

S series – stainless steel

Precision engineered stainless steel 4" submersible pumps that deliver dependable performance and efficiency in all applications. Heads to 1000 feet and capabilities to 35 GPM. Built to deliver long-term, trouble-free service. FDA compliant engineered composite and stainless steel components.

- ▶ **Cast Stainless Steel Discharge Head** – Strong, corrosion resistant and lead free
- ▶ **Built-in Flomatic® brand spring-loaded check valve poppet** – Positive sealing, field-proven, non-spin design
- ▶ **Lubricated and Sealed Top "A+" Bearing** – Seal keeps out sand. Lubrication prevents failure in dry run and gaseous well situations
- ▶ **Precision Molded, High-Impact Thermax™ Impellers "Float" in**
- Diffuser Stages Fitted with Stainless Steel Wear Rings** – Superior sand handling and dry run capacities. No shims needed here
- ▶ **Stainless Steel Cable Guard, Precision Machined Pump Shell and Hardware** – Strong and corrosion resistant
- ▶ **Cast Stainless Steel Motor Bracket** – Rugged, yet provides easy access to coupling and motor mounting hardware for service
- ▶ **Wrap Around Suction Screen** – Prevents debris from entering pump, while minimizing entrance losses
- ▶ **Aermotor Pump** – Driven by two- or three-wire water-lubricated motors with thermal overload and built-in lightning protection. Reliable, corrosion resistant, internationally recognized submersible motor built to NEMA standards and UL approved.



specifications

Discharge Head – 303 grade stainless steel, 1-1/4" NPT

Internal Check Valve – Acetal poppet, 300 grade stainless steel spring, nitrile Buna-N seal

Pump Shell – 304 grade stainless steel

Motor Bracket – 303 grade stainless steel

Intake Screen – 5-22 GPM: Polyethylene; 25 GPM: Stainless steel

Cable Guard – 304 grade stainless steel

Cable Guard Screws – 300 grade stainless steel (18-8)

Pump Shaft – 300 grade stainless steel, 1-1/2 HP and larger*

Motor Coupling – 316 grade stainless steel

Spacer Sleeve Journal, Bottom – 316 grade stainless steel

Bearing Sleeve Journal, Top – 316 grade stainless steel

Stage Diffuser – Glass-filled Noryl® (GFN-2, 20%)

Diffuser Insert – 300 grade stainless steel

Impeller – 5-22 GPM: Lexan®; 25 GPM: Glass-filled Noryl® (GFN-2, 20%)

Stage Disc Plate – 5-22 GPM: Delrin® (Acetal); 25 GPM: Glass-filled Noryl® (GFN-2, 20%)

Disc Plate Wear Ring – 300 grade stainless steel

A+ Top Bearing – Delrin® (Acetal)

Upthrust Disc (5 GPM Models) – 5-22 GPM: Phenolic; 25 GPM: N/A

Bearing Seal Ring – NSF 61 Nitrile

Motor Lead Protector – Temflex®

Serrated Nuts (Motor Studs) – 300 grade stainless steel (18-8)

*400 grade stainless steel – 1/2 and 1 HP

application

Water systems... for residential, industrial, commercial, multiple housing and farm use.

certification



This product is Listed to UL and CSA Standards for Safety by CSA International.

Delrin® is a registered trademark of E.I. DuPont de Nemours and Co. Flomatic® is a registered trademark of Flomatic Corp. Lexan®, Noryl®, and Temflex® are registered trademarks of General Electric Co. Thermax™ is a trademark of WICOR Industries.

4" SUBMERSIBLE PUMPS – 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR®**

S series – stainless steel

ordering information – single phase

HP	Series	GPM	Stages	Volt.	2 WIRE* Pump and Motor w/Motor Lead			3 WIRE* Pump and Motor w/Motor Lead Order Control Box Separately			Control Box All Three Wire Units			
					Order No.	Length	Weight	Order No.	Length	Weight	Order No.	Weight		
1/2	S5	5	13	115	02188	25	31	02190	25	31	280 104 49	3		
				230	02189			02191			280 105 49			
	S8	8	10	115	02204	22-3/4	30	02206	22-3/4	30	280 104 49			
				230	02205			02207			280 105 49			
	S12	12	8	115	02218	21-1/4	28	02220	21-1/4	29	280 104 49			
				230	02219			02221			280 105 49			
	S16	16	7	115	02367	22-3/4	28	02370	22-3/4	29	280 104 49			
				230	02368			02369			280 105 49			
	S20	20	6	115	02795	21-1/4	26	02799	21-1/4	26	280 104 49			
				230	02796			02900			280 105 49			
	3/4	S5	5	19	230	02242	30-5/8	37	02243	30-5/8	36		280 107 49	3
		S8	8	13	230	02208	26	34	02209	26	34			
S12		12	11	230	02222	24-5/8	33	02223	24-5/8	33				
S16		16	10	230	02371	26-7/8	33	02372	26-7/8	33				
S20		20	9	230	02228	25-3/8	33	02229	25-3/8	32				
S25		25	6	230	02284	24	29	02285	24	32				
1	S5	5	22	230	02192	34-7/8	40	02193	34-7/8	41	280 108 49	3		
	S8	8	16	230	02210	29-1/2	38	02211	29-1/2	38				
	S12	12	14	230	02224	28	37	02225	28	37				
	S16	16	12	230	02365	30	37	02363	30	37				
	S20	20	11	230	02230	28-1/2	37	02231	28-1/2	36				
	S22	22	9	230	02240	29-5/8	36	02241	29-5/8	35				
	S25	25	8	230	02286	27-3/4	32	02287	27-3/4	31				
1-1/2	S5	5	29	230	02194	43-1/2	55	02195	42	47	282 300 81	7		
	S8	8	22	230	02212	38-1/8	51	02213	36-5/8	44				
	S12	12	19	230	02226	35	54	02227	33-1/2	42				
	S16	16	17	230	02366	38-3/8	53	02364	36-7/8	42				
	S20	20	15	230	02232	35-7/8	51	02233	34-1/4	43				
	S25	25	11	230	02288	40-3/8	51	02289	38-7/8	43				

Discharge head tapped 1-1/4" FPT. Includes built-in Flomatic® poppet.

* Pump end, motor and lead factory assembled and tested as a complete unit.

4" submersible pumps

4" SUBMERSIBLE PUMPS – 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR®**

S series – stainless steel

ordering information – single phase (cont'd.)

HP	Series	GPM	Stages	Volt.	Pump End Assembly*			3 WIRE ² Motor and Lead Assembly			Control Box ¹	
					Order No.	Length	Weight	Order No.	Length	Weight	Order No.	Weight
2	S5	5	34	230	88600	32	22	224 301 92	15-1/8	32	282 301 81	7
	S8	8	28	230	88608	27-1/2	19					
	S12	12	21	230	88612	22-3/8	17					
	S16	16	22	230	89214	28-1/4	17					
	S20	20	19	230	88618	25-1/2	18					
3	S25	25	14	230	88920	23-3/4	16	224 302 26	23-1/2	52	282 302 81	8
	S8	8	34	230	88609	32	22					
	S12	12	28	230	88613	27-1/2	19					
	S16	16	28	230	89215	34-1/4	19					
5	S20	20	24	230	88619	30-1/2	22	224 303 52	29-1/2	69	282 113 81	14
	S25	25	19	230	88921	30-1/4	18					
	S12	12	42	230	88718	39	36					
	S16	16	49	230	89216	56	36					
	S20	20	34	230	88620	40-1/2	28					
	S25	25	31	230	88922	45-7/8	26					

NOTE: Discharge head tapped 1-1/4" FPT. Includes built-in Flomatic® poppet.

