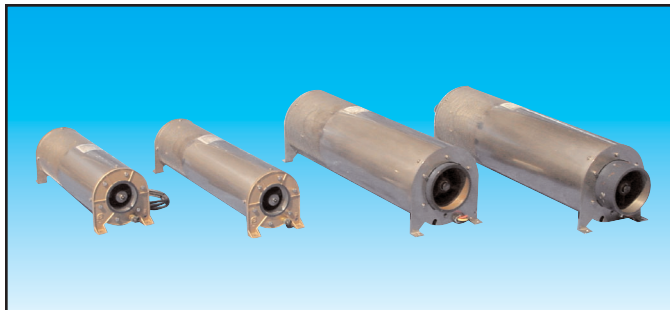


STP Submersible Turbine Pumps

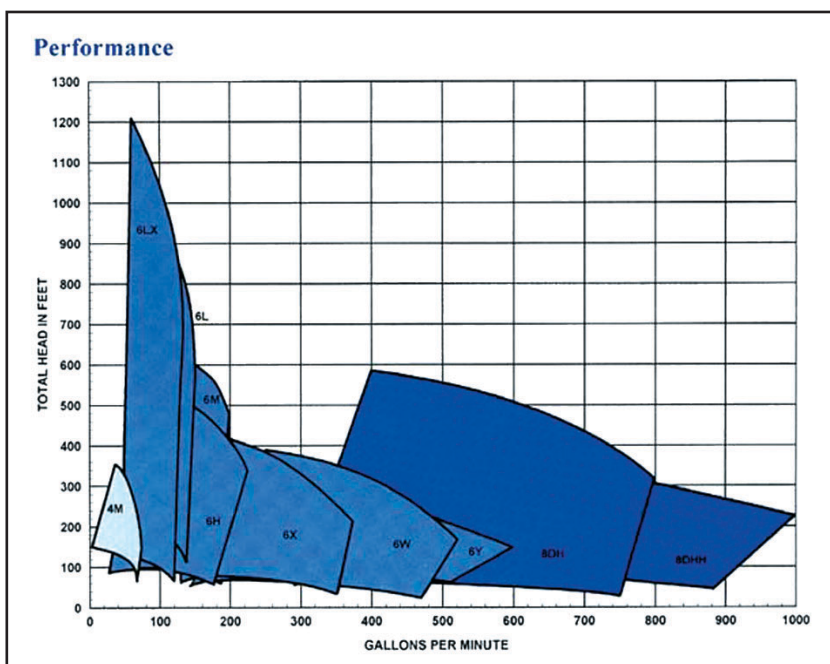


The Oase STP series 6" and 8" Submersible Turbine Pumps are designed specifically for architectural, municipal, and commercial fountain applications. Seven series of 6" pumps with flow rates up to 550 GPM, and two series of 8" pumps with flow rates up to 1000 GPM are offered. Standard configurations include all single and two stage pumps, with a maximum of eight stages offered for extreme pressure requirements.

The Oase STP series pumps meet the rigid technical standards and specifications used in the design of architectural, industrial, commercial, and municipal applications. Oase STP pumps can be used in installations fed with city water supplies, or reclaimed water supplies. Unlike submersible sump pumps, the Oase STP pump is designed for the continuous use duty of an architectural water feature.

All STP pumps are cast iron construction with brass or stainless steel impellers, with brass or stainless steel mounts, and a stainless steel

suction screen and cooling shroud. Motors are stainless steel water cooled types, with no internal oil to leak out. STP pumps can operate in as little as 18" of water depth.



Designing your fountain using Oase submersible equipment will save installed cost, as there is no requirement for a buried vault or any suction plumbing. Typically, a 24" deep sump is incorporated into the fountain design (covered with a fiberglass grate) and a direct-burial external filter used. This can result in an installed cost savings of 20% or more over a buried vault system!

Oase Pumps & Fountains has a staff of experts trained and experienced in practical and technical engineering problems and are capable of designing and building the finest in turbine pump equipment. Our exacting standards of highest-quality materials, engineering, inspection, and testing are your assurance that the Oase STP pump will deliver dependable performance for your application.

