

MYERS® Predator Plus Series 4" Submersible Pumps

The Predator Plus Series 4" submersible pumps have a proven track record for reliability and performance, and are the preferred brand by many industry professionals. Stainless steel construction and self-lubricating impellers provide reliable performance under the most demanding conditions. The Predator Plus also features the Pentek® XE Series, high-thrust motor for increased efficiency and extended service life.

APPLICATIONS

■ **Water systems**...residential, industrial, commercial, multiple housing and farm clean water use.

SPECIFICATIONS

Shell – 300 Series Stainless Steel

Discharge – 300 Series Stainless Steel

Discharge Bearing – Nitrile rubber

Impellers – Engineered composite

Diffusers – Engineered composite

Suction Caps – Engineered composite

Shaft and Coupling – 300 Series Stainless Steel

Intake – 300 Series Stainless Steel

Intake Screen – 300 Series Stainless Steel

Cable Guard – 300 Series Stainless Steel

Internal Check Valve – Spring loaded

Fasteners – 304 Stainless Steel

FEATURES

Nothing Better – Top-of-the-line 4" submersible pump is unequalled in the marketplace.

Stainless Steel – Shell, discharge bowl, shaft and coupling, wear ring and suction screen – all lead-free.

Gritty Performance – Self-lubricating impellers resist abrasion from grit and sand – Teflon® impregnated staging proven to outlast the competition.

Supreme Power – Features the high-thrust Pentek XE motor for the ultimate in power, efficient performance and longer life. Thermal overload and lightning protected.

On the Job – Field serviceable, threaded pump assembly.

An Eye for Safety – Built-in eyelet for safety line connection.

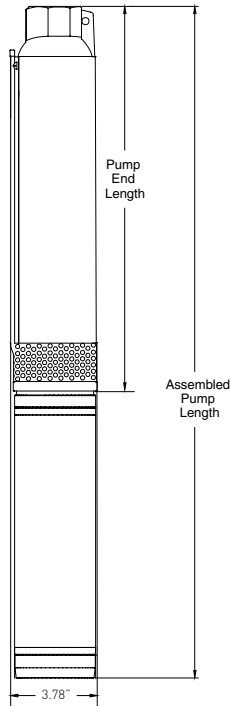
POWERED BY
PENTEK®



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MYERS® Predator Plus Series 4" Submersible Pumps

OUTLINE DIMENSIONS



CABLE SELECTION

THREE WIRE CABLE, 60 Hz (Service Entrance to Motor – Maximum Length in Feet)

Motor Rating		Wire Size, AWG										
HP	Volt	14	12	10	8	6	4	3	2	1	0	00
CSIR Control Boxes												
1/2	115	87	138	221	349	544	867	1090	1376	1734	2188	2761
1/2	230	348	553	883	1398	2175	3467	4359	5505	6935	8753	–
3/4	230	264	420	670	1061	1651	2632	3309	4178	5264	6644	8383
1	230	226	359	573	908	1413	2252	2831	3575	4504	5685	7173
CSCR Control Boxes												
1/2	230	447	711	1135	1797	2796	4458	5604	7078	8916	11254	–
3/4	230	348	553	883	1398	2175	3467	4359	5505	6935	8753	11044
1	230	304	484	772	1223	1903	3034	3814	4817	6068	7659	9663
1 1/2	230	197	314	501	793	1234	1968	2474	3124	3936	4968	6268
2	230	180	286	456	722	1123	1790	2251	2843	3581	4520	5703
3	230	133	211	337	534	830	1324	1664	2102	2648	3342	4217
5	230	–	–	206	326	507	809	1017	1284	1618	2042	2577

TWO WIRE CABLE, 60 Hz (Service Entrance to Motor – Maximum Length in Feet)

Motor Rating		Wire Size, AWG										
HP	Volt	14	12	10	8	6	4	3	2	1	0	00
1/2	115	115	183	293	463	721	1150	1445	1825	2299	2902	3662
1/2	230	466	742	1183	1874	2915	4648	5843	7379	9295	11733	–
3/4	230	342	545	869	1376	2141	3413	4291	5419	6826	8617	10871
1	230	241	383	611	968	1506	2400	3018	3811	4801	6060	7646
1 1/2	230	199	317	505	801	1246	1986	2496	3153	3972	5013	6325

