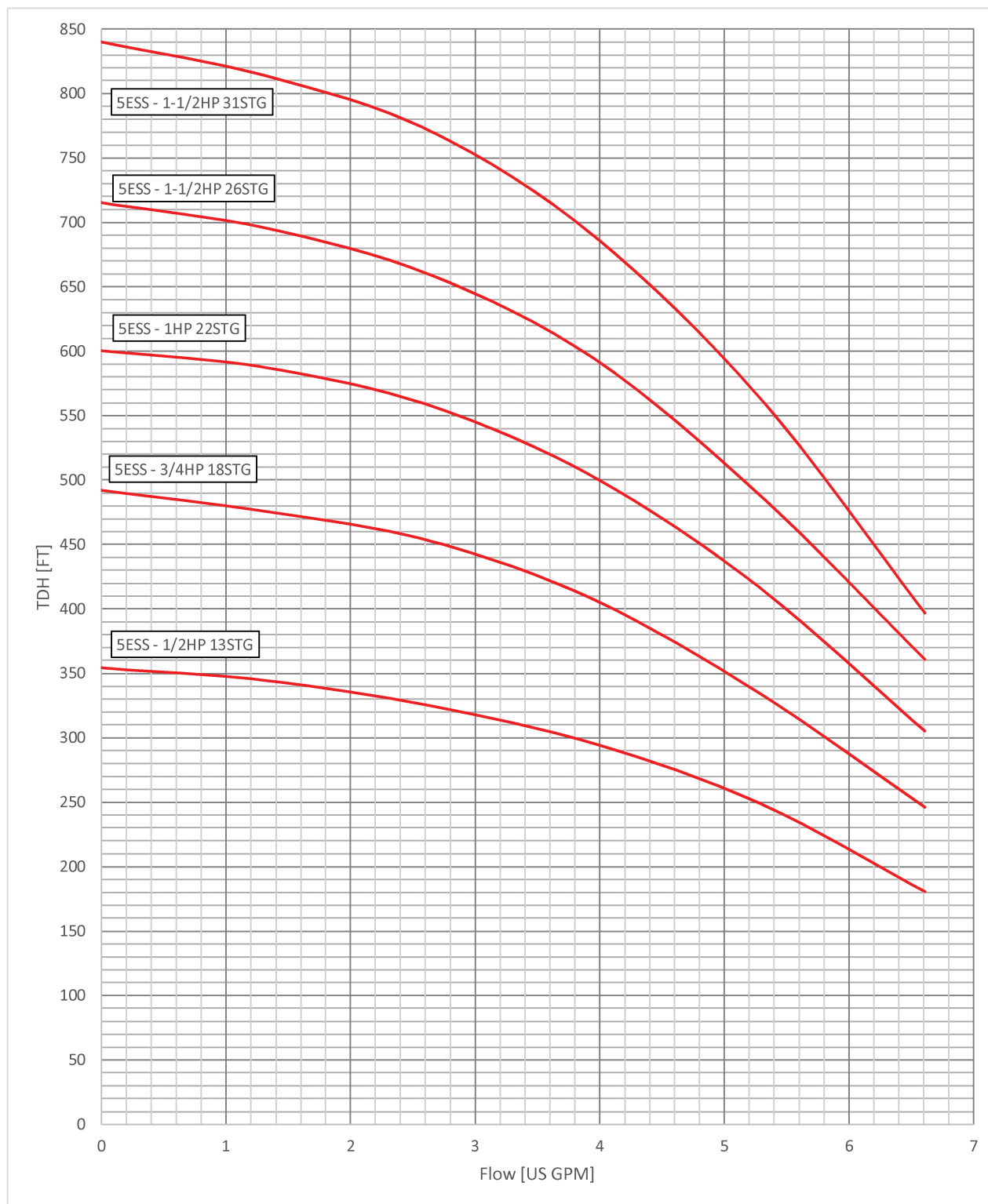


MODEL 5ESS

PERFORMANCE CURVES

SIMFLO®



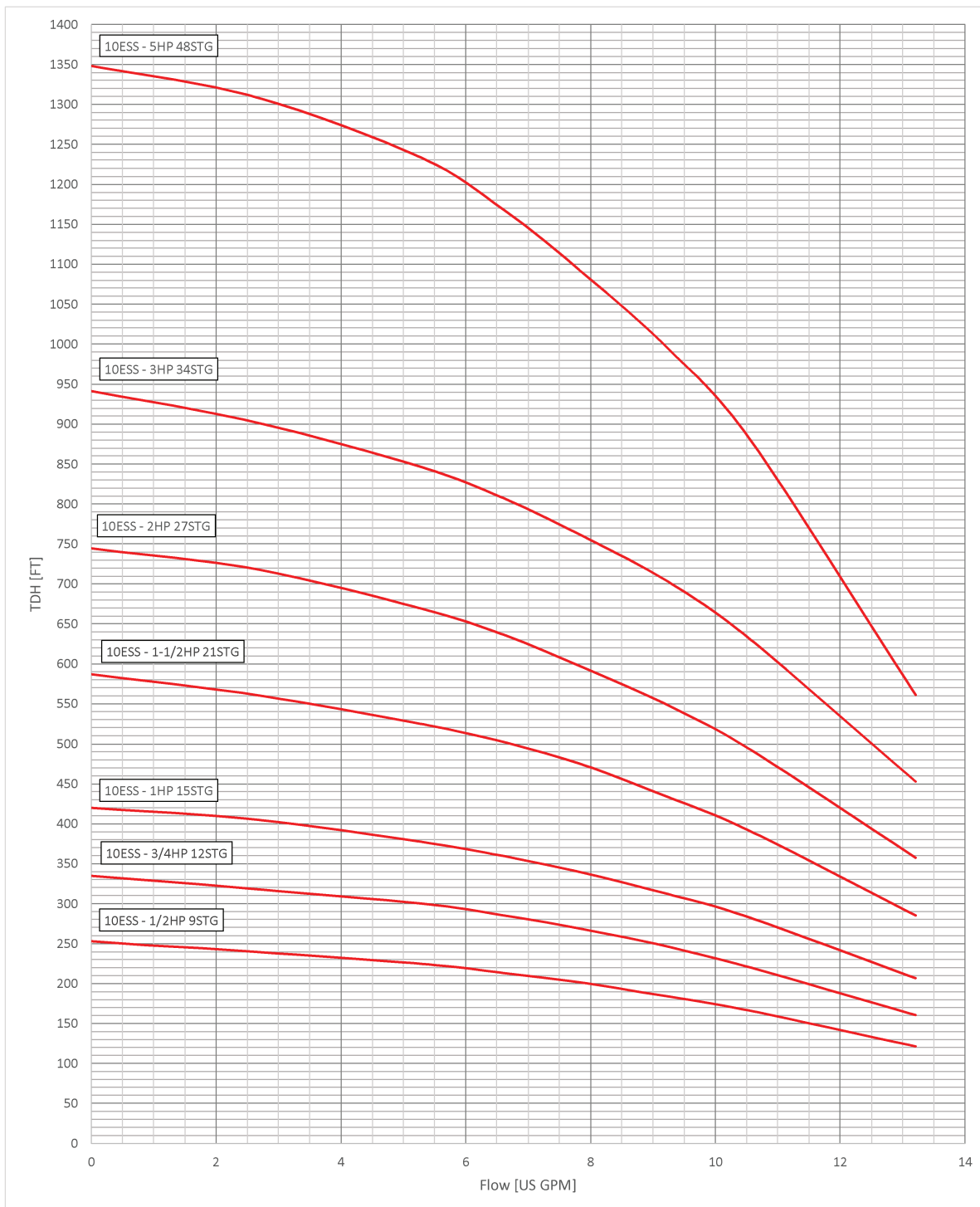
SECTIONAL CHART

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]														
			80	100	120	140	160	180	200	220	240	260	280	300	320		
5ESS - 13STG	1/2	0							6.2	5.9	5.5	4.8	4.4	3.8	2.9		
		20					6.1	5.8	5.3	4.6	4.3	3.5	2.5	1.2			
		30				6.1	5.7	5.3	4.6	4.3	3.6	2.4					
		40			6	5.6	5.1	4.5	3.9	3.2	2.1						
		50		6	5.6	5.1	4.5	3.9	3.1	2							
		60	6	5.5	5.1	4.5	3.8	3	1.9								
Shut-off PSI			119	110	101	93	84	75	67	58	49	41	32	24	15		
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]														
			140	160	180	200	220	240	260	280	300	320	340	360	380	420	460
5ESS - 18STG	3/4	0							6.4	6.1	5.8	5.5	5.2	4.9	4.5	3.6	2.3
		20					6.3	6.1	5.7	5.5	5.1	4.7	4.4	4	3.5	2.1	
		30				6.3	6.1	5.7	5.5	5.1	4.6	4.3	3.9	3.5	2.7		
		40			6.2	5.9	5.7	5.4	4.9	4.6	4.2	3.8	3.4	2.6			