Technical description:

- Standard sizes from 1Hp to 30Hp, single or dual stage configurations. Larger Horsepower and three or more stages are available as specials.
- Available in single or three phase power, 60Hz standard, 50Hz available (for 50Hz operation, derate the pump curves approximately 20%). Single phase pumps 2Hp and larger require an external starter capacitor box.
- Cord length is 10' standard. Longer cord lengths are available on request.
- Discharge is axial female NPT threads. For ease of installation and best serviceability, it's recommended that a flanged fitting and wafer type butterfly valve be used on the outlet.
- Discharge, Intermediate Bowls and Motor Brackets: Heavy duty class 30 cast iron for maximum efficiency and abrasion resistance.

Reliable long life bronze bearing in every stage.

- **Impeller:** Balanced lead free silicone bronze, enclosed impellers designed for maximum efficiencies with a wide range of hydraulic coverage and corrosion resistance.
- The NFPA NEC (National Electrical Code) Article 680 (Fountains) limits submersible pumps to 300 volt or less operation and requires a Ground Fault Circuit Interrupter (GFCI or GFI) listed for personnel protection be installed. For this reason, we don't offer any submersible pump for distribution in the USA with an input power higher than 240 volts. Provide proper GFCI protection on installation.
- 10", 12" & 14" Turbine Submersibles are also available, utilizing a vertical turbine bowl and fabricated brackets.

Available from Atlantic Fountains 203 669 1188



STP Submersible Turbine Pumps

Standard 60Hz models	Hp	Stages:	Part number:			Pump end		Peak efficiency:			Maximum		Total length (inch)		Standard 60Hz models
			230v / 1phase	208v / 3phase	230v / 3phase	Model	Trim	Flow rate (gpm)	Head pressure	Eff.	Flow rate (gpm)	Head pressure	Single phase	Three phase	
STP 1NS6LX1	1	1	83110	83210	83310	6LX1	3.687	90	30'	69%	120	54'	27.125"	27.125"	STP 1NS6LX1
STP 1½NS6LX1	1.5	1	83111	83211	83311	6LX1	4.125	95	40'	70%	140	68'	30.50"	27.125"	STP 1½NS6LX1
STP 2NS6LX1	2	1	83112	83212	83312	6LX1	4.687	100	55'	70%	160	84'	30.50"	29.00"	STP 2NS6LX1
STP 3NS6LX2	3	2	83113	83213	83313	6LX2	4.687	100	85'	69%	160	150'	42.495"	39.50"	STP 3NS6LX2
