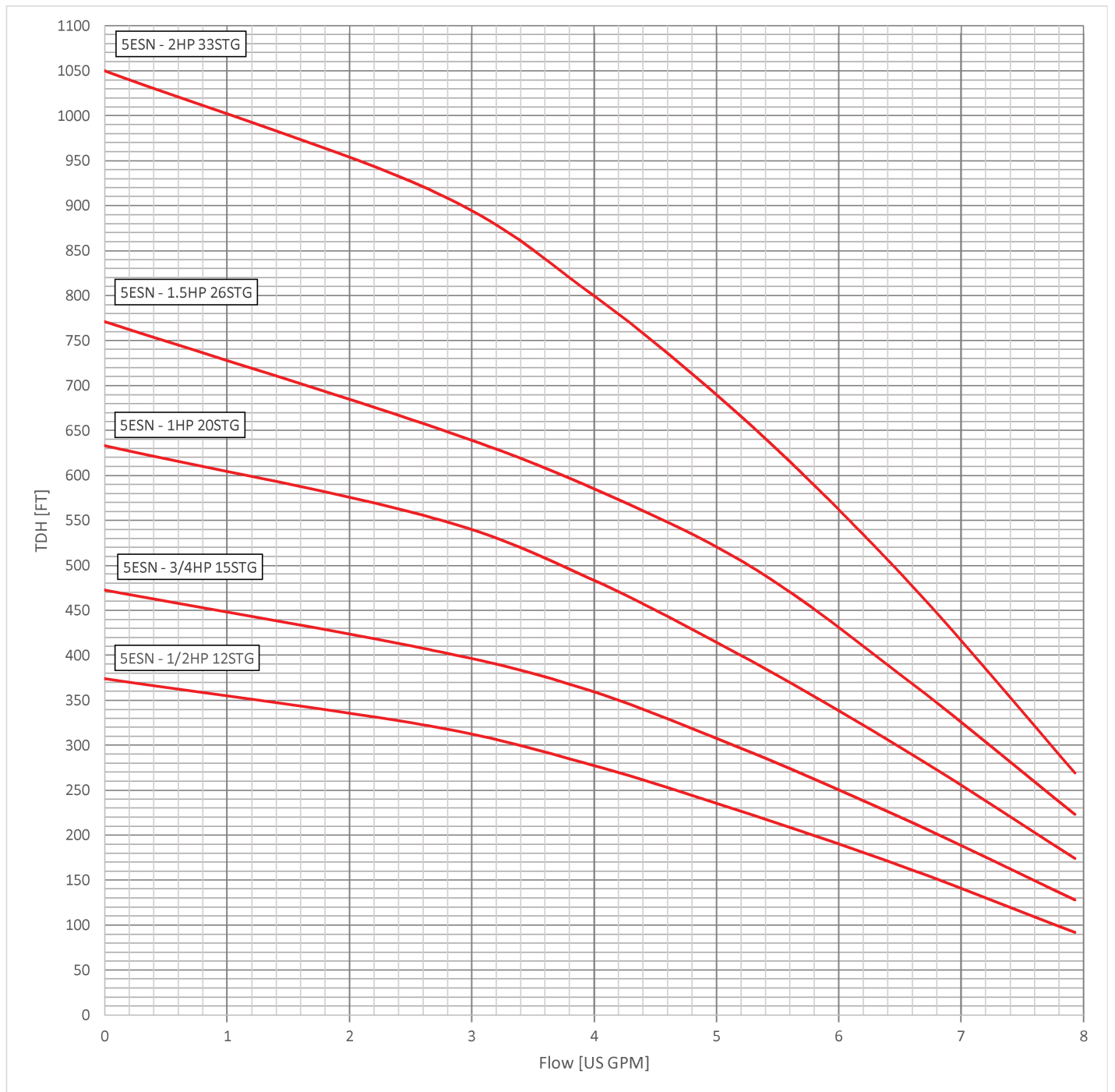


MODEL 5ESN

PERFORMANCE CURVES

SIMFLO®



MODEL 5ESN