¹ Magnetic contactor required for 3 HP and larger units – order separately or as part of deluxe control box.

² 2 HP motor includes 48" lead, 3 HP and above motors include 100" lead.

* Pump end factory tested, but shipped separate from motor/lead assembly.

ordering information – pump end assemblies (PEAs)

HP	Series	GPM	Stages	Pump End Assembly – Internal Poppet		
				Order No.	Length	Weight
1/2	S5	5	13	88597	15-1/2	13
	S8	8	10	88604	13-1/4	9
	S12	12	8	88592	11-3/4	7
	S16	16	7	89220	13-1/4	7
	S20	20	6	88963	11-3/4	6
3/4	S5	5	19	88660	20	12
	S8	8	13	88605	15-1/2	10
	S12	12	11	88593	14	11
	S16	16	10	89221	16-1/4	11
	S20	20	9	88615	14-3/4	9
	S25	25	6	88917	13-3/8	7
1	S5	5	22	88598	23	14
	S8	8	16	88606	17-3/4	12
	S12	12	14	88594	16-1/4	12
	S16	16	12	89222	18-1/4	12
	S20	20	11	88616	16-3/4	10
	S22	22	9	88659	17-1/2	9
	S25	25	8	88918	16	8
1-1/2	S5	5	29	88599	28-3/8	18
	S8	8	22	88607	23	14
	S12	12	19	88595	20	13
	S16	16	17	89219	23-1/4	13
	S20	20	15	88617	20-3/4	13
	S25	25	11	88919	19-7/8	11

NOTE: Includes built-in Flomatic® poppet.

4" SUBMERSIBLE PUMPS – 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR**

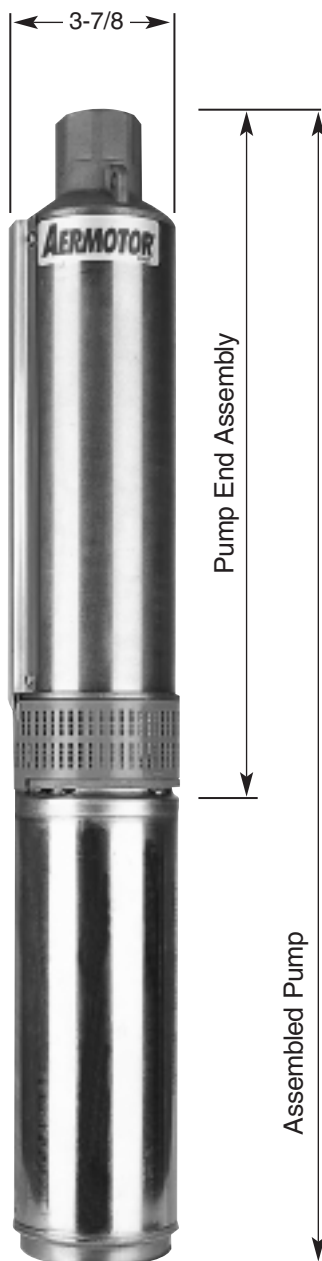
S series – stainless steel

outline dimensions

Discharge

5 GPM	1-1/4" NPT
8 GPM	1-1/4" NPT
12 GPM	1-1/4" NPT
16 GPM	1-1/4" NPT
20 GPM	1-1/4" NPT
22 GPM	1-1/4" NPT
25 GPM	1-1/4" NPT

For lengths, refer to Ordering Information tables.

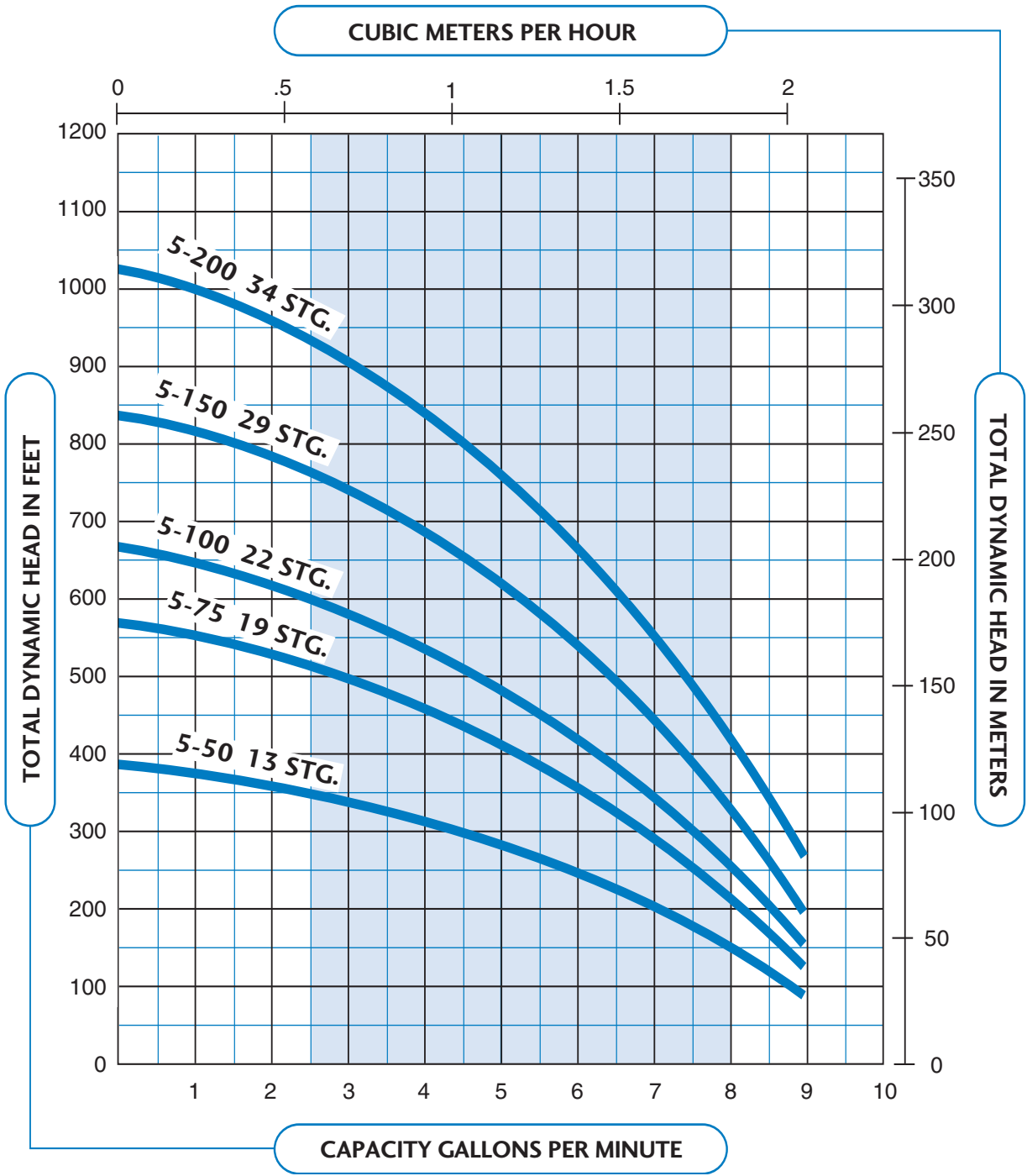


Dimensions (in inches) are for estimating purposes only.

