	15.5	446	202.3
150S500-27	A	50	6	15	3" NPT	173.6	440.9	57.8	146.8	115.8	294.1	5.38	13.7	6.1	15.5	448	203.2
150S500-28	A	50	6	15	3" NPT	183.4	465.8	63.8	162.1	119.6	303.8	5.38	13.7	7.1	18.0	450	204.1
150S600-29	A	60	6	15	3" NPT	193.7	492.0	63.8	162.1	129.9	329.9	5.38	13.7	7.1	18.0	448	203.2
150S600-31	A	60	6	15	3" NPT	201.3	511.3	63.8	162.1	137.5	349.3	5.38	13.7	7.1	18.0	452	205.0
150S600-33	A	60	6	15	3" NPT	208.8	530.4	63.8	162.1	145	368.3	5.38	13.7	7.1	18.0	456	206.8
150S500-24	A	50	8	20	3" NPT	143.2	363.7	38.8	98.6	104.4	265.2	7.5	19.1	7.5	19.1	492	223.2
150S500-25	A	50	8	20	3" NPT	147	373.4	38.8	98.6	108.2	274.8	7.5	19.1	7.5	19.1	495	224.5
150S500-26	A	50	8	20	3" NPT	150.8	383.0	38.8	98.6	112	284.5	7.5	19.1	7.5	19.1	497	225.4
150S500-27	A	50	8	20	3" NPT	154.6	392.7	38.8	98.6	115.8	294.1	7.5	19.1	7.5	19.1	499	226.3
150S500-28	A	50	8	20	3" NPT	158.4	402.3	38.8	98.6	119.6	303.8	7.5	19.1	7.5	19.1	501	227.2
150S500-29*	B	60	8	20	3" NPT	169.7	431.0	41.8	106.2	127.9	324.9	7.5	19.1	7.5	19.1	539	244.5
150S600-31*	B	60	8	20	3" NPT	177.3	450.3	41.8	106.2	135.5	344.2	7.5	19.1	7.5	19.1	543	246.3
150S600-33*	B	60	8	20	3" NPT	184.8	469.4	41.8	106.2	143	363.2	7.5	19.1	7.5	19.1	547	248.1
150S750-36*	B	75	8	20	3" NPT	201.8	512.6	47.4	120.4	154.4	392.2	7.5	19.1	7.5	19.1	592	268.5
150S750-39*	B	75	8	20	3" NPT	213.1	541.3	47.4	120.4	165.7	420.9	7.5	19.1	7.5	19.1	598	271.2

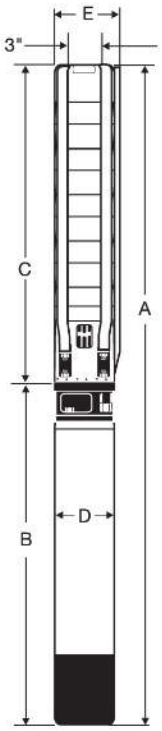


Fig. A

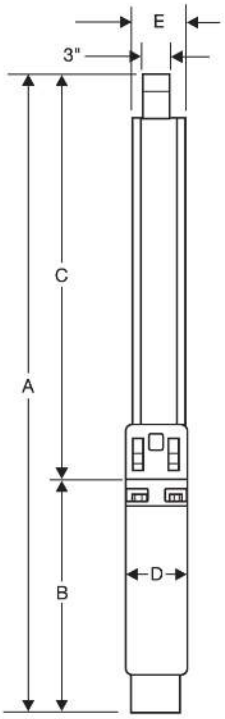


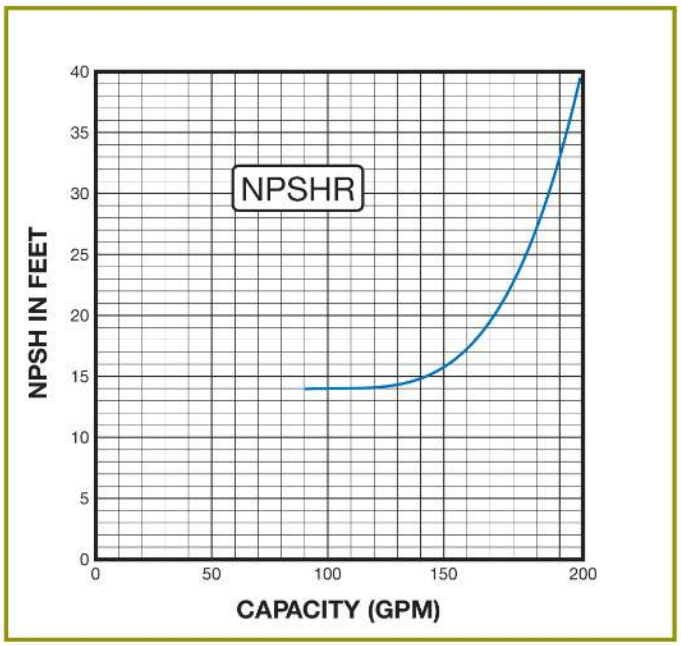
Fig. B

NOTES: All models suitable for use in 6" (15 cm) wells, unless otherwise noted.
Weights include pump end with motor in lbs.
*Built into sleeve 3" NPT discharge, 8" (20 cm) minimum well diameter.