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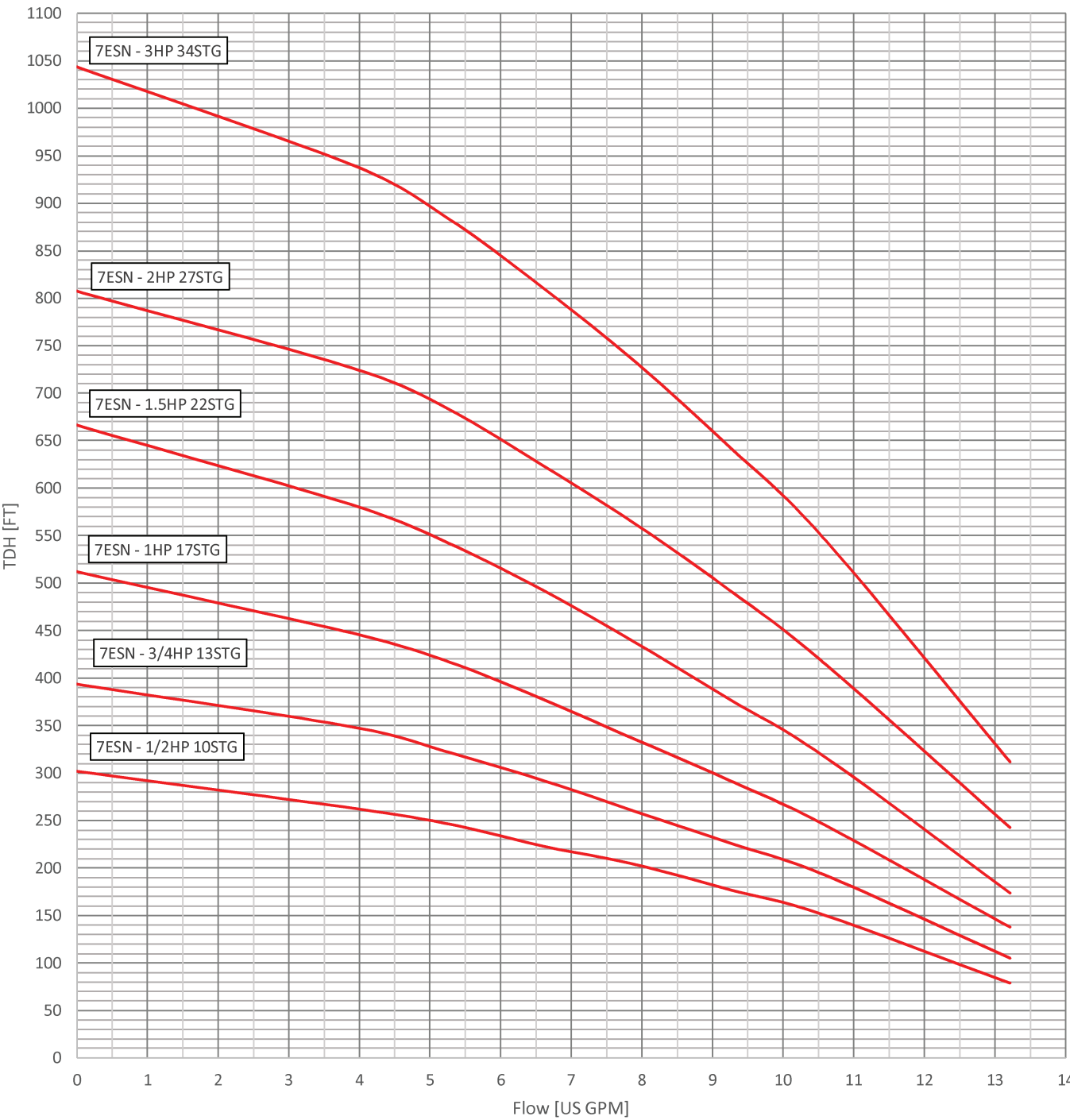
SECTIONAL CHART