		50		6.2	5.9	5.6	5.3	4.9	4.6	4.2	3.8	3.2	2.1				
		60	6.2	5.9	5.6	5.4	4.9	4.5	4.1	3.7	3.1	1.7					
Shut-off PSI			152	144	135	126	118	109	100	92	83	75	66	57	49	31	14
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]														
			200	240	280	320	360	400	420	440	460	480	500	520	540	560	580
5ESS - 22STG	1	0					6	5.5	5.2	4.9	4.6	4.3	4	3.6	3.1	2.6	1.6
		20			6.4	5.9	5.4	4.8	4.5	4.2	3.8	3.4	3	2.4	1.4		
		30			6.1	5.6	5.1	4.5	4.1	3.8	3.4	2.9	2.3	1.4			
		40		6.3	5.8	5.3	4.8	4.1	3.7	3.3	2.8	2.2					
		50		6.1	5.6	5	4.4	3.7	3.2	2.7	2.1						
		60	6.2	5.8	5.2	4.7	4	3.2	2.6	1.9							
Shut-off PSI			173	156	139	121	104	87	78	69	61	52	43	35	26	17	9
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]														
			260	300	340	380	420	460	500	540	560	580	600	620	640	660	680
5ESS - 26STG	1 1/2	0				6.4	6	5.6	5.2	4.7	4.4	4.1	3.8	3.4	3.1	2.6	2
		20			6.4	6	5.4	5.1	4.6	4	3.7	3.3	2.9	2.5	1.8		
		30		6.5	6.1	5.7	5.3	4.8	4.3	3.6	3.3	2.9	2.4	1.6			