4" SUBMERSIBLE PUMPS – 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR®**

S series – stainless steel

5 GPM pump performance



SHADED AREAS INDICATE MOST ECONOMICAL RANGE

4" SUBMERSIBLE PUMPS – 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR®**

S series – stainless steel

5 GPM pump performance

Pumping capacities in gallons per minute at indicated discharge pressures in pounds per square inch.

1-1/4" NPT DISCHARGE

Model Number	HP	PSI	Depth to Water in Feet																Shutoff Head			
			20	40	60	80	100	125	150	175	200	225	250	275	300	350	400	450	500	FEET	PSI	
5-50 (13-STG)	1/2	20	-	-	-	-	7.9	7.5	7.1	6.6	6.0	5.4	4.7	3.8	2.8						388	168
		30	-	-	-	7.8	7.5	7.1	6.6	6.1	5.4	4.8	3.9	2.9								
		40	-	-	7.8	7.5	7.1	6.7	6.1	5.5	4.8	4.0	3.0									
		50	-	7.8	7.4	7.1	6.7	6.2	5.8	4.8	4.1	3.1										
		60	7.7	7.3	7.0	6.7	6.2	5.6	4.9	4.2	3.2											
5-75 (19-STG)	3/4	20	-	-	-	-	-	-	7.8	7.5	7.3	6.9	6.6	6.2	5.3	4.3	3.0			564	244	
		30	-	-	-	-	-	7.9	7.6	7.3	6.9	6.6	6.2	5.8	4.9	3.8						
		40	-	-	-	-	7.9	7.6	7.3	6.9	6.6	6.3	5.8	5.4	4.4	3.1						
		50	-	-	-	7.9	7.6	7.3	7.0	6.7	6.3	5.8	5.4	4.9	3.8							
		60	-	-	-	7.9	7.7	7.3	7.0	6.7	6.3	5.9	5.5	5.0	4.5	3.3						

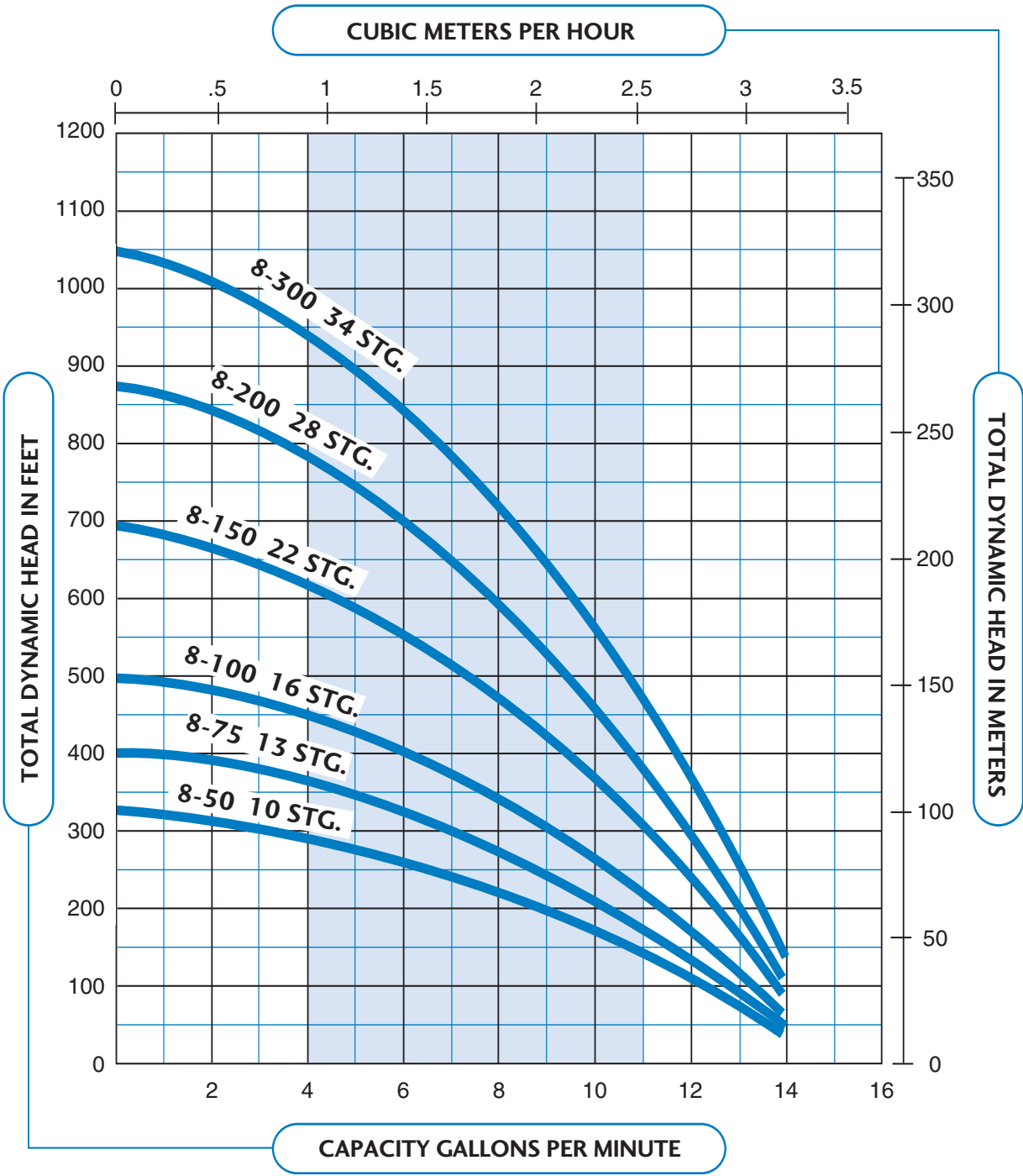
Model Number	HP	PSI	Depth to Water in Feet																Shutoff Head		
			200	225	250	275	300	350	400	450	500	550	600	650	700	750	800	850	900	FEET	PSI
5-100 (22-STG)	1	20	7.9	7.7	7.4	7.1	6.8	6.3	5.5	4.8	3.7									647	280
		30	7.7	7.4	7.2	6.8	6.6	5.9	5.2	4.3	3.1										
		40	7.4	7.2	6.9	6.6	6.3	5.6	4.8	3.8											
		50	7.2	6.9	6.6	6.3	6.0	5.3	4.3	3.3											
		60	6.9	6.7	6.3	6.0	5.7	4.8	3.9	2.5											
5-150 (29-STG)	1-1/2	20	-	-	-	8.0	7.8	7.3	6.9	6.4	5.8	5.3	4.7	3.9	2.8					835	361
		30	-	-	8.0	7.8	7.6	7.2	6.7	6.2	5.6	5.0	4.3	3.4							
		40	-	-	7.8	7.6	7.4	6.9	6.4	5.9	5.3	4.7	3.9	2.9							
		50	-	7.8	7.7	7.4	7.2	6.7	6.2	5.6	5.1	4.3	3.5								
		60	7.8	7.7	7.4	7.2	7.0	6.5	5.9	5.3	4.8	4.0	3.0								
5-200 (34-STG)	2	20	-	-	-	-	-	7.7	7.3	7.0	6.6	6.1	5.7	5.2	4.7	4.1	3.4	2.5		1016	440
		30	-	-	-	-	7.9	7.5	7.2	6.8	6.4	5.9	5.5	5.0	4.4	3.8	3.0				
		40	-	-	-	-	7.7	7.3	7.0	6.6	6.1	5.7	5.2	4.7	4.1	3.5	2.6				
		50	-	-	-	7.9	7.6	7.2	6.8	6.4	6.0	5.5	5.0	4.5	3.8	3.1					
		60	-	-	-	7.9	7.8	7.4	7.0	6.6	6.2	5.8	5.3	4.7	4.2	3.5	2.7				

4" submersible pumps

4" SUBMERSIBLE PUMPS – 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR®**

S series – stainless steel

8 GPM pump performance



SHADED AREAS INDICATE MOST ECONOMICAL RANGE

4" SUBMERSIBLE PUMPS – 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR®**

S series – stainless steel

8 GPM pump performance

Pumping capacities in gallons per minute at indicated discharge pressures in pounds per square inch.