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			0	20	40	60	80	100	120	140	160	180	200	220	240	260	300	340
5ESN -12STG	1/2	0								7	6.7	6.3	5.8	5.4	4.9	4.4	3.3	1.9
		20						6.9	6.5	6.1	5.7	5.3	4.8	4.3	3.7	3.1	1.6	
		30				7.2	6.9	6.5	6.1	5.6	5.2	4.7	4.2	3.6	3	2.3		
		40			7.2	6.8	6.4	6	5.6	5.1	4.6	4.1	3.5	2.9	2.2			
		50		7.1	6.7	6.4	5.9	5.5	5	4.5	4	3.4	2.8	2.1				
		60	7.1	6.7	6.3	5.9	5.4	5	4.5	3.9	3.3	2.7	1.9					
Shut-off PSI			162	153	145	136	127	119	110	101	93	84	75	67	58	49	32	15
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			20	40	60	80	100	120	140	160	180	200	220	240	280	320	380	420
5ESN - 15STG	3/4	0								7.2	6.9	6.5	6.2	5.9	5.2	4.3	3.4	2.3
		20						7.1	6.8	6.4	6.1	5.8	5.4	5	4.2	3.2	2.1	
		30					7	6.7	6.4	6.1	5.7	5.4	5	4.6	3.7	2.6		
		40				7	6.7	6.3	6	5.7	5.3	4.9	4.5	4.1	3.1	1.9		
		50			6.9	6.6	6.3	6	5.6	5.2	4.8	4.4	4	3.5	2.4			
		60	7.2	6.9	6.6	6.2	5.9	5.5	5.2	4.8	4.4	3.9	3.4	2.9	1.6			
Shut-off PSI			196	187	179	170	161	153	144	135	127	118	109	101	83	66	40	23
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			100	120	140	160	180	200	220	260	300	340	380	420	460	500	540	580
5ESN - 20STG	1	0								7	6.5	6	5.5	5	4.3	3.7	2.9	2
		20						7.1	6.9	6.4	6	5.4	4.9	4.2	3.6	2.8	1.6	
		30					7.1	6.9	6.6	6.2	5.7	5.1	4.5	3.9	3.1	2.2		
		40				7.1	6.8	6.6	6.4	5.9	5.3	4.8	4.1	3.4	2.6	1.6		
		50			7	6.8	6.6	6.3	6.1	5.6	5	4.4	3.7	3	2.1			
		60	7.2	7	6.8	6.5	6.3	6.1	5.8	5.3	4.7	4	3.3	2.5				
Shut-off PSI			231	222	214	205	196	188	179	162	144	127	110	92	75	58	40	23
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			180	200	220	240	260	280	320	360	400	440	480	520	560	600	640	680
5ESN - 26STG	1 1/2	0							7.1	6.7	6.3	5.8	5.4	4.9	4.4	3.8	3	2.1
		20						7	6.6	6.2	5.8	5.3	4.8	4.3	3.7	2.9	1.9	
		30					7	6.8	6.4	6	5.5	5	4.5	3.9	3.2	2.3		
		40				7	6.8	6.6	6.1	5.7	5.2	4.7	4.2	3.6	2.7	1.8		
		50		7.1	6.9	6.7	6.5	6.3	5.9	5.4	4.9	4.4	3.8	3	2.2			
		60	7.1	6.9	6.7	6.5	6.3	6.1	5.6	5.1	4.6	4.1	3.5	2.4				
Shut-off PSI			256	247	239	230	221	213	195	178	161	143	126	109	91	74	57	39
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			280	320	360	400	440	480	520	560	600	640	680	720	780	840	900	960
5ESN - 33STG	2	0				7.1	6.9	6.6	6.3	6	5.7	5.4	5.1	4.7	4.2	3.6	2.9	1.8
		20			7.1	6.8	6.6	6.3	6	5.7	5.4	5	4.7	4.3	3.7	3	2.1	
		30		7.2	6.9	6.7	6.4	6.1	5.8	5.5	5.2	4.8	4.5	4.1	3.5	2.7	1.7	
		40		7	6.8	6.5	6.2	5.9	5.6	5.3	5	4.6	4.3	3.9	3.2	2.4	1.1	
		50	7.2	6.9	6.6	6.3	6.1	5.8	5.5	5.1	4.8	4.4	4	3.6	2.9	1.9		
		60	7	6.7	6.5	6.2	5.9	5.6	5.3	4.9	4.6	4.2	3.8	3.4	2.6	1.4		
Shut-off PSI			333	316	299	281	264	247	229	212	195	177	160	143	117	91	65	39