		40		6.3	5.9	5.5	5	4.5	3.9	3.2	2.6	2.3	1.2				
		50	6.5	6.1	5.7	5.2	4.7	4.2	3.6	2.5	2.2	1.3					
		60	6.3	5.9	5.4	4.9	4.4	3.8	3.1	2.1	1.2						
Shut-off PSI			197	180	162	145	128	110	93	76	67	59	50	41	33	24	15
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]														
			300	340	380	420	460	500	540	560	580	620	660	700	740	780	820
5ESS - 31STG	1 1/2	0				6.5	6.1	5.8	5.5	5.3	5.1	4.7	4.3	3.8	3.2	2.5	1
		20			6.4	6.1	5.8	5.4	5	4.8	4.6	4.2	3.7	3.1	2.3		
		30		6.5	6.2	5.9	5.6	5.2	4.8	4.6	4.4	3.9	3.4	2.5	1.5		
		40		6.4	6.1	5.7	5.4	5	4.6	4.4	4.1	3.6	3	2			
		50	6.5	6.2	5.9	5.5	5.1	4.7	4.3	4.1	3.8	3.3	2.6	1.2			
		60	6.3	6	5.7	5.3	4.9	4.5	4	3.8	3.5	2.9	2				
Shut-off PSI			234	216	199	182	164	147	130	121	113	95	78	61	43	26	9

MODEL 10ESS

PERFORMANCE CURVES

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MODEL 10ESS

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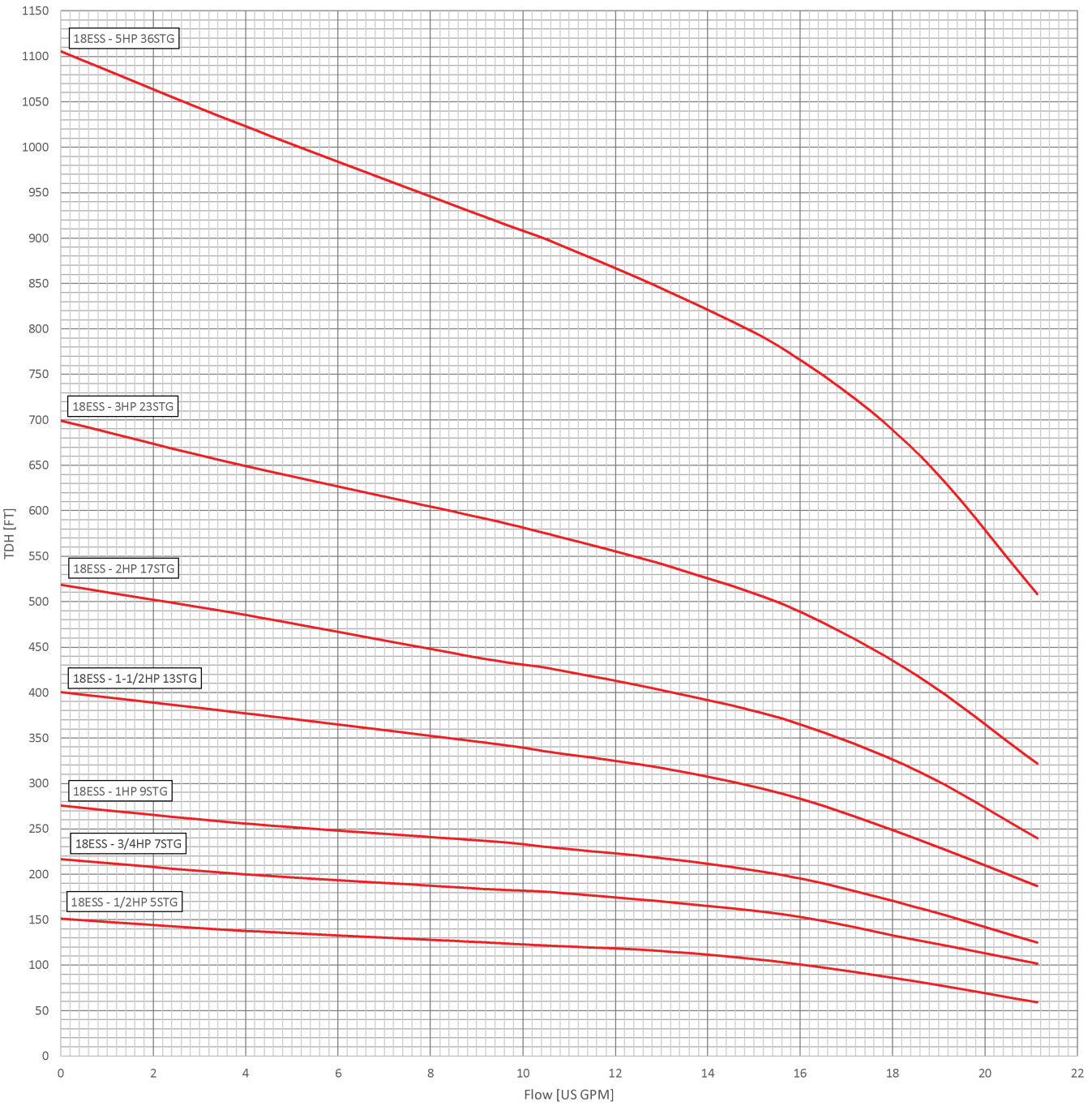
SECTIONAL CHART