MYERS® Predator Plus Series 4" Submersible Pumps

ORDERING INFORMATION												
GPM	Motor Type	HP	Stg.	PH	Volt	Assembled Pump			Pump End		Pentek® Motor	Control Box
						Catalog Number	Length Inches*	Weight Pounds*	Catalog Number	Length Inches*	Catalog Number	Catalog Number
5	2-Wire	1/2	11	1	115	2ST51-5PLUS-P4	22-1/2	36	ST5-5PLUS	13	P42B0005A1	
		1/2	11	1		2ST52-5PLUS-P4	22-1/2	36	ST5-5PLUS	13	P42B0005A2	
		3/4	15	1		2ST72-5PLUS-P4	26-1/2	40	ST72-5PLUS	16	P42B0007A2	
		1	19	1		2ST102-5PLUS-P4	30-1/2	45	ST10-5PLUS	18-1/2	P42B0010A2	
		1-1/2	26	1		2ST152-5PLUS-P4	39	54	ST15-5PLUS	23-1/2	P42B0015A2	
	3-Wire	1/2	11	1	230	3ST51-5PLUS-P4	22-1/2	33	ST5-5PLUS	13	P43B0005A1	—
		1/2	11	1		3ST52-5PLUS-P4	22-1/2	33	ST5-5PLUS	13	P43B0005A2	SMC-CR0521
		3/4	15	1		3ST72-5PLUS-P4	26-1/2	37	ST72-5PLUS	16	P43B0007A2	SMC-CR0721
		1	19	1		3ST102-5PLUS-P4	30-1/2	43	ST10-5PLUS	18-1/2	P43B0010A2	SMC-CR1021
		1-1/2	26	1		3ST152-5PLUS-P4	39	52	ST15-5PLUS	23-1/2	P43B0015A2	SMC-CR1521
8	2-Wire	1/2	9	1	115	2ST51-8PLUS-P4	22	35	ST5-8PLUS	12-1/2	P42B0005A1	
		1/2	9	1		2ST52-8PLUS-P4	22	35	ST5-8PLUS	12-1/2	P42B0005A2	
		3/4	12	1		2ST72-8PLUS-P4	26	39	ST7-8PLUS	15	P42B0007A2	
		1	15	1		2ST102-8PLUS-P4	29-1/2	42	ST10-8PLUS	17-1/2	P42B0010A2	
		1-1/2	20	1		2ST152-8PLUS-P4	37	49	ST15-8PLUS	21-1/2	P42B0015A2	
	3-Wire	1/2	9	1	230	3ST51-8PLUS-P4	22	33	ST5-8PLUS	12-1/2	P43B0005A1	—
		1/2	9	1		3ST52-8PLUS-P4	22	33	ST5-8PLUS	12-1/2	P43B0005A2	SMC-CR0521
		3/4	12	1		3ST72-8PLUS-P4	26	36	ST7-8PLUS	15	P43B0007A2	SMC-CR0721
		1	15	1		3ST102-8PLUS-P4	29-1/2	42	ST10-8PLUS	17-1/2	P43B0010A2	SMC-CR1021
		1-1/2	20	1		3ST152-8PLUS-P4	35	50	ST15-8PLUS	21-1/2	P43B0015A2	SMC-CR1521
		2	24	1					ST20-8PLUS	31	P43B0020A2	SMC-CR2021
		3	33	1					ST30-8PLUS	38	P43B0030A2	SMC-CR3021
12	2-Wire	1/2	7	1	115	2ST51-12PLUS-P4	21	34	ST5-12PLUS	11-1/2	P42B0005A1	
		1/2	7	1		2ST52-12PLUS-P4	21	34	ST5-12PLUS	11-1/2	P42B0005A2	
		3/4	9	1		2ST72-12PLUS-P4	24	38	ST7-12PLUS	13-1/2	P42B0007A2	
		1	11	1		2ST102-12PLUS-P4	27	44	ST10-12PLUS	15	P42B0010A2	
		1-1/2	16	1		2ST152-12PLUS-P4	34-1/2	51	ST15-12PLUS	19-1/2	P42B0015A2	
	3-Wire	1/2	7	1	230	3ST51-12PLUS-P4	21	33	ST5-12PLUS	11-1/2	P43B0005A1	—
		1/2	7	1		3ST52-12PLUS-P4	21	33	ST5-12PLUS	11-1/2	P43B0005A2	SMC-CR0521
		3/4	9	1		3ST72-12PLUS-P4	24	36	ST7-12PLUS	13-1/2	P43B0007A2	SMC-CR0721
		1	11	1		3ST102-12PLUS-P4	27	41	ST10-12PLUS	15	P43B0010A2	SMC-CR1021
		1-1/2	16	1		3ST152-12PLUS-P4	33	48	ST15-12PLUS	19-1/2	P43B0015A2	SMC-CR1521
		2	19	1					ST20-12PLUS	28	P43B0020A2	SMC-CR2021
		3	25	1					ST30-12PLUS	33	P43B0030A2	SMC-CR3021
		5	37	1					ST50-12PLUS	41-1/2	P43B0050A2	SMC-CR5021