MODEL 7ESN

PERFORMANCE CURVES

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MODEL 7ESN

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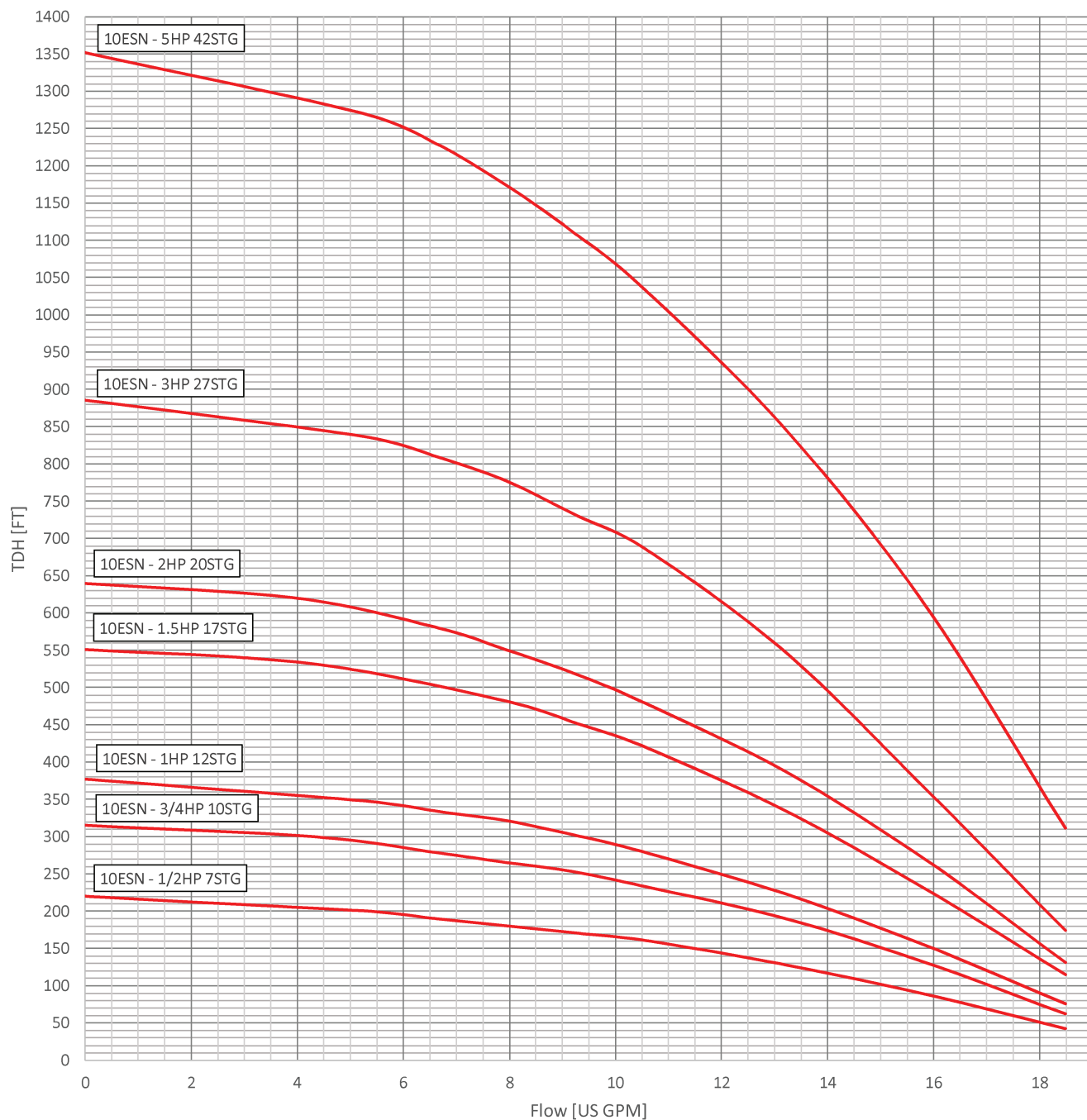
SECTIONAL CHART