STP 1NS6L1	1	1	83114	83214	83314	6L1	3.687	90	35'	72%	150	48'	27.125"	27.125"	STP 1NS6L1
STP 1½NS6L1	1.5	1	83115	83215	83315	6L1	4.125	100	46'	72%	175	61'	30.50"	30.25"	STP 1½NS6L1
STP 2NS6L1	2	1	83116	83216	83316	6L1	4.687	115	60'	72%	200	78'	30.50"	29.00"	STP 2NS6L1
STP 5NS6L3	5	3	83117	83217	83317	6L3	4.687	115	140'	72%	180	200'	42.495"	39.50"	STP 5NS6L3
STP 1½NS6M1	1.5	1	83118	83218	83318	6M1	3.750	125	30'	74%	200	45'	31.75"	28.375"	STP 1½NS6M1
STP 2NS6M1	2	1	83119	83219	83319	6M1	4.250	130	45'	77%	250	62'	31.75"	30.25"	STP 2NS6M1
STP 3NS6M1	3	1	83120	83220	83320	6M1	4.687	150	60'	74%	250	78'	40.245"	37.25"	STP 3NS6M1
STP 5NS6M2	5	2	83121	83221	83321	6M2	4.687	150	100'	76%	250	150'	51.00"	45.00"	STP 5NS6M2
STP 2NS6H1	2	1	83122	83222	83322	6H1	3.750	135	35'	72%	200	48'	31.75"	30.25"	STP 2NS6H1
STP 3NS6H1	3	1	83123	83223	83323	6H1	4.250	155	48'	74%	250	64'	40.245"	40.25"	STP 3NS6H1
STP 5NS6H1	5	1	83124	83224	83324	6H1	4.687	165	64'	74%	300	78'	46.25"	40.25"	STP 5NS6H1
STP 7½NS6H2	7.5	2	83125	83225	83325	6H2	4.687	165	120'	74%	300	155'	49.375"	45.563"	STP 7½NS6H2
STP 3NS6X1	3	1	83126	83226	83326	6H1	4.312	220	38'	65%	375	63'	40.245"	37.25"	STP 3NS6X1
STP 5NS6X1	5	1	83127	83227	83327	6H1	4.687	235	53'	71%	400	82'	46.25"	40.25"	STP 5NS6X1
STP 7½NS6X2	7.5	2	83128	83228	83328	6X2	4.687	235	85'	71%	400	130'	49.375"	45.563"	STP 7½NS6X2
STP 5NS6W1	5	1	83129	83229	83329	6W1	4.687	360	40'	74%	600	77'	46.25"	40.25"	STP 5NS6W1
STP 7½NS6W2	7.5	2	83130	83230	83330	6W2	4.687	360	60'	72%	600	120'	49.375"	45.563"	STP 7½NS6W2
STP 7½NS8DH1	7.5	1	83131	83231	83331	8DH1	4.250	580	40'	71%	800	84'	52.00"	48.188"	STP 7½NS8DH1
STP 10NS8DH1	10	1	83132	83232	83332	8DH1	4.588	600	54'	73%	800	120'	54.563"	49.438"	STP 10NS8DH1
STP 15NS8DH1	15	1	83133	83233	83333	8DH1	5.195	620	78'	73%	800	135'	57.125"	52.00"	STP 15NS8DH1
STP 20NS8DH2	20	2	n/a	83234	83334	8DH2	5.195	620	100'	72%	800	200'	-	61.313"	STP 20NS8DH2
STP 15NS8DHH1	15	1	83135	83235	83335	8DHH1	4.450	720	62'	70%	1000	95'	57.125"	52.00"	STP 15NS8DHH1
STP 20NS8DHH1	20	1	n/a	83236	83336	8DHH1	4.880	780	74'	71%	1000	115'	-	54.563"	STP 20NS8DHH1
STP 25NS8DHH1	25	1	n/a	83237	83337	8DHH1	5.190	830	83'	72%	1000	130'	-	57.125"	STP 25NS8DHH1
STP 30NS8DHH1	30	1	n/a	83238	83338	8DHH1	5.318	870	92'	72%	1000	134'	-	59.688"	STP 30NS8DHH1