*Length and weight are approximate.

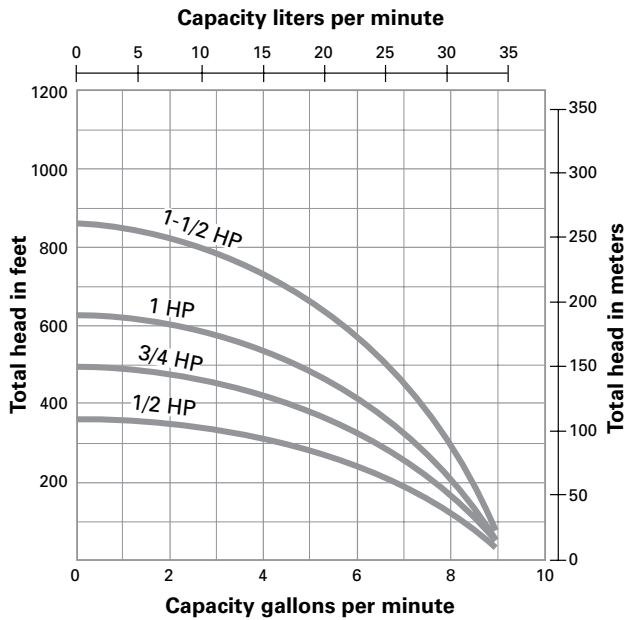
MYERS® Predator Plus Series 4" Submersible Pumps

ORDERING INFORMATION												
GPM	Motor Type	HP	Stg.	PH	Volt	Assembled Pump			Pump End		Pentek® Motor	Control Box
						Catalog Number	Length Inches*	Weight Pounds*	Catalog Number	Length Inches*	Catalog Number	Catalog Number
20	2-Wire	1/2	4	1	115	2ST51-20PLUS-P4	19	32	ST5-20PLUS	9-1/2	P42B0005A1	
		1/2	4	1	230	2ST52-20PLUS-P4	19	32	ST5-20PLUS	9-1/2	P42B0005A2	
		3/4	6	1		2ST72-20PLUS-P4	22-1/2	37	ST7-20PLUS	11-1/2	P42B0007A2	
		1	8	1		2ST102-20PLUS-P4	25-1/2	41	ST10-20PLUS	14	P42B0010A2	
		1-1/2	11	1		2ST152-20PLUS-P4	32	48	ST15-20PLUS	17	P42B0015A2	
	3-Wire	1/2	4	1	115	3ST51-20PLUS-P4	19	31	ST5-20PLUS	9-1/2	P43B0005A1	—
		1/2	4	1	230	3ST52-20PLUS-P4	19	31	ST5-20PLUS	9-1/2	P43B0005A2	SMC-CR0521
		3/4	6	1		3ST72-20PLUS-P4	22-1/2	34	ST7-20PLUS	11-1/2	P43B0007A2	SMC-CR0721
		1	8	1		3ST102-20PLUS-P4	25-1/2	39	ST10-20PLUS	14	P43B0010A2	SMC-CR1021
		1-1/2	11	1		3ST152-20PLUS-P4	30-1/2	46	ST15-20PLUS	17	P43B0015A2	SMC-CR1521
		2	14	1					ST20-20PLUS	25	P43B0020A2	SMC-CR2021
		3	18	1					ST30-20PLUS	29	P43B0030A2	SMC-CR3021
		5	29	1					ST50-20PLUS	42	P43B0050A2	SMC-CR5021