1-1/4" NPT DISCHARGE

Model Number	HP	PSI	Depth to Water in Feet																	Shutoff Head		
			20	40	60	80	100	125	150	175	200	225	250	275	300	350	400	450	500	FEET	PSI	
8-50 (10-STG)	1/2	20	-	-	-	-	10.3	9.5	8.7	7.6	6.3	4.8									307	133
		30	-	-	10.8	10.3	9.5	8.7	7.6	6.3	4.8											
		40	-	10.7	10.2	9.4	8.7	7.5	6.4	4.9												
		50	10.7	10.0	9.3	8.5	7.8	6.5	5.0													
		60	9.9	9.2	8.4	7.6	6.6	5.1														
8-75 (13-STG)	3/4	20	-	-	-	-	11.0	10.3	9.6	8.8	8.1	7.3	6.3	5.1							400	173
		30	-	-	-	-	10.4	9.7	8.9	8.2	7.3	6.4	5.3									
		40	-	-	-	10.9	10.4	9.8	9.0	8.2	7.3	6.4	5.3									
		50	-	-	10.9	10.3	9.8	9.1	8.3	7.4	6.5	5.4	4.0									
		60	-	10.8	10.3	9.7	9.1	8.3	7.5	6.7	5.5	4.2										
8-100 (16-STG)	1	20	-	-	-	-	-	10.9	10.3	9.8	7.1	8.4	7.8	6.2	4.0						492	213
		30	-	-	-	-	-	10.9	10.4	9.8	9.2	8.5	7.8	7.1	5.3							
		40	-	-	-	-	11.8	10.0	9.8	9.2	8.6	7.8	7.1	6.3	4.2							
		50	-	-	-	-	11.0	10.5	9.9	9.3	8.6	7.9	7.2	6.4	5.4							
		60	-	-	-	10.9	10.5	10.0	9.3	8.7	8.0	4.2	6.4	5.5	4.4							
8-150 (22-STG)	1-1/2	20	-	-	-	-	-	-	-	-	-	11.0	10.6	10.2	9.3	8.3	7.3	6.2			677	293
		30	-	-	-	-	-	-	-	-	-	11.0	10.6	10.2	9.8	8.8	7.8	6.8	5.6			
		40	-	-	-	-	-	-	-	-	-	11.0	10.6	10.2	9.8	8.8	7.8	6.8	5.6			
		50	-	-	-	-	-	-	-	-	11.1	10.7	10.3	9.8	9.4	8.9	7.9	6.8	5.7	4.0		
		60	-	-	-	-	-	-	-	10.7	10.3	9.8	9.4	9.0	8.5	7.5	6.4	5.0				

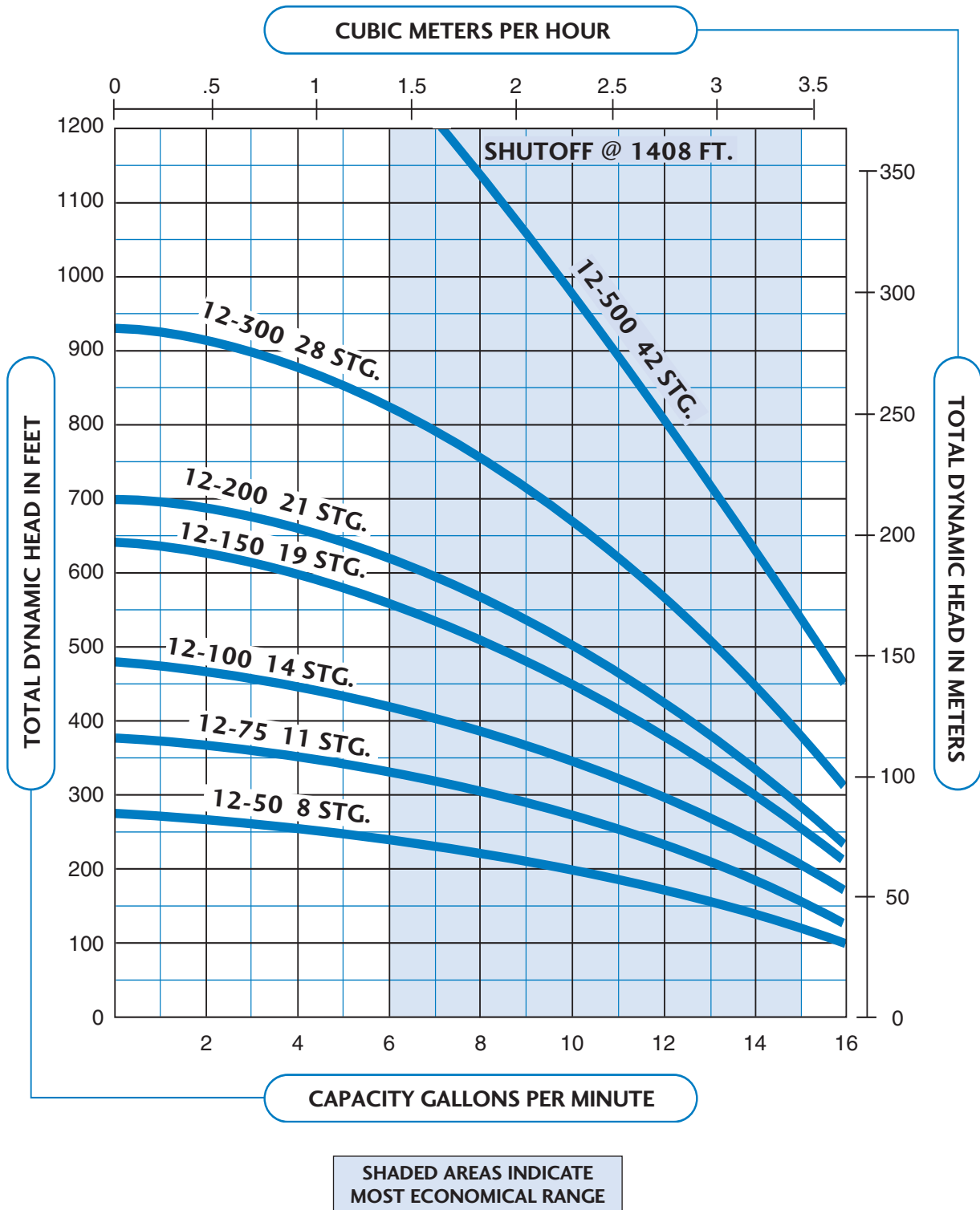
Model Number	HP	PSI	Depth to Water in Feet																	Shutoff Head		
			200	225	250	275	300	350	400	450	500	550	600	650	700	750	800	850	900	FEET	PSI	
8-200 (28-STG)	2	20	-	-	-	-	-	10.8	10.2	8.4	8.7	7.9	7.2	6.2	5.0						862	373
		30	-	-	-	-	-	10.5	9.8	9.1	8.3	7.5	6.7	5.7	4.4							
		40	-	-	-	-	10.6	10.2	10.2	8.8	8.0	7.2	6.3	5.2								
		50	-	-	-	10.8	10.5	9.8	9.2	8.4	7.6	6.8	5.8	4.5								
		60	-	-	10.8	10.5	10.2	9.5	8.8	8.0	7.2	6.3	5.2									
8-300 (34-STG)	3	20	-	-	-	-	-	-	10.5	10.0	9.5	9.0	8.4	7.7	7.0	6.2	5.2			1042	451	
		30	-	-	-	-	-	-	10.8	10.3	9.8	9.6	8.7	8.1	7.4	6.7	5.7	4.6				
		40	-	-	-	-	-	-	10.8	10.1	9.5	9.0	8.4	7.8	7.1	6.2	5.2	4.0				
		50	-	-	-	-	-	10.8	10.3	9.8	9.3	8.7	8.2	7.5	6.7	5.7	4.7					
		60	-	-	-	-	-	10.6	10.1	9.5	9.1	8.4	7.8	7.1	6.3	5.3	4.1					