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			0	20	40	60	80	100	110	120	130	140	150	170	200	240		
10ESS - 9STG	1/2	0									12.8	12.2	11.6	10.2	7.9	2.5		
		20						11.8	11.2	10	9.8	9	8.2	6.3	1.5			
		30				12.8	11.6	9.9	9.8	9	8.2	7.2	6.2	3.2				
		40			12.6	11.6	10	8.5	7.6	6.5	5.6	3.6	2					
		50		12.4	11.2	9.8	8.2	6.4	5.2	3.6								
		60	12.3	11	9.6	8.2	6.2	3.3										
Shut-off PSI			109	101	92	83	75	66	62	57	53	49	44	36	23	5		
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			40	60	80	100	120	140	160	180	200	220	240	260	280	320		
10ESS - 12STG	3/4	0									12.4	11.5	10.6	9.5	8.3	7	2.4	
		20							12.2	11.2	10.3	9.2	7.9	6.5	4.7			
		30					12	11.1	10.1	9	8	6.3	4.2					
		40			12.4	11.6	10.9	9.9	8.8	7.5	5.6	3.1						
		50		12.6	11.7	10.8	9.8	8.6	7.3	5.7	3							
		60	12.5	11.6	10.6	9.6	8.7	7.3	5.6	3.2								
Shut-off PSI			128	119	110	102	93	84	76	67	58	50	41	32	24	6		
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			100	120	140	160	180	200	220	240	260	280	300	340	360	400		
10ESS - 15STG	1	0									12.1	11.4	10.6	9.7	7.8	6.6	3.4	
		20					12.6	11.9	11.1	10.5	9.4	8.5	7.4	4.5	2.5			
		30				12.5	11.8	11	10.5	9.5	8.5	7.5	6	2.3				
		40			12.4	11.7	10.9	10.1	8.6	8.2	7.1	5.5	3.6					
		50		12.3	11.5	10.8	9.9	9	8.1	6.7	5.6	3.4						
		60	12.2	11.4	10.6	9.8	8.9	8	6.7	5.3	3.5							
Shut-off PSI			139	130	121	113	104	95	87	78	69	61	52	35	26	9		
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			180	200	220	240	260	280	300	320	380	420	460	500	540	560		
10ESS - 21STG	1 1/2	0								12.9	12.4	10.8	9.6	8.3	6.7	4.6	3.2	
		20					12.8	12.2	11.8	11.2	9.4	8.2	6.4	3.8				
		30				12.7	12.2	11.7	11.1	10.6	8.9	7.2	4.9	2				
		40			12.6	12.1	11.6	11	10.5	9.9	7.8	5.9	3.3					
		50		12.5	12	11.5	11	10.4	9.8	9.1	6.9	4.5						
		60	12.5	12	11.2	10.9	10.3	9.7	9	8.5	5.8	3.1						
Shut-off PSI			176	168	159	150	142	133	124	116	90	72	55	38	20	12		
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			260	280	300	320	360	400	440	480	520	560	600	640	680	720		
10ESS - 27STG	2	0							12.4	11.7	10.8	9.9	8.9	7.8	6.5	4.9	2.4	
		20					12.3	11.5	10.7	9.7	8.7	7.6	6.2	4.6	2.2			
		30				12.7	11.9	11	10.2	9.2	8.1	6.8	5.4	3.4				
		40			12.5	12.2	11.4	10.5	9.6	8.5	7.5	6	4.2	1.5				
		50		12.5	12.1	11.7	10.9	10	9	7.9	6.6	5.1	2.9					
		60	12.5	12.1	11.7	11.3	10.4	9.4	8.4	7.2	5.8	4						
Shut-off PSI			210	201	193	184	167	149	132	115	97	80	63	45	28	11		
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			380	420	460	500	540	580	620	660	700	740	780	820	860	900		
10ESS - 34STG	3	0				12.6	12	11.3	10.7	9.9	9.1	8.3	7.3	6.3	5	2.6		
		20			12.5	11.9	11.2	10.5	9.8	9	8.2	7.2	6.1	4.4	2.4			
		30			12.2	11.5	10.8	10.3	9.4	8.6	7.6	6.6	5.3	3.4				
		40		12.4	11.8	11.1	10.4	9.7	8.9	8	7	5.8	4	2				
		50	12.7	12.1	11.4	10.7	10	9.3	8.4	7.5	6.4	4.9	3					
		60	12.3	11.7	11	10.3	9.7	8.8	7.9	6.9	5.7	3.8						
Shut-off PSI			243	226	208	191	174	157	139	122	105	87	70	53	35	18		
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			520	580	640	700	760	820	880	940	1000	1060	1120	1180	1240	1300		
10ESS - 48STG	5	0			12.7	12.1	11.6	11	10.4	9.8	9.1	8.3	7.4	6.5	5	3		
		20			12.3	11.7	11.2	10.6	10.1	9.4	8.5	7.6	6.7	5.5	3.6			
		30		12.5	12.1	11.5	10.9	10.3	9.8	9.1	8.2	7.3	6.3	4.8	2.6			
		40		12.3	11.8	11.3	10.7	10.3	9.4	8.7	7.8	6.9	5.8	4				
		50	12.7	12.2	11.6	11.1	10.5	9.8	9.1	8.3	7.5	6.5	5.2	3.2				
		60	12.5	11.8	11.4	10.8	10.2	9.7	8.8	8	7.1	6.1	4.4	2				
Shut-off PSI			359	333	307	281	255	229	203	177	151	125	99	73	47	21		