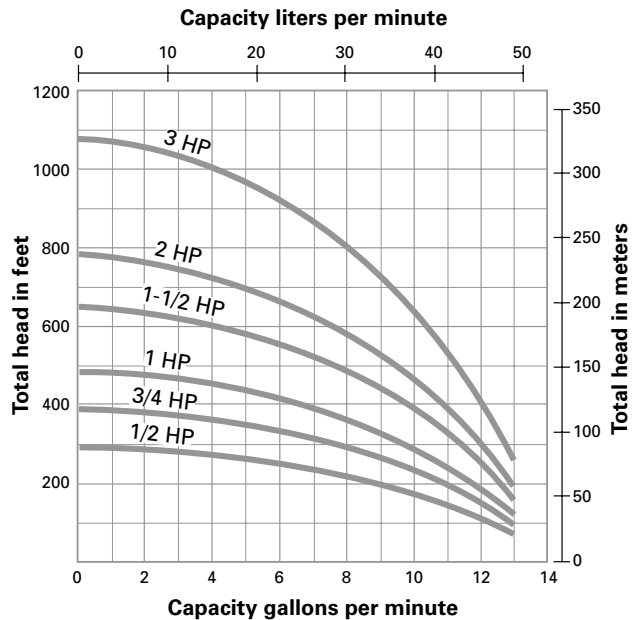
*Length and weight are approximate.

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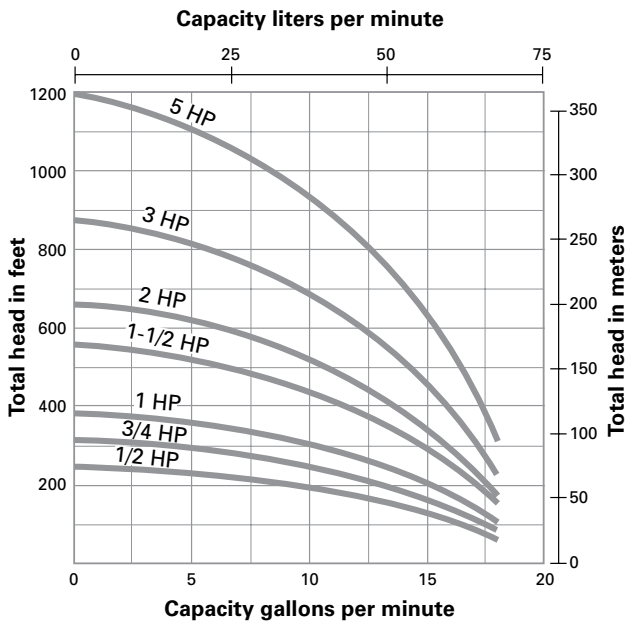
PUMP PERFORMANCE – 5 GPM