4" submersible pumps

4" SUBMERSIBLE PUMPS – 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR**

S series – stainless steel

12 GPM pump performance



4" SUBMERSIBLE PUMPS – 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR®**

S series – stainless steel

12 GPM pump performance

Pumping capacities in gallons per minute at indicated discharge pressures in pounds per square inch.

1-1/4" NPT DISCHARGE

Model Number	HP	PSI	Depth to Water in Feet																	Shutoff Head	
			20	40	60	80	100	125	150	175	200	225	250	275	300	350	400	450	500	FEET	PSI
12-50 (8-STG)	1/2	20	-	-	15.0	14.0	13.0	11.5	9.5	7.2										265	115
		30	-	14.9	13.8	12.8	11.6	9.8	7.3												
		40	14.8	13.8	12.6	11.3	9.8	7.6													
		50	13.5	12.4	11.1	9.7	7.8														
		60	12.2	10.9	7.7	7.5															
12-75 (11-STG)	3/4	20	-	-	-	-	14.3	13.4	12.3	11.0	9.6	8.1	6.3						365	158	
		30	-	-	-	15.0	14.4	13.5	12.4	11.2	9.8	8.2	6.5								
		40	-	-	14.9	14.3	13.6	12.5	11.2	9.8	8.3	6.6									
		50	-	14.8	14.2	13.5	12.6	11.3	9.9	8.4	6.7										
		60	14.7	14.1	13.3	12.5	11.4	10.1	8.5	6.8											
12-100 (14-STG)	1	20	-	-	-	-	-	15.0	14.3	13.5	12.7	11.8	10.8	9.7	7.2				467	202	
		30	-	-	-	-	-	15.0	14.3	13.7	12.8	11.8	10.8	9.8	8.7						
		40	-	-	-	-	-	14.4	13.7	12.8	11.9	11.0	9.8	8.7	7.3						
		50	-	-	-	-	14.5	13.8	12.9	12.0	11.0	10.0	8.8	7.5	6.0						
		60	-	-	14.9	14.3	13.8	13.0	12.1	11.2	10.0	8.9	7.7	6.2							

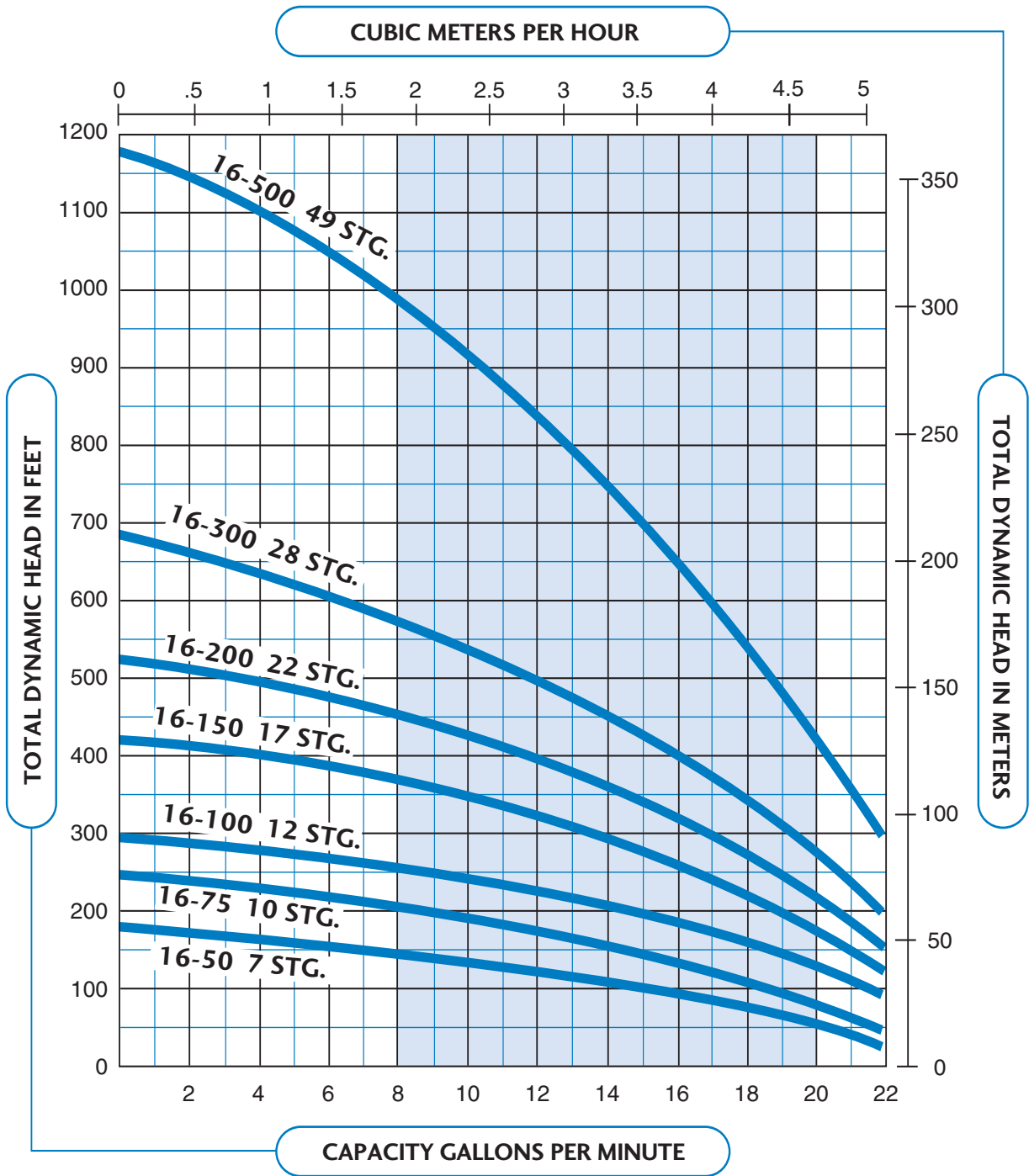
Model Number	HP	PSI	Depth to Water in Feet																	Shutoff Head	
			100	125	150	175	200	225	250	275	300	350	400	450	500	550	600	650	700	FEET	PSI
12-150 (19-STG)	1-1/2	20	-	-	-	-	-	14.7	14.2	13.6	12.8	11.5	10.0	8.3	6.5				632	274	
		30	-	-	-	-	14.8	14.3	13.7	13.0	12.3	10.8	9.3	7.5							
		40	-	-	-	14.8	14.3	13.7	13.0	12.3	11.6	10.1	8.5	6.7							
		50	-	-	14.8	14.3	13.7	13.0	12.3	11.7	10.9	9.3	7.7								
		60	-	14.8	14.3	13.8	13.1	12.4	11.7	11.0	10.2	8.7	6.8								
12-200 (21-STG)	2	20	-	-	-	-	-	14.8	14.3	13.8	12.6	11.3	9.8	8.4	6.8				698	302	
		30	-	-	-	-	-	14.8	14.3	13.8	13.3	12.0	10.7	9.2	7.7	6.0					
		40	-	-	-	-	14.8	14.3	13.8	13.3	12.7	11.3	10.0	8.5	7.0						
		50	-	-	-	14.8	14.4	13.9	13.3	12.8	12.1	10.8	9.3	7.8	6.2						
		60	-	-	14.9	14.5	13.9	13.4	12.8	12.2	11.5	10.2	8.7	7.1							
12-300 (28-STG)	3	20	-	-	-	-	-	-	-	-	14.8	14.0	13.2	12.2	11.2	10.2	9.2	8.0	930	403	
		30	-	-	-	-	-	-	-	-	14.4	13.7	12.7	11.8	10.8	9.7	8.7	7.5			
		40	-	-	-	-	-	-	-	-	14.8	14.0	13.2	12.3	11.3	10.3	9.2	8.1			6.8
		50	-	-	-	-	-	-	-	14.8	14.5	13.7	12.8	11.8	10.8	9.8	8.7	7.5			6.2
		60	-	-	-	-	-	-	14.8	14.5	14.2	13.3	12.3	11.3	10.3	9.3	8.2	7.0			