MATERIALS OF CONSTRUCTION

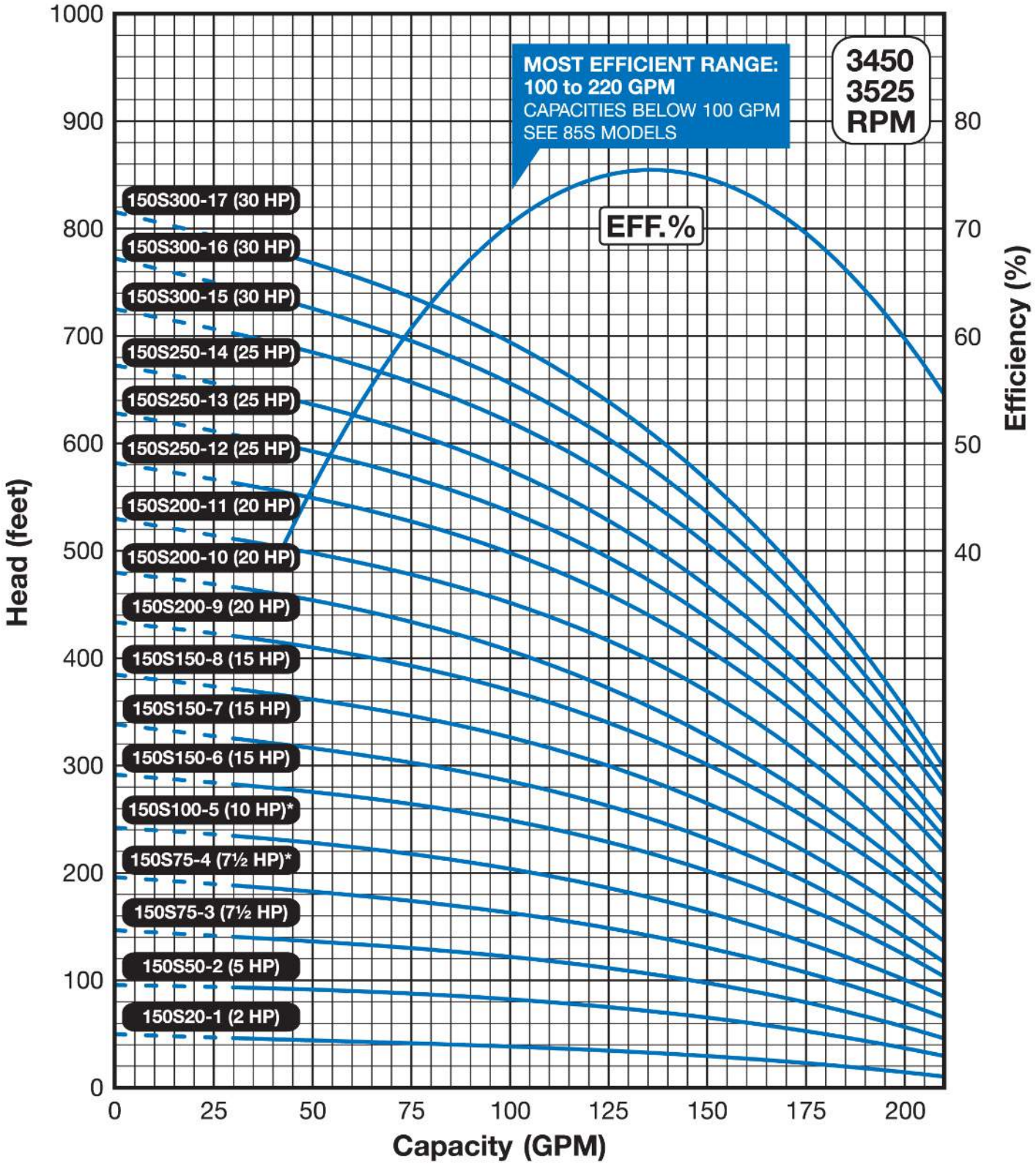
COMPONENT	CYLINDRICAL SHAFT (1-39 Stgs.)
Check Valve Housing	304 Stainless Steel
Check Valve	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel
Split Cone Nut	304 Stainless Steel
Split Cone	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Interconnector	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Seal Ring Support Plate	304 Stainless Steel
Straps	304 Stainless Steel
Cable Guard	304 Stainless Steel
Priming Inducer	304 Stainless Steel
Coupling	316/329 Stainless Steel**
Pump Shaft	431 Stainless Steel
Intermediate Bearings	PTFE
Impeller Seal Ring	PTFE
Check Valve Seat	NBR/316 Stainless Steel
Top Bearing	PTFE/304 Stainless Steel
Upthrust Disc	Carbon/Graphite
Upthrust Stop Washer	304 Stainless Steel
8" Motor Adaptor Plate	304 Stainless Steel
Sleeve*	316 Stainless Steel
Sleeve Flange	304 Stainless Steel

NOTES: Specifications are subject to change without notice.
***Required for 29-39 stage models.**
** 4" Coupling made of 316 Stainless Steel.