MODEL 18ESS

PERFORMANCE CURVES

SIMFLO®



MODEL 18ESS

SIMFLO®

SECTIONAL CHART

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]									
			0	20	40	60	80	100	110	120	130	140
18ESS - 5STG	1/2	0					18.7	15.4	13.4	11.2	7	3.1
		20			17.9	15.2	8.7					
		30		17.5	14.6	7						
		40	17.1	13.7	5.9							
		50	13.2	4.8								
		60	4									
Shut-off PSI			65	57	48	39	31	22	18	13	9	5

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]									
			20	40	60	80	100	120	140	160	180	200
18ESS - 7STG	3/4	0						19.5	17	14.2	10.7	4
		20				18.7	16.7	13.8	8.3	2.2		
		30			18.3	16.5	13	7.4	1.5			
		40	20	18	16	12.2	6.2					
		50	17.6	15.6	11.6	5.4						
		60	14.4	11.2	4.7							
Shut-off PSI			85	76	68	59	50	42	33	24	16	7

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]									
			80	100	120	140	160	180	200	220	240	260
18ESS - 9STG	1	0					18.7	17.2	15.5	12.2	8.2	2.8
		20				16.8	14.8	11.2	6.7	1.8		
		30			16.5	14.4	10.9	6				
		40		16.3	13.7	9.8	4.5					
		50	16	13.4	9.4	4						
		60	13	9	3.6							
Shut-off PSI			85	76	67	59	50	41	33	24	15	7

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]									
			160	180	200	220	240	260	280	300	340	380
18ESS - 13STG	1 1/2	0					18.3	17.4	16.2	14.6	9.8	3.5
		20		19.2	18.1	17	15.7	13.9	11.7	8.9	2.8	
		30	19	18	16.2	15.7	13.5	11.5	8.4	5.2		
		40	17.8	16.6	15.2	13.3	10.7	7.9	4.7			
		50	16.4	15	13.1	10.4	7.5	4.3				
		60	14.9	13	10.2	7.2	3.8					
Shut-off PSI			104	95	87	78	69	61	52	43	26	9

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]										
			220	240	260	280	300	320	340	380	420	460	500
18ESS - 17STG	2	0					18.8	17.8	16.7	14.2	11.4	7.9	2.7
		20			18.8	17.9	17.2	15.9	14.5	10.6	5.8		
		30		18.6	17.8	16.8	15.7	14.6	12.2	7.9	3.4		
		40	18.2	17.6	16.6	15.4	13.83	11.8	9.6	5.4			
		50	17.6	16.6	15.3	13.7	11.8	9.4	7.2	2.7			
		60	16.6	15.3	13.6	11.5	9.2	6.8	5				
Shut-off PSI		129	121	112	103	95	86	77	60	43	25	8	