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			0	20	40	60	80	100	120	140	160	180	200	220	240	260	270	280
7ESN - 10STG	1/2	0							11.7	10.9	10	9.1	8.1	6.9	5.7	4.3	3.5	2.6
		20					11.5	10.6	9.7	8.8	7.7	6.6	5.3	3.8	1.9			
		30				11.3	10.5	9.6	8.6	7.6	6.4	5.1	3.5					
		40			11.2	10.3	9.4	8.4	7.4	6.2	4.9	3.3						
		50		11.1	10.2	9.3	8.3	7.2	6	4.6	3							
		60	10.9	10.1	9.1	8.1	7	5.8	4.4	2.7								
Shut-off PSI			131	122	113	105	96	87	79	70	61	53	44	35	27	18	14	9
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	300	320	360
7ESN - 13STG	3/4	0								10.9	10.3	9.5	8.8	8	7.2	6.3	5.3	3
		20						10.7	10	9.3	8.6	7.8	6.9	6	5	3.8	2.5	
		30				11.3	10.6	9.9	9.2	8.5	7.6	6.8	5.8	4.8	3.7	2.3		
		40			11.2	10.5	9.8	9.1	8.3	7.5	6.6	5.7	4.6	3.5	2.1			
		50		11.1	10.4	9.7	9	8.2	7.4	6.5	5.5	4.5	3.3	1.8				
		60	11	10.3	9.6	8.9	8.1	7.3	6.4	5.4	4.3	3.1						
Shut-off PSI			153	144	136	127	118	110	101	93	84	75	67	58	49	41	32	15
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460
7ESN - 17STG	1	0								11.2	10.7	10.2	9.6	9.1	7.9	6.5	5	3.2
		20						11.1	10.6	10	9.5	8.9	8.3	7.7	6.3	4.8	2.9	
		30					11	10.5	9.9	9.4	8.8	8.2	7.6	6.9	5.4	3.7		
		40				10.9	10.4	9.9	9.3	8.7	8.1	7.5	6.8	6.1	4.5	2.4		
		50			10.8	10.3	9.8	9.2	8.6	8	7.4	6.7	6	5.2	3.5			
		60	11.3	10.8	10.2	9.7	9.1	8.5	7.9	7.3	6.6	5.8	5.1	4.2	2.6			
Shut-off PSI			187	178	170	161	152	144	135	126	118	109	100	92	74	57	40	22
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			140	160	180	200	220	240	260	280	320	360	400	440	480	520	560	600
7ESN - 22STG	1 1/2	0								11.3	10.5	9.7	8.8	7.9	6.9	5.8	4.6	3.2
		20						11.2	10.8	10.4	9.6	8.7	7.8	6.7	5.6	4.4	3	
		30					11.1	10.7	10.3	9.9	9.1	8.2	7.2	6.1	4.9	3.6		
		40				11.1	10.7	10.3	9.9	9.4	8.6	7.6	6.6	5.5	4.2	2.5		
		50			11	10.6	10.2	9.8	9.4	8.9	8	7	5.9	4.7	3.4			
		60	11.3	10.9	10.5	10.1	9.7	9.3	8.9	8.4	7.5	6.4	5.3	4	2.2			
Shut-off PSI			228	219	210	202	193	184	176	167	150	132	115	98	81	63	46	29
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			240	260	280	300	320	360	400	440	480	520	560	600	640	680	720	760
7ESN - 2HP	2	0						11.5	10.9	10.2	9.5	8.8	8	7.2	6.2	5.2	4	2.2
		20					11.4	10.8	10.1	9.4	8.7	7.9	7	6.1	5	3.8	2	
		30				11.3	11	10.4	9.7	9	8.2	7.4	6.5	5.5	4.4	3		
		40			11.3	11	10.7	10	9.3	8.5	7.7	6.9	5.9	4.9	3.6	1.6		
		50		11.2	10.9	10.6	10.3	9.6	8.9	8.1	7.3	6.3	5.3	4.2	2.4			
		60	11.2	10.9	10.6	10.2	9.9	9.2	8.4	7.6	6.7	5.8	4.7	3.4				
Shut-off PSI			245	237	228	220	211	194	176	159	142	124	107	90	72	55	38	20
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			360	400	440	480	520	560	600	640	680	720	760	800	840	880	920	980
7ESN - 34 STG	3	0				11.4	10.9	10.4	9.9	9.3	8.7	8.1	7.5	6.8	6.1	5.3	4.4	2.4
		20			11.3	10.8	10.3	9.8	9.2	8.7	8	7.4	6.7	6	5.2	4.2	2.8	
		30		11.5	11	10.5	10	9.5	8.9	8.3	7.7	7	6.3	5.5	4.6	3.6	2	
		40		11.2	10.7	10.2	9.7	9.1	8.6	7.9	7.3	6.6	5.9	5	4.1	2.6		
		50	11.4	10.9	10.4	9.9	9.4	8.8	8.2	7.6	6.9	6.2	5.4	4.5	3.2	1.8		
		60	11.1	10.6	10.1	9.6	9.1	8.5	7.9	7.2	6.5	5.7	4.9	3.9	2.4			
Shut-off PSI			296	278	261	244	227	209	192	175	157	140	123	105	88	71	53	27

MODEL 10ESN

SIMFLO®

PERFORMANCE CURVES



MODEL 10ESN

SIMFLO®

SECTIONAL CHART

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]														
			0	10	20	30	40	50	60	70	80	90	100	120	140	160	200
10ESN -7STG	1/2	0								17	16.4	15.7	15.1	13.7	12.1	10.3	5.3
		20				16.6	16	15.3	14.7	13.9	13.2	12.4	11.6	9.7	7.4	4.2	
		30		16.4	15.8	15.1	14.4	13.7	12.9	12.1	11.3	10.4	9.4	7	3.4		
		40	15.6	14.9	14.2	13.5	12.7	11.9	11	10.1	9	7.9	6.5	2.6			
		50	14	13.2	12.5	11.6	10.7	9.7	8.7	7.5	6.1	4.3					
		60	12.2	11.3	10.4	9.4	8.3	7.1	5.6	3.6							
Shut-off PSI			95	91	86	82	78	74	69	65	61	56	52	43	35	26	9