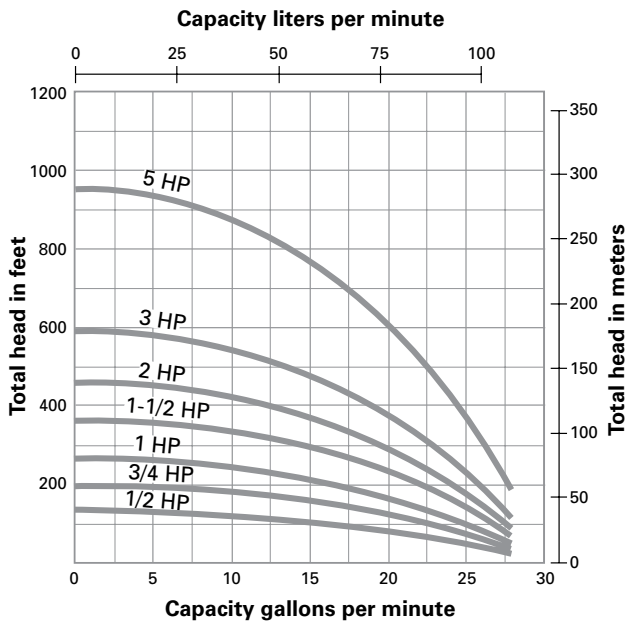
PUMP PERFORMANCE – 8 GPM



PUMP PERFORMANCE – 12 GPM



PUMP PERFORMANCE – 20 GPM



MYERS® Predator Plus Series 4" Submersible Pumps

PUMP PERFORMANCE																									
HP	2-Wire Cat. No.	3-Wire Cat. No.	Tank Pres.	Pumping Depth in Feet																					
				20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750	
5 GALLONS PER MINUTE																									
1/2	2ST51-5PLUS-P4* 2ST52-5PLUS-P4	3ST51-5PLUS-P4* 3ST52-5PLUS-P4	20/40					7.4	7.0	6.6	6.2	5.8	5.3	3.7											
			30/50			7.3	6.9	6.5	6.2	5.7	5.2	4.6													
			40/60		7.3	6.9	6.5	6.3	5.6	5.2	4.6	3.9													
3/4	2ST72-5PLUS-P4	3ST72-5PLUS-P4	20/40								7.4	7.2	6.8	6.1	5.3	4.2									
			30/50					7.3	7.1	6.7	6.5	6.2	5.3	4.3											
			40/60																						
1	2ST102-5PLUS-P4	3ST102-5PLUS-P4	20/40										7.1	6.5	5.9	5.3	4.4	3.3							
			30/50									7.4	6.8	6.3	5.6	4.9	3.9	2.5							
			40/60								7.4	7.2	6.6	6.0	5.3	4.6	3.4								
1-1/2	2ST152-5PLUS-P4	3ST152-5PLUS-P4	20/40											7.3	6.9	6.5	6.0	5.5	5.0	4.4	3.6	2.4			
			30/50												7.4	7.0	6.6	6.2	5.7	5.2	4.7	4.0	3.0		
			40/60												7.3	6.8	6.5	6.0	5.5	5.0	4.4	3.6	2.4		
8 GALLONS PER MINUTE																									
1/2	2ST51-8PLUS-P4* 2ST52-8PLUS-P4	3ST51-8PLUS-P4* 3ST52-8PLUS-P4	20/40				11.0	10.3	9.5	8.5	7.5	6.0													
			30/50		10.8	10.1	9.3	8.3	7.1	5.7															
			40/60	10.8	10.1	9.3	8.3	7.1	5.7																
3/4	2ST72-8PLUS-P4	3ST72-8PLUS-P4	20/40							10.7	10.2	9.6	9.0	6.8											
			30/50					10.6	10.0	9.5	8.8	8.0	5.5												
			40/60					10.6	10.0	9.5	8.8	8.0	7.1												
1	2ST102-8PLUS-P4	3ST102-8PLUS-P4	20/40									11.0	10.6	9.3	7.9	5.8									
			30/50							10.9	10.5	10.0	9.5	8.1	6.2										
			40/60							10.9	10.5	10.0	9.5	8.1	6.2										
1-1/2	2ST152-8PLUS-P4	3ST152-8PLUS-P4	20/40											11.1	10.4	9.5	8.4	7.2	5.5						
			30/50												10.7	10.0	9.0	7.7	6.3	4.6					
			40/60												10.5	9.6	8.5	7.3	5.7						
2	ST20-8PLUS	ST20-8PLUS	20/40													10.8	10.0	9.2	8.3	7.2	6.0				
			30/50													11.0	10.5	9.7	8.9	7.9	6.7	5.4			
			40/60													10.8	10.1	9.3	8.4	7.3	6.0				
3	ST30-8PLUS	ST30-8PLUS	20/40															10.8	10.3	9.8	9.1	8.5	7.7		
			30/50																11.0	10.6	10.1	9.5	8.9	8.2	7.5
			40/60																10.9	10.4	9.8	9.2	8.5	7.8	7.0
12 GALLONS PER MINUTE																									
1/2	2ST51-12PLUS-P4* 2ST52-12PLUS-P4	3ST51-12PLUS-P4* 3ST52-12PLUS-P4	20/40			15.0	13.5	12.0	10.3	8.0															
			30/50		14.5	13.0	11.5	9.8	7.2																
			40/60	14.5	13.0	11.5	9.8	7.2																	
3/4	2ST72-12PLUS-P4	3ST72-12PLUS-P4	20/40				15.7	14.7	13.7	12.6	11.2	9.8	8.0												
			30/50			15.5	14.5	13.4	12.2	10.9	9.4	7.5													
			40/60		15.5	14.5	13.4	12.2	10.9	9.4	7.5														
1	2ST102-12PLUS-P4	3ST102-12PLUS-P4	20/40					15.5	14.7	13.7	12.7	11.9	8.7												
			30/50					15.3	14.5	13.5	12.6	11.6	10.5												
			40/60				15.3	14.5	13.5	12.6	11.6	10.5	9.2												
1-1/2	2ST152-12PLUS-P4	3ST152-12PLUS-P4	20/40									15.6	14.2	12.6	10.8	8.5									
			30/50									15.4	14.9	13.4	11.7	9.7									
			40/60								15.4	14.9	14.3	12.8	11.0	8.8									
2	ST20-12PLUS	ST20-12PLUS	20/40											14.5	13.1	11.7	10.0	8.0							
			30/50												15.0	13.8	12.5	10.9	9.0						
			40/60												14.5	13.3	11.9	10.2	8.3						
3	ST30-12PLUS	ST30-12PLUS	20/40														14.8	13.8	12.7	11.6	10.5	9.0			
			30/50														15.2	14.3	13.3	12.2	11.0	9.7			
			40/60														14.9	13.9	12.9	11.7	10.5	9.1			