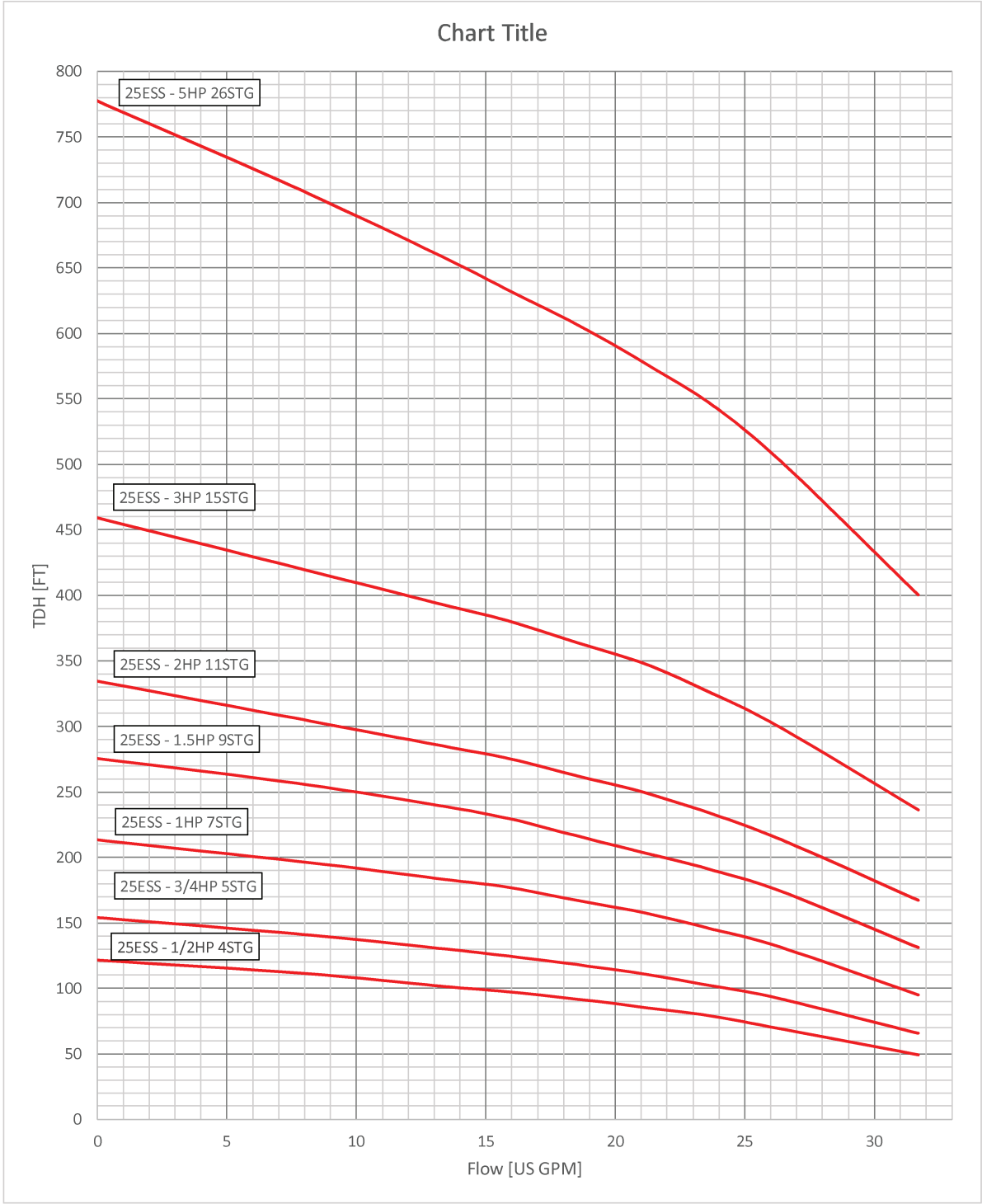
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]										
			300	320	340	380	420	460	500	540	580	620	660
18ESS - 23STG	3	0					18.5	17.2	15.5	13	10.5	6.8	3
		20				18.2	17.1	15.1	12.8	9.8	5.8	4.8	
		30			18.8	17.8	15.9	14	11.1	7.6	3.8		
		40	19.2	18.8	18	16.6	14.6	12.8	8.9	5.3			
		50	18.3	17.9	17.3	15.8	13.4	11.6	6.7	3.4			
		60	17.4	17.2	16.3	14.5	12.2	10.1	5.2				
Shut-off PSI			173	164	155	138	121	103	86	69	51	34	17

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]														
			480	520	560	600	640	680	720	760	800	840	880	920	960	1000	1040
18ESS - 36STG	5	0					19	18.2	17.2	15.8	14.8	13.2	11.5	9.4	7.2	5.2	3.2
		20					18.5	17.9	17	15.9	14.4	12.8	11.6	9.8	7.5	5	
		30			19.2	17.9	17.2	16.3	15.2	13.7	11.9	9.8	8.8	6.4	3.7		
		40			18.6	17.3	16.6	15.6	14.5	12.9	10.8	8.6	7.8	5.2			
		50		19.1	18.2	16.7	15.9	14.9	13.8	12.1	9.5	7.4	6.7	3.8			
		60	19.2	18.7	17.8	16	15.5	14.2	13	11.2	8.4	6.2	5.4				
Shut-off PSI			271	254	236	219	202	184	167	150	132	115	98	80	63	46	28