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	280	300	
10ESN - 10STG	3/4	0						16.3	15.4	14.5	13.5	12.5	11.3	10.1	8.6	6.8	4.3	
		20				16	15.1	14.4	13.4	12.4	11	9.8	7.8	5.9				
		30			15.9	15.2	14.3	13.3	12.1	10.8	9.7	7.7	4.6					
		40		15.7	14.9	14	12.8	11.9	10.5	9.3	7.1	4.8						
		50	15.6	14.8	14	13	11.6	10.4	9	6.5	4.6							
		60	14.5	13.6	12.7	11.3	10	8.7	6.4	4.2								
Shut-off PSI			128	119	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]														
			20	40	60	80	100	120	140	160	180	200	220	240	260	300	340
10ESN - 12STG	1	0								15.6	14.8	14	13.4	12.4	11.6	9.4	6
		20						15.6	14.7	13.9	13	12.1	11.2	10.2	9	5.5	
		30				16	15.2	14.5	13.8	13	12	11	10	8.8	7		
		40			15.9	15.2	14.4	13.6	12.7	11.8	11	9.6	8.4	6.6	4		
		50		15.8	15	14.3	13.5	12.6	11.6	10.7	9.6	8.3	7.4	3.8			
		60	15.7	15	14.2	13.4	12.5	11.6	10.6	9.4	8.2	6.2	2.9				
Shut-off PSI			155	146	137	129	120	111	103	94	85	77	68	59	51	33	16

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			140	160	180	200	220	240	260	280	280	300	340	380	420	460	540	
10ESN - 17STG	1 1/2	0								14.7	14.7	14.2	13.1	11.9	10.5	8.9	3.6	
		20						14.6	14	13.5	13.5	12.9	11.7	10.3	8.6	6.5		
		30				15	14.5	13.9	13.4	12.8	12.8	12.2	10.9	9.3	7.4	4.7		
		40			14.9	14.4	13.9	13.3	12.7	12.1	12.1	11.5	10	8.3	6.1	2.1		
		50		14.8	14.3	13.8	13.2	12.6	12	11.3	11.3	10.6	9.1	7.1	4.1			
		60	14.8	14.2	13.7	13.1	12.5	11.9	11.2	10.5	10.5	9.8	8	5.6				
Shut-off PSI			178	169	161	152	143	135	126	117	117	109	91	74	57	39	5	

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			140	160	180	200	220	240	260	280	300	320	340	400	460	500	560	620
10ESN - 20STG	2	0							16	15.6	15.2	14.8	14.3	12.8	11.2	9.9	7.6	4
		20					15.9	15.5	15.1	14.6	14.2	13.7	13.2	11.6	9.7	8.2	5.1	
		30				15.9	15.4	15	14.5	14.1	13.6	13.1	12.6	10.9	8.9	7.2	3	
		40			15.8	15.4	14.9	14.5	14	13.5	13	12.5	12	10.2	7.9	6		
		50	16.1	15.7	15.3	14.9	14.4	13.9	13.5	13	12.4	11.9	11.3	9.4	6.9	4.4		
		60	15.7	15.2	14.8	14.3	13.9	13.4	12.9	12.3	11.8	11.2	10.6	8.5	5.6			
Shut-off PSI			216	208	199	190	182	173	164	156	147	138	130	104	78	61	35	9