All pumps wired for 230 volt operation.

Values based on 1" minimum diameter pipe.

*These 1/2 HP pumps are available with 115 Volt motors.

MYERS® Predator Plus Series 4" Submersible Pumps

PUMP PERFORMANCE																								
HP	2-Wire Cat. No.	3-Wire Cat. No.	Tank Pres.	Pumping Depth in Feet																				
				20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750
20 GALLONS PER MINUTE																								
3/4	2ST72-20PLUS-P4	3ST72-20PLUS-P4	20/40 30/50 40/60	23.5 21.5 19.5	22.0 19.5 16.0	20.0 16.0	17.0																	
1	2ST102-20PLUS-P4	3ST102-20PLUS-P4	20/40 30/50 40/60	24.0 23.0	24.5 23.0 21.5	23.0 21.5 20.0	22.0 17.5 14.5	20.5 17.5 14.5	18.0 15.5															
1-1/2	2ST152-20PLUS-P4	3ST152-20PLUS-P4	20/40 30/50 40/60		24.5 24.5	23.5 23.5	22.5 22.5	21.5 21.5	20.0 20.0	18.5 18.5	16.5 14.5	17.0 14.5												
2		ST20-20PLUS	20/40 30/50 40/60					23.6 23.6	23.0 23.0	22.2 22.2	21.3 21.3	20.4 19.3	21.5 20.5	19.0 17.0	15.0									
3		ST30-20PLUS	20/40 30/50 40/60						24.0	23.7 23.6	23.1 23.1	22.5 22.5	21.0 21.0	22.4 18.8	20.8 15.5	18.5 15.8	15.4							
5		ST50-20PLUS	20/40 30/50 40/60											24.4 24.0	23.6 23.3	22.8 22.4	22.0 21.4	21.5 20.2	20.0 18.8	18.7 17.0	17.0 15.0	15.0		

All pumps wired for 230 volt operation.

Values based on 1" minimum diameter pipe.

*These 1/2 HP pumps are available with 115 Volt motors.

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