Model Number	HP	PSI	Depth to Water in Feet																	Shutoff Head	
			600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	FEET	PSI
12-500 (42-STG)	5	20	13.8	13.3	12.7	12.2	11.6	11.1	10.5	9.9	9.2	8.6	7.9	7.1	6.3				1408	610	
		30	13.5	13.0	12.4	11.9	11.4	10.8	10.2	9.6	9.0	8.3	7.6	6.8							
		40	13.3	12.7	12.2	11.6	11.1	10.5	9.9	9.3	8.6	7.9	7.2	6.3							
		50	13.0	12.5	12.0	11.4	10.8	10.3	9.6	9.0	8.3	7.6	6.8								
		60	12.8	12.3	11.7	11.2	10.6	10.0	9.3	8.7	8.0	7.3	6.5								

4" submersible pumps

S series – stainless steel

16 GPM pump performance



SHADED AREAS INDICATE MOST ECONOMICAL RANGE

4" SUBMERSIBLE PUMPS – 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR®**

S series – stainless steel

16 GPM pump performance

Pumping capacities in gallons per minute at indicated discharge pressures in pounds per square inch.

1-1/4" NPT DISCHARGE

Model Number	HP	PSI	Depth to Water in Feet																	Shutoff Head	
			20	40	60	80	100	125	150	175	200	225	250	275	300	350	400	450	500	FEET	PSI
16-50 (7-STG)	1/2	20	21.5	19.0	16.5	14.0	9.0													163	71
		30	20.2	16.5	13.5	8.5															
		40	15.5	12.0	6.0																
		50	10.0																		
		60																			
16-75 (10-STG)	3/4	20	-	-	20.7	19.0	17.7													240	104
		30	-	20.5	19.0	17.5	15.5														
		40	20.0	17.5	16.2	15.5	11.5														
		50	17.5	16.5	15.0	12.0															
		60	16.0	13.0	11.0																
16-100 (12-STG)	1	20	-	-	-	22.5	21.5	19.5	17.0											290	126
		30	-	-	22.5	20.7	19.5	17.0	14.0												
		40	-	21.6	21.0	18.8	17.2	15.0	10.5												
		50	21.5	20.5	19.5	17.0	15.2	11.0													
		60	20.2	18.5	16.3	14.0	11.5														
16-150 (17-STG)	1-1/2	20	-	-	-	-	-	-	22.5	21.0	19.8	17.8	16.0	14.0	11.8					410	178
		30	-	-	-	-	-	22.8	21.0	19.8	18.6	16.0	14.5	12.0							
		40	-	-	-	-	23.0	21.2	19.8	18.5	17.5	14.5	11.5								
		50	-	-	-	23.0	21.5	20.0	18.2	16.5	15.5	12.0									
		60	-	-	22.5	21.2	20.0	18.4	17.0	15.5	12.0										
16-200 (22-STG)	2	20	-	-	-	-	-	-	-	-	-	22.3	21.3	19.8	18.5	17.3				521	226
		30	-	-	-	-	-	-	-	-	22.5	21.5	20.0	18.8	17.5	16.0					
		40	-	-	-	-	-	-	-	22.4	21.3	20.0	19.0	17.5	16.0	14.5					
		50	-	-	-	-	-	22.5	21.5	20.2	19.0	17.5	16.0	14.5							
		60	-	-	-	-	22.5	21.2	20.5	19.5	17.5	16.2	15.0								