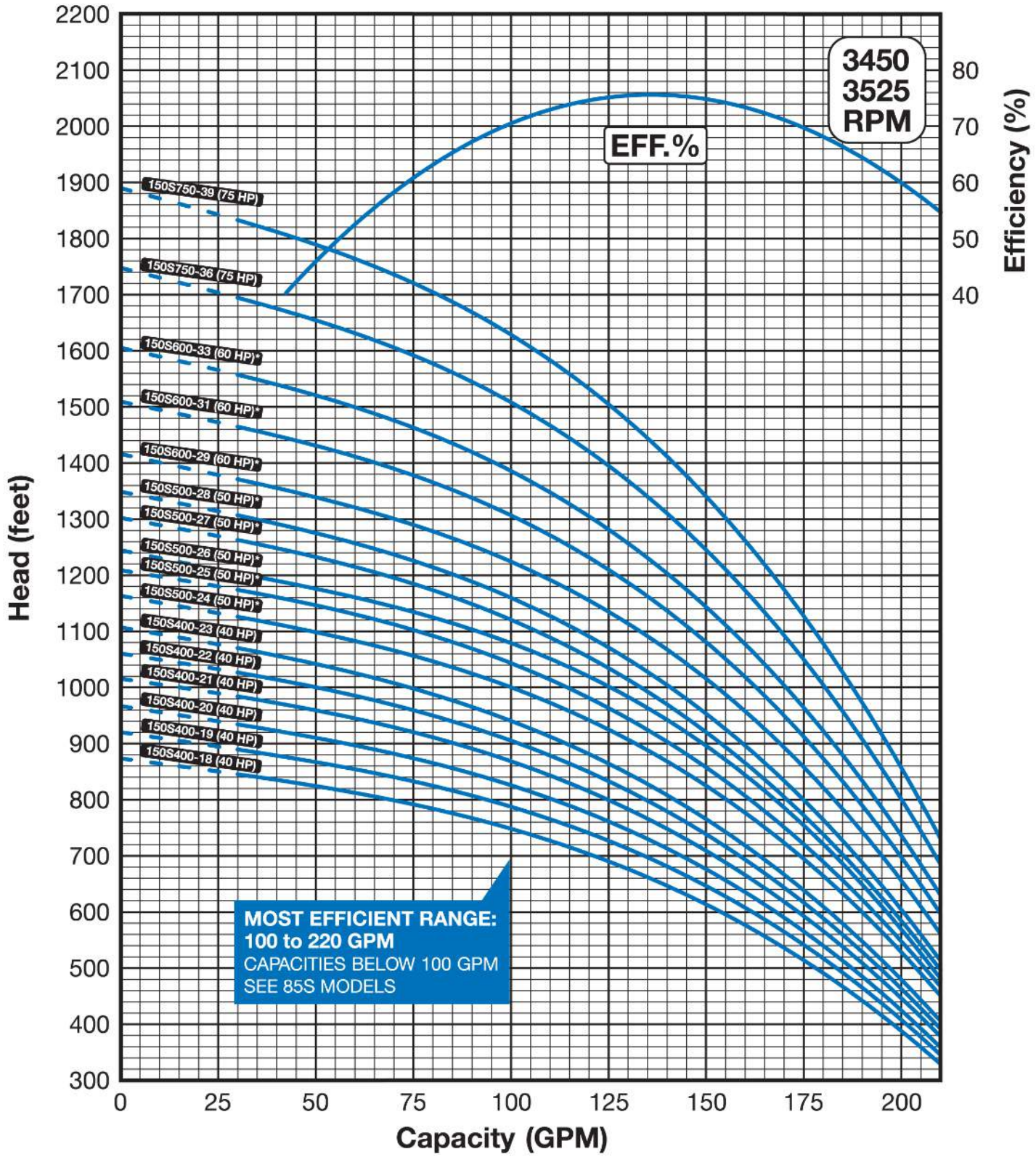
Model 150S Enviro Retrofitted | 150 GPM (567.8 LPM) | Technical Data

FLOW RANGE: 30 - 220 GPM **OUTLET SIZE: 3" NPT** **NOMINAL DIA. 6"**



Specifications subject to change without notice.
4" motor standard, 2-10 HP/3450 RPM.
6" motor standard, 7.5-60 HP/3450 RPM.
8" motor standard, 75 HP/3525 RPM.
* Alternate motor sizes available.
Performance conforms to ISO 9906 Annex A @ 5 ft. minimum submergence.

FLOW RANGE: 30 - 220 GPM **OUTLET SIZE: 3" NPT** **NOMINAL DIA. 6"**



Specifications subject to change without notice.
6" motor standard, 7.5-60 HP/3450 RPM.
8" motor standard, 75 HP/3525 RPM.
* Alternate motor sizes available.
Performance conforms to ISO 9906 Annex A @ 5 ft. minimum submergence.