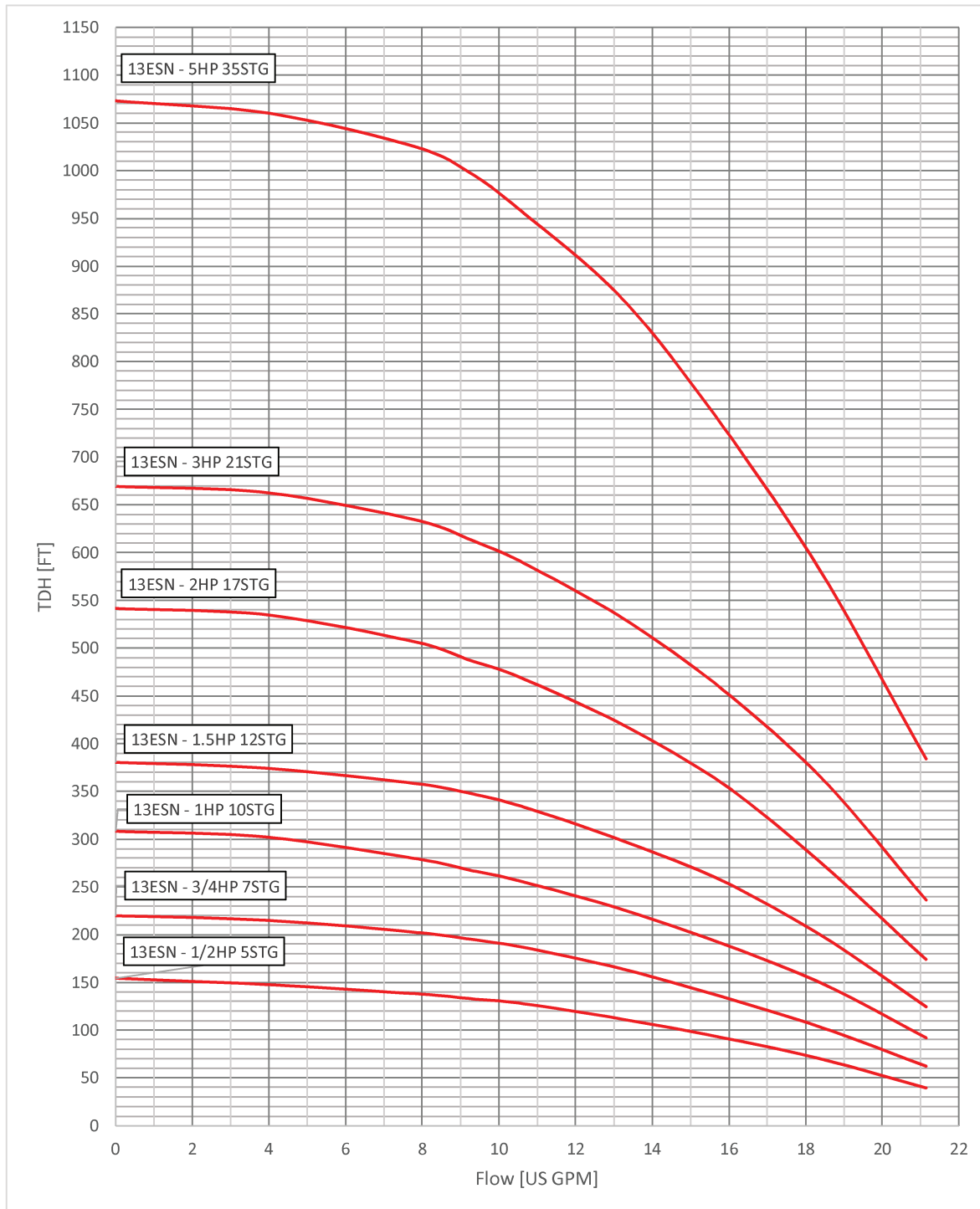
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]																			
			220	260	300	340	380	420	460	500	540	560	580	600	620	660	700	720	760	800	840	860
10ESN - 27STG	3	0					15.8	15.2	14.6	13.9	13.2	12.9	12.5	12.1	11.7	10.9	10	9.5	8.4	7	4.8	3
		20				15.7	15.1	14.5	13.8	13.1	12.4	12	11.6	11.2	10.8	9.9	8.8	8.3	6.8	4.2		
		30			15.9	15.3	14.7	14.1	13.4	12.7	12	11.6	11.1	10.7	10.3	9.3	8.2	7.5	5.6			
		40		16.1	15.6	15	14.4	13.7	13	12.3	11.5	11.1	10.6	10.2	9.7	8.7	7.4	6.7	3.4			
		50		15.8	15.2	14.6	14	13.3	12.6	11.8	11	10.6	10.1	9.6	9.1	8	6.3	5.1				
		60	16.1	15.5	14.9	14.3	13.6	12.9	12.2	11.4	10.5	10	9.6	9	8.5	7	5.2					
Shut-off PSI			288	271	254	236	219	202	184	167	150	141	132	124	115	98	80	72	54	37	20	11