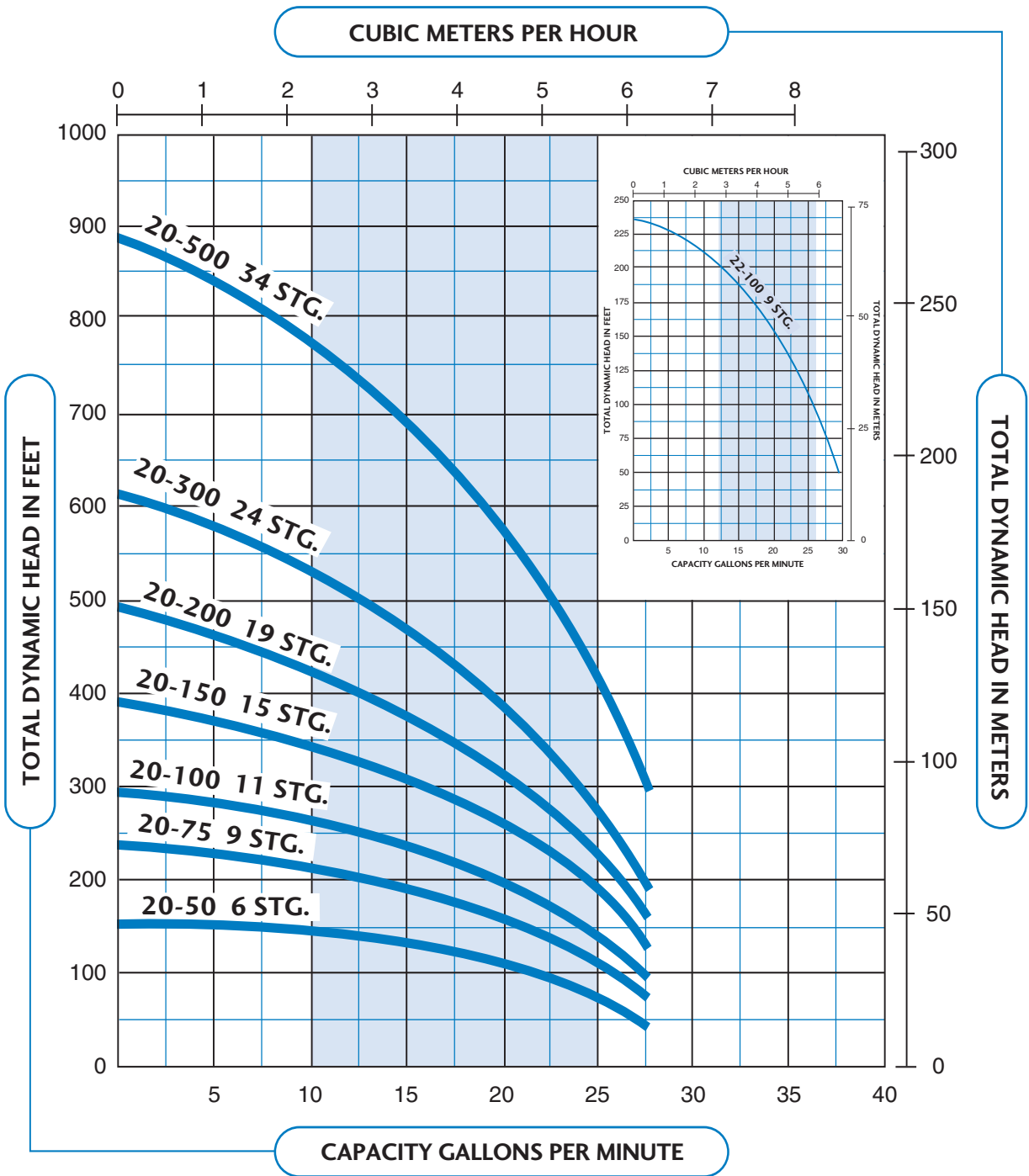
Model Number	HP	PSI	Depth to Water in Feet																	Shutoff Head		
			100	125	150	175	200	225	250	275	300	350	400	450	500	550	600	650	700	FEET	PSI	
16-300 (28-STG)	3	20	-	-	-	-	-	-	-	21.5	20.8	19.0	16.8	14.4						680	294	
		30	-	-	-	-	-	-	21.6	20.7	19.8	17.7	16.0	13.2								
		40	-	-	-	-	-	21.8	21.0	20.0	19.0	16.9	14.5									
		50	-	-	-	-	21.8	21.0	20.0	19.2	17.8	16.0	13.5									
		60	-	-	-	22.0	21.0	20.2	19.3	17.5	17.2	15.0	11.0									
16-500 (49-STG)	5	20	-	-	-	-	-	-	-	-	-	-	-	-	-	18.8	18.0	17.3		1174	508	
		30	-	-	-	-	-	-	-	-	-	-	-	-	-	19.5	18.5	17.8	16.8			
		40	-	-	-	-	-	-	-	-	-	-	-	-	-	20.0	18.8	18.0	17.4			16.5
		50	-	-	-	-	-	-	-	-	-	-	-	-	20.4	19.5	18.5	17.8	17.0			16.0
		60	-	-	-	-	-	-	-	-	-	-	-	20.8	20.0	19.2	18.2	17.4	16.5			15.5

4" submersible pumps

4" SUBMERSIBLE PUMPS – 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR®**

S series – stainless steel

20 and 22 GPM pump performance



SHADED AREAS INDICATE MOST ECONOMICAL RANGE

4" SUBMERSIBLE PUMPS – 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR®**

S series – stainless steel

20 and 22 GPM pump performance

Pumping capacities in gallons per minute at indicated discharge pressures in pounds per square inch.

1-1/4" NPT DISCHARGE

Model Number	HP	PSI	Depth to Water in Feet																	Shutoff Head						
			20	40	60	80	100	125	150	175	200	225	250	275	300	350	400	450	500	FEET	PSI					
20-50 (6-STG)	1/2	20	25.0	22.5	19.7	15.7															156	67				
		30	20.2	16.5	13.5	8.5																				
		40	18.8	13.2																						
		50	10.8																							
		60																								
20-75 (9-STG)	3/4	20	-	-	-	23.3	21.3	17.0	11.7													234	101			
		30	-	25.0	23.2	21.0	19.7	12.3																		
		40	24.8	22.8	20.3	17.3	12.7																			
		50	22.5	20.2	16.8	11.8																				
		60	19.7	16.2	11.3																					
20-100 (11-STG)	1	20	-	-	-	-	24.2	22.1	19.7	15.8	10.4											285	123			
		30	-	-	-	23.9	22.2	19.8	16.2	11.0																
		40	-	23.5	21.9	20.0	16.5	11.3																		
		50	21.5	20.5	19.5	17.0	15.2	11.0																		
		60	23.2	21.5	19.3	16.3	12.2																			
22-100 (9-STG)	1	20	-	-	-	25.8	24.1	22.8	18.8	14.2												231	101			
		30	-	25.7	23.7	21.5	19.5	14.7																		
		40	25.4	23.5	21.2	18.5	16.5																			
		50	23.3	21.0	18.0	14.3																				
		60	20.5	17.7	13.5																					
20-150 (15-STG)	1-1/2	20	-	-	-	-	-	-	24.1	22.5	20.8	18.5	15.7									386	167			
		30	-	-	-	-	-	24.3	22.7	20.9	18.7	16.0	12.3													
		40	-	-	-	-	24.3	22.3	21.0	18.8	16.2	12.5														
		50	-	-	-	24.2	22.8	21.2	19.0	16.3	12.8															
		60	-	-	24.0	22.7	21.3	19.2	16.7	13.2																
20-200 (19-STG)	2	20	-	-	-	-	-	-	24.8	23.5	22.0	20.5	18.9									483	209			
		30	-	-	-	-	-	-	24.9	23.6	22.2	20.7	19.0	17.2												
		40	-	-	-	-	25.0	23.7	22.3	20.8	19.1	17.3														
		50	-	-	-	-	25.0	23.8	22.3	20.9	19.2	17.5														
		60	-	-	-	25.0	23.8	22.5	21.2	19.4	17.7	15.7	13.0													