MODEL 25ESS

PERFORMANCE CURVES

SIMFLO®



MODEL 25ESS

SIMFLO®

SECTIONAL CHART

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]						
			20	40	60	80	100		
25ESS - 4STG	1/2	0			27.8	23.2	14.3		
		20	27	20.5	10.5				
		30	19.7	9.5					
		40	6.5						
Shut-off PSI			44	35	27	18	9		

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]					
			20	40	60	80	100	120
25ESS - 5STG	3/4	0				28.8	24.3	17.5
		20		27.5	22	14.3	5	
		30	27	21.8	14			
		40	20	12				
Shut-off PSI		50	11					
			58	49	41	32	23	15

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]									
			20	40	60	80	100	120	140	160	180	200
25ESS - 7STG	1	0						27	25	20.5	14.8	6.3
		20			30	26.3	23.5	18.7	12.5			
		30		29.8	27	23	17.8	11				
		40	29.2	26	22.5	17	9					
		50	25.5	21.5	16.5	8.5						
		60	21	16	7							
Shut-off PSI			84	75	66	58	49	40	32	23	14	6

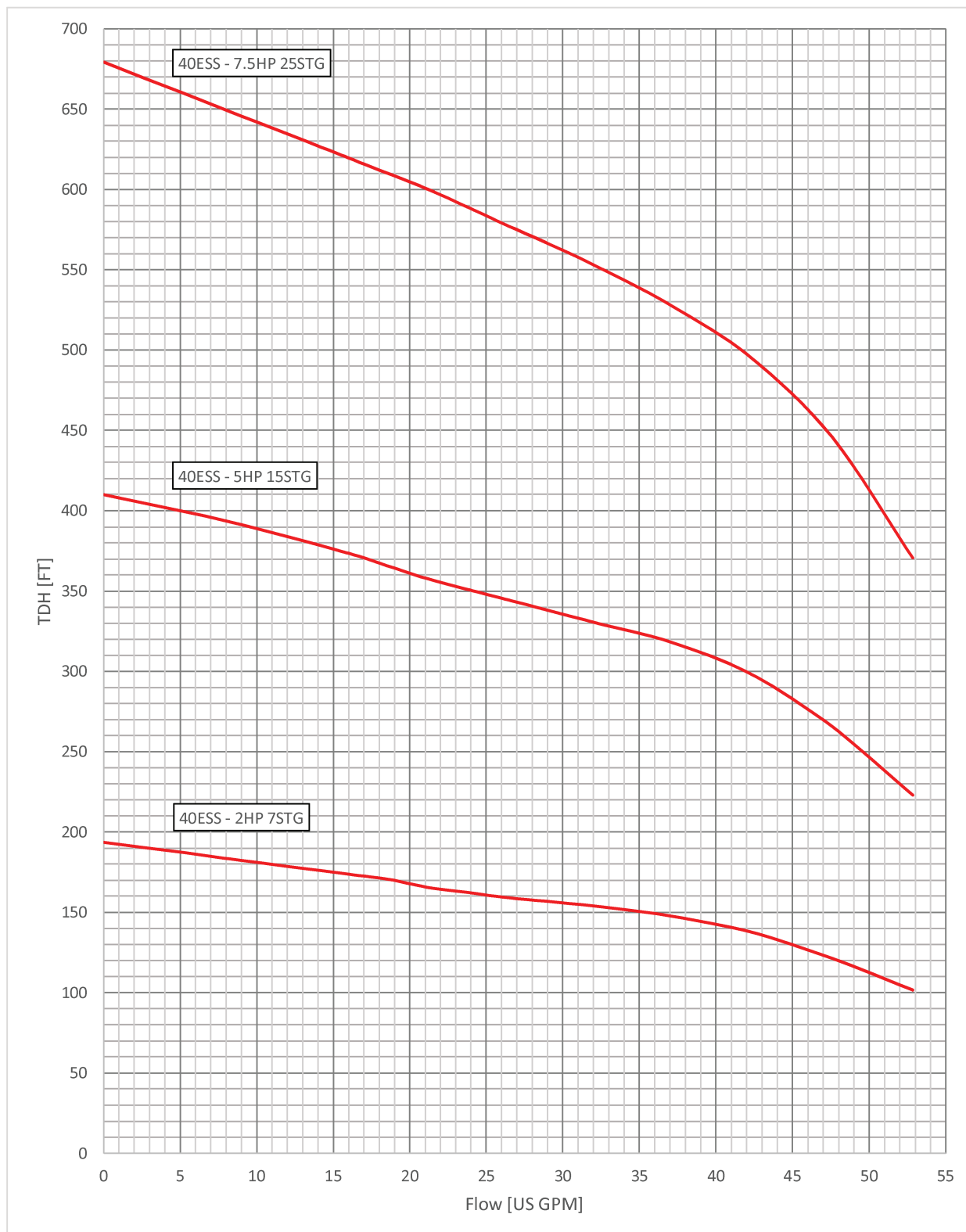
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]												
			20	40	60	80	100	120	140	160	180	200	220	240	260
25ESS - 9STG	1 1/2	0								27.1	25.5	22	17.7	13	6.5
		20						27.5	24.3	20.5	16.5	11			
		30				29.5	27.3	24.3	20.5	16.2	10.5				
		40			29	26.5	22.5	19	15	9					
		50		28.5	26.3	23	17.5	14.5							
		60	28.6	26	22.5	17.5	14	7.5							
Shut-off PSI			111	102	93	85	76	67	59	50	41	33	24	15	7