Standard 50Hz models	Hp:	Kw:	Part number:			Pump end		Peak efficiency:			Maximum		Total length (mm)		Standard 50Hz models
			220v / 1phase	220v / 3phase	400v / 3phase	Model	Trim	Flow rate (lpm)	Pressure (bar)	Eff.	Flow rate (lpm)	Pressure (bar)	Single phase	Three phase	
STP 1NS6LX1	1	0.75	83710	83810	83910	6LX1	93.6	273.6	0.72	69%	364.8	1.30	689.0	689.0	STP 1NS6LX1
STP 1½NS6LX1	1.5	1.1	83711	83811	83911	6LX1	104.8	288.8	0.96	70%	425.6	1.63	774.7	689.0	STP 1½NS6LX1
STP 2NS6LX1	2	1.5	83712	83812	83912	6LX1	119.0	304.0	1.32	70%	486.4	2.01	774.7	736.6	STP 2NS6LX1
STP 3NS6LX2	3	2.2	83713	83813	83913	6LX2	119.0	304.0	2.04	69%	486.4	3.60	1079.4	1003.3	STP 3NS6LX2
STP 1NS6L1	1	0.75	83714	83814	83914	6L1	93.6	273.6	0.84	72%	456.0	1.15	689.0	689.0	STP 1NS6L1
STP 1½NS6L1	1.5	1.1	83715	83815	83915	6L1	104.8	304.0	1.10	72%	532.0	1.46	774.7	689.0	STP 1½NS6L1
STP 2NS6L1	2	1.5	83716	83816	83916	6L1	119.0	349.6	1.44	72%	608.0	1.87	774.7	736.6	STP 2NS6L1
STP 5NS6L3	5	3.7	83717	83817	83917	6L3	119.0	349.6	3.36	72%	547.2	4.80	1079.4	1003.3	STP 5NS6L3
STP 1½NS6M1	1.5	1.1	83718	83818	83918	6M1	95.3	380.0	0.72	74%	608.0	1.08	806.5	720.7	STP 1½NS6M1
STP 2NS6M1	2	1.5	83719	83819	83919	6M1	108.0	395.2	1.08	77%	760.0	1.49	806.5	768.4	STP 2NS6M1
STP 3NS6M1	3	2.2	83720	83820	83920	6M1	119.0	456.0	1.44	74%	760.0	1.87	1022.2	946.2	STP 3NS6M1
STP 5NS6M2	5	3.7	83721	83821	83921	6M2	119.0	456.0	2.40	76%	760.0	3.60	1295.4	1143.0	STP 5NS6M2
STP 2NS6H1	2	1.5	83722	83822	83922	6H1	95.3	410.4	0.84	72%	608.0	1.15	806.5	768.4	STP 2NS6H1
STP 3NS6H1	3	2.2	83723	83823	83923	6H1	108.0	471.2	1.15	74%	760.0	1.54	1022.2	946.2	STP 3NS6H1
STP 5NS6H1	5	3.7	83724	83824	83924	6H1	119.0	501.6	1.54	74%	912.0	1.87	1174.8	1022.4	STP 5NS6H1
STP 7½NS6H2	7.5	5.5	n/a	83825	83925	6H2	119.0	501.6	2.88	74%	912.0	3.72	-	1157.3	STP 7½NS6H2
STP 3NS6X1	3	2.2	83726	83826	83926	6H1	109.5	668.8	0.91	65%	1140.0	1.51	1022.2	946.2	STP 3NS6X1
STP 5NS6X1	5	3.7	83727	83827	83927	6H1	119.0	714.4	1.27	71%	1216.0	1.97	1174.8	1022.4	STP 5NS6X1
STP 7½NS6X2	7.5	5.5	n/a	83828	83928	6X2	119.0	714.4	2.04	71%	1216.0	3.12	-	1157.3	STP 7½NS6X2
STP 5NS6W1	5	3.7	83729	83829	83929	6W1	119.0	1094.4	0.96	74%	1824.0	1.85	1174.8	1022.4	STP 5NS6W1
STP 7½NS6W2	7.5	5.5	n/a	83830	83930	6W2	119.0	1094.4	1.44	72%	1824.0	2.88	-	1157.3	STP 7½NS6W2
STP 7½NS8DH1	7.5	5.5	n/a	83831	83931	8DH1	108.0	1763.2	0.96	71%	2432.0	2.01	-	1224.0	STP 7½NS8DH1
STP 10NS8DH1	10	7.5	n/a	83832	83932	8DH1	116.5	1824.0	1.30	73%	2432.0	2.88	-	1255.7	STP 10NS8DH1
STP 15NS8DH1	15	11	n/a	83833	83933	8DH1	132.0	1884.8	1.87	73%	2432.0	3.24	-	1320.8	STP 15NS8DH1
STP 20NS8DH2	20	15	n/a	83834	83934	8DH2	132.0	1884.8	2.40	72%	2432.0	4.80	-	1557.3	STP 20NS8DH2
STP 15NS8DHH1	15	11	n/a	83835	83935	8DHH1	113.0	2188.8	1.49	70%	3040.0	2.28	-	1320.8	STP 15NS8DHH1
STP 20NS8DHH1	20	15	n/a	83836	83936	8DHH1	124.0	2371.2	1.78	71%	3040.0	2.76	-	1385.9	STP 20NS8DHH1
STP 25NS8DHH1	25	18.5	n/a	83837	83937	8DHH1	131.8	2523.2	1.99	72%	3040.0	3.12	-	1451.0	STP 25NS8DHH1
STP 30NS8DHH1	30	22	n/a	83838	83938	8DHH1	135.1	2644.8	2.21	72%	3040.0	3.21	-	1516.1	STP 30NS8DHH1