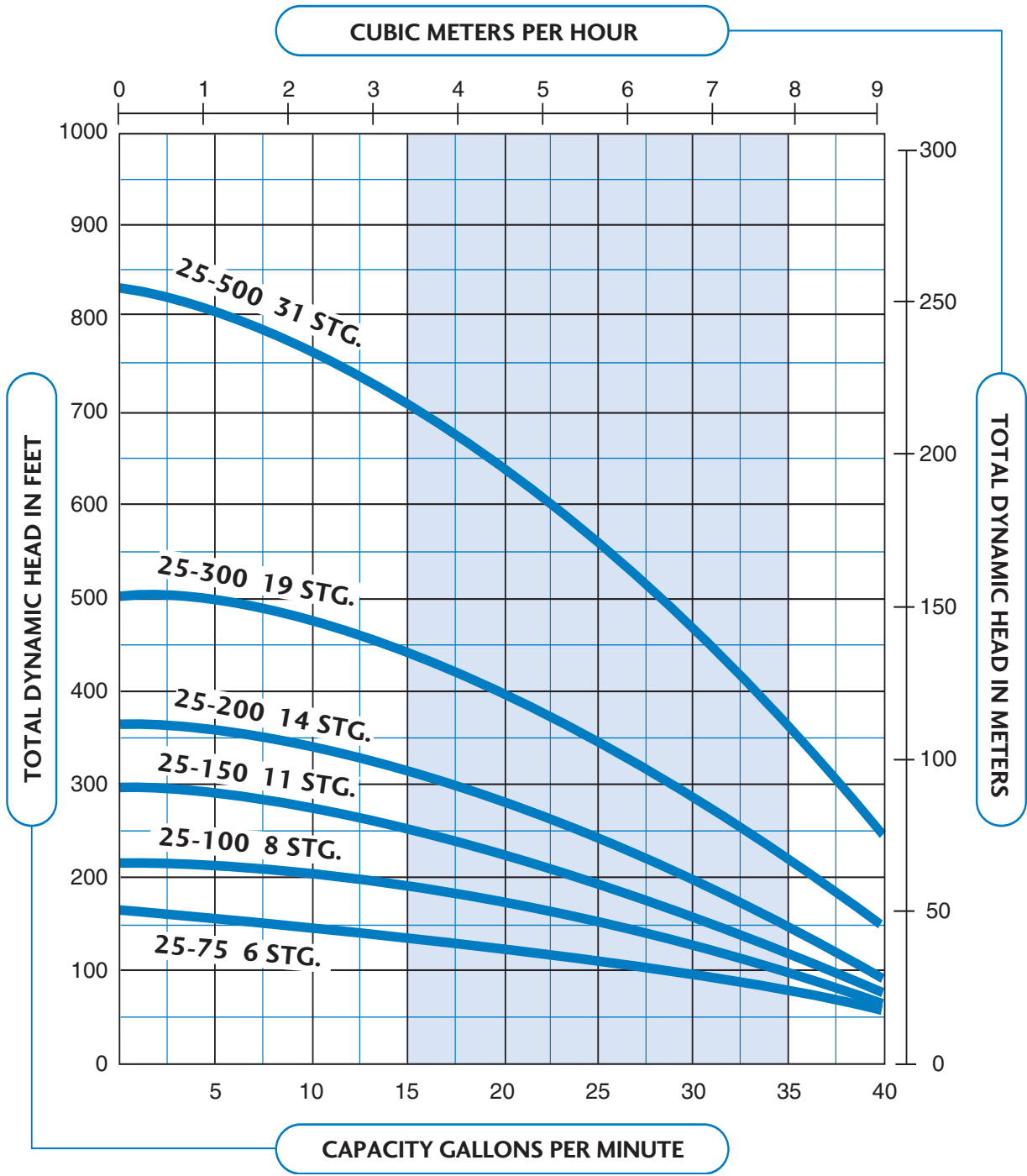
Model Number	HP	PSI	Depth to Water in Feet																	Shutoff Head						
			100	125	150	175	200	225	250	275	300	350	400	450	500	550	600	650	700	FEET	PSI					
20-300 (24-STG)	3	20	-	-	-	-	-	24.8	23.8	22.8	21.8	19.6	16.5	12.0								606	262			
		30	-	-	-	-	21.9	24.0	23.0	21.9	20.8	18.3	14.8													
		40	-	-	-	25.0	24.0	23.0	22.0	20.9	19.8	16.8	12.5													
		50	-	-	-	21.1	23.1	22.0	21.0	19.8	18.5	15.0	10.0													
		60	-	-	24.2	23.2	22.2	21.1	20.0	18.7	17.0	12.8														
20-500 (34-STG)	5	20	-	-	-	-	-	-	-	-	-	24.0	22.5	20.9	19.1	17.0	14.3	10.8				873	378			
		30	-	-	-	-	-	-	-	-	-	24.8	23.3	21.8	20.1	18.2	15.8	12.8								
		40	-	-	-	-	-	-	-	-	-	24.1	22.7	21.0	19.2	17.2	14.5	11.0								
		50	-	-	-	-	-	-	-	-	24.8	23.4	21.8	20.3	18.3	16.0	13.0									
		60	-	-	-	-	-	-	-	25.0	23.9	22.8	21.2	19.3	17.3	14.8	11.4									

4" submersible pumps

4" SUBMERSIBLE PUMPS – 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR**

S series – stainless steel

25 GPM pump performance



SHADED AREAS INDICATE MOST ECONOMICAL RANGE

4" SUBMERSIBLE PUMPS – 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR®**

S series – stainless steel

25 GPM pump performance

Pumping capacities in gallons per minute at indicated discharge pressures in pounds per square inch.

1-1/4" NPT DISCHARGE

Model Number	HP	PSI	Depth to Water in Feet																	Shutoff Head	
			20	40	60	80	100	125	150	175	200	225	250	275	300	350	400	450	500	FEET	PSI
25-75 (6-STG)	1/2	20	-	29.5	24.0	18.0														154	67
		30	28.8	22.5	16.0																
		40	21.5	14.5																	
		50	13.0																		
		60																			
25-100 (8-STG)	3/4	20	-	34.0	30.8	27.0	22.5													208	90
		30	33.8	30.0	26.5	21.5															
		40	29.5	25.3	20.5																
		50	24.5	20.0																	
		60	19.0																		
25-150 (11-STG)	1	20	-	-	-	33.5	31.0	27.3	23.5	19.0										284	123
		30	-	-	33.5	30.3	28.5	23.8	19.8												
		40	35.0	32.5	30.0	27.0	24.0	20.0													
		50	32.3	30.8	27.5	23.0	20.3														
		60	29.0	26.3	23.3	19.8															
25-200 (14-STG)	1	20	-	-	-	-	-	-	31.2	27.0	24.3	20.5	17.3							360	156
		30	-	-	-	-	-	30.0	27.5	24.5	21.0	17.5									
		40	-	-	-	-	30.3	27.8	24.8	21.3	17.3										
		50	-	-	-	29.8	27.9	24.9	21.5	17.5											
		60	-	-	29.5	27.3	25.0	21.8	18.3												

Model Number	HP	PSI	Depth to Water in Feet																	Shutoff Head	
			100	125	150	175	200	225	250	275	300	350	400	450	500	550	600	650	700	FEET	PSI
25-300 (19-STG)	3	20	-	-	-	-	-	-	29.5	25.4	23.0	17.3								490	212
		30	-	-	-	-	-	27.8	26.0	23.0	20.5										
		40	-	-	-	-	28.0	27.0	23.3	21.5	17.8										
		50	-	-	-	28.8	26.5	22.5	21.0	17.8											
		60	-	-	29.0	26.0	24.0	21.0	18.0												
25-500 (31-STG)	5	20	-	-	-	-	-	-	-	34.5	32.5	30.3	28.0	25.0	21.8	18.3	14.3			824	357
		30	-	-	-	-	-	-	-	34.5	31.5	31.3	29.3	26.8	23.5	20.0	16.3				
		40	-	-	-	-	-	-	-	33.8	32.5	29.8	28.0	25.0	21.2	18.5	14.5				
		50	-	-	-	-	-	34.8	33.9	32.8	31.5	29.3	26.8	23.8	20.5	16.8					
		60	-	-	-	-	34.9	33.9	32.9	31.7	30.5	28.3	25.3	22.3	18.5	14.8					

4" submersible pumps