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]												
			80	100	120	140	160	180	200	220	240	260	280	300	320
25ESS - 11STG	2	0						30.2	28	26.5	22.7	19	14.5	9.3	4
		20				29.5	27.2	24.6	21.8	18	13	7.5			
		30			29.2	27.2	24.5	21.5	17.5	12.5	7				
		40		28.8	26.5	23.5	18.5	16.5	10.5	5.5					
		50	27.5	26	23.5	18	16	10.5	5						
		60	26	21.4	19.5	15.5	10	4.8							
Shut-off PSI			110	102	93	84	76	67	58	50	41	32	24	15	6

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]													
			120	140	160	180	200	220	240	260	280	300	320	340	380	420
25ESS - 15STG	3	0								29.6	28	26.2	24.3	22	16	8
		20						27.5	27.5	25.6	23.5	21.5	18	14.5	6.5	
		30					29	26.5	25.5	23.3	21	18	14.2	10.2		
		40				28.6	27	25	23	20.8	17	13.6	9.3	5.6		
		50		30	28.5	26.6	24.6	22.5	20	16.5	13	8.8	5			
		60	29.8	28.1	26.2	24.4	21	19.2	16.4	12.3	8.5	4.3				
Shut-off PSI			147	138	130	121	112	104	95	86	78	69	60	52	34	17

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			300	320	340	360	380	400	420	440	460	480	520	560	600	640	680	720
25ESS - 26STG	5	0								29.6	28.6	27.5	25.3	22.5	19.2	15	11	6.5
		20						29.3	28.4	27.5	26.3	25	22	18.5	14.5	10.5	5.8	
		30				30.5	29.4	28.3	27.3	26.1	25	23.5	20.2	16.3	12.3	8		
		40			30	29	28	26.7	25.8	24.6	23	21.6	17.8	14	9.8	5		
		50		29.6	28.6	27.6	26.5	26.5	24.5	23	21.3	19.5	15.5	11.5	7.4			
		60	29.8	28.8	27.6	26.6	25.4	23.5	22.8	21.3	19.2	17.5	22.7	9.2				
Shut-off PSI			207	198	189	181	172	163	155	146	137	129	111	94	77	60	42	25

PERFORMANCE CURVES



MODEL 40ESS

SIMFLO®

SECTIONAL CHART

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]								
			20	40	60	80	100	120	140	160	180
40ESS - 7STG	2	0						48	41.5	26	11
		20				46	38	21	5		
		30			45	36	19.5				
		40	50	43.5	33	16					
		50	43	31	15						
		60	27	13							
Shut-off PSI			75	66	58	49	41	32	23	15	6

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]													
			120	140	160	180	200	220	240	260	280	300	320	340	360	400
40ESS - 15STG	5	0							50.7	48.2	45.5	41.8	36.2	28	20	5
		20					50	48	44.2	40.5	34	25.3	15	11		
		30				50	47.2	42	40	33	25	18	10.2			
		40			49	47	43.5	39	31	41.5	16	8				
		50		49	46	43	38	30	22	15	7.5					
		60	48.5	46	43	37	29.5	21	14.5	6						
Shut-off PSI			126	117	108	100	91	82	74	65	56	48	39	30	22	4

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]													
			280	300	320	340	360	380	400	420	460	500	540	580	620	660
40ESS - 25STG	7 1/2	0								49.5	46.2	41.5	34.6	25.8	15.8	5
		20						49	47.5	45.5	40.5	33.5	24.3	14		
		30					49	48	45.6	43.5	37	28.5	19	8.2		
		40			50	49	46	45	42.7	39.5	32	21.8	12.5			
		50		49.5	49	47	44.5	43	39.1	35.5	26.6	17	6.5			
		60	49.6	48.2	46	45	42	39	35	28.5	21.8	11.4				
Shut-off PSI			173	164	155	147	138	129	121	112	95	78	60	43	26	8