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]																					
			460	500	540	580	620	660	700	740	780	820	860	900	940	980	1020	1060	1100	1140	1180	1220	1260	40
10ESN - 42STG	5	0					15.7	15.2	14.8	14.4	13.9	13.4	12.9	12.4	11.9	11.3	10.7	10.1	9.4	8.7	7.9	6.9	5.9	3.4
		20				15.6	15.2	14.8	14.3	13.8	13.4	12.9	12.3	11.8	11.2	10.6	10	9.3	8.6	7.7	6.8	5.4	3	
		30			15.8	15.4	14.9	14.5	14	13.6	13.1	12.6	12	11.5	10.9	10.3	9.6	8.9	8.1	7.2	6.2	3.8		
		40			15.5	15.1	14.7	14.2	13.8	13.3	12.8	12.3	11.7	11.1	10.5	9.9	9.2	8.4	7.6	6.6	5			
		50		15.7	15.3	14.9	14.4	14	13.5	13	12.5	12	11.4	10.8	10.2	9.5	8.8	8	7.1	5.8	3.6			
		60	15.9	15.5	15.1	14.6	14.2	13.7	13.2	12.7	12.2	11.6	11.1	10.4	9.8	9.1	8.3	7.5	6.3	4.6				
Shut-off PSI			386	369	351	334	317	299	282	265	247	230	213	196	178	161	144	126	109	92	74	57	40	568

MODEL 13ESN

PERFORMANCE CURVES

SIMFLO®



MODEL 13ESN

SIMFLO®

SECTIONAL CHART

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]						
			20	40	60	80	100	120	140
13ESN - 5STG	1/2	0			19	17	14.6	11.8	6.4
		20	18.8	16.4	13.8	10.8	4.6		
		30	16	13.2	10	2			
		40	13	9.4	1.5				
		50	8.6						
		60	4						
Shut-off PSI			58	49	41	32	23	15	6

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]									
			0	20	40	60	80	110	130	150	170	210
13ESN - 7STG	3/4	0					20	17.9	16.3	14.5	12.4	6.1
		20		20.9	19.6	18.2	16.6	13.9	11.7	8.9	4	
		30		19.4	17.9	16.3	14.6	11.3	8.4	2.4	8.5	
		40	19.2	17.7	16.1	14.3	12.2	7.8				
		50	17.5	15.8	14	11.8	9					
		60	15.6	13.7	11.4	8.5						
Shut-off PSI			95	86	78	69	61	48	39	30	22	4

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	280	300	
13ESN - 10STG	1	0							18.8	17.6	16.4	15.1	13.7	12.1	10.2	7.9	4.4	
		20					18.4	17.3	16	14.7	13.2	11.5	9.5	7				
		30				18.3	17.1	15.8	14.5	13	11.2	9.2	6.5					
		40			18.1	16.9	15.6	14.2	12.7	10.9	8.8	6						
		50		17.9	16.7	15.4	14	12.5	10.6	8.5	5.4							
		60	17.7	16.5	15.2	13.8	12.2	10.3	8.1	4.7								
Shut-off PSI			125	116	108	99	90	82	73	64	56	47	38	30	21	12	4	

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	360
13ESN - 12STG	1 1/2	0								19.1	18.3	17.4	16.4	15.4	14.3	11.7	7.9
		20						18.9	18	17.1	16.1	15.1	13.9	12.7	11.2	7	
		30					18.7	17.9	16.9	16	14.9	13.7	12.4	10.9	9.1		
		40				18.6	17.7	16.8	15.8	14.7	13.5	12.2	10.7	8.8	6		
		50		19.3	18.5	17.6	16.7	15.6	14.6	13.4	12	10.4	8.4	5.3			
		60	19.2	18.3	17.4	16.5	15.5	14.4	13.2	11.8	10.2	8.1	4.4				
Shut-off PSI			147	139	130	121	113	104	95	87	78	70	61	52	44	26	9

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			120	160	200	240	280	320	340	360	380	400	420	440	460	480	500	520
13ESN - 17STG	2	0					18.3	17.1	16.5	15.8	15	15.1	13.2	12.2	11	9.8	8.2	6
		20				18.2	16.9	15.5	14.8	13.9	12.7	11.8	10.2	9.2	7.8	4.6		
		30			18.7	17.5	16.2	14.7	13.8	12.8	11.5	10.6	9.1	7.5	4.8			
		40		18.9	13.1	16.7	15.3	13.5	12.7	11.5	10.4	9.3	6.9	4.4				
		50		18.5	11.8	16	14.3	12.4	11.5	10	8.6	6.8	4					
		60	18.8	17.7	10.3	14.9	13.4	11	10.1	8.4	6.4	3.8						
Shut-off PSI			182	165	148	130	113	96	87	78	70	61	53	44	35	27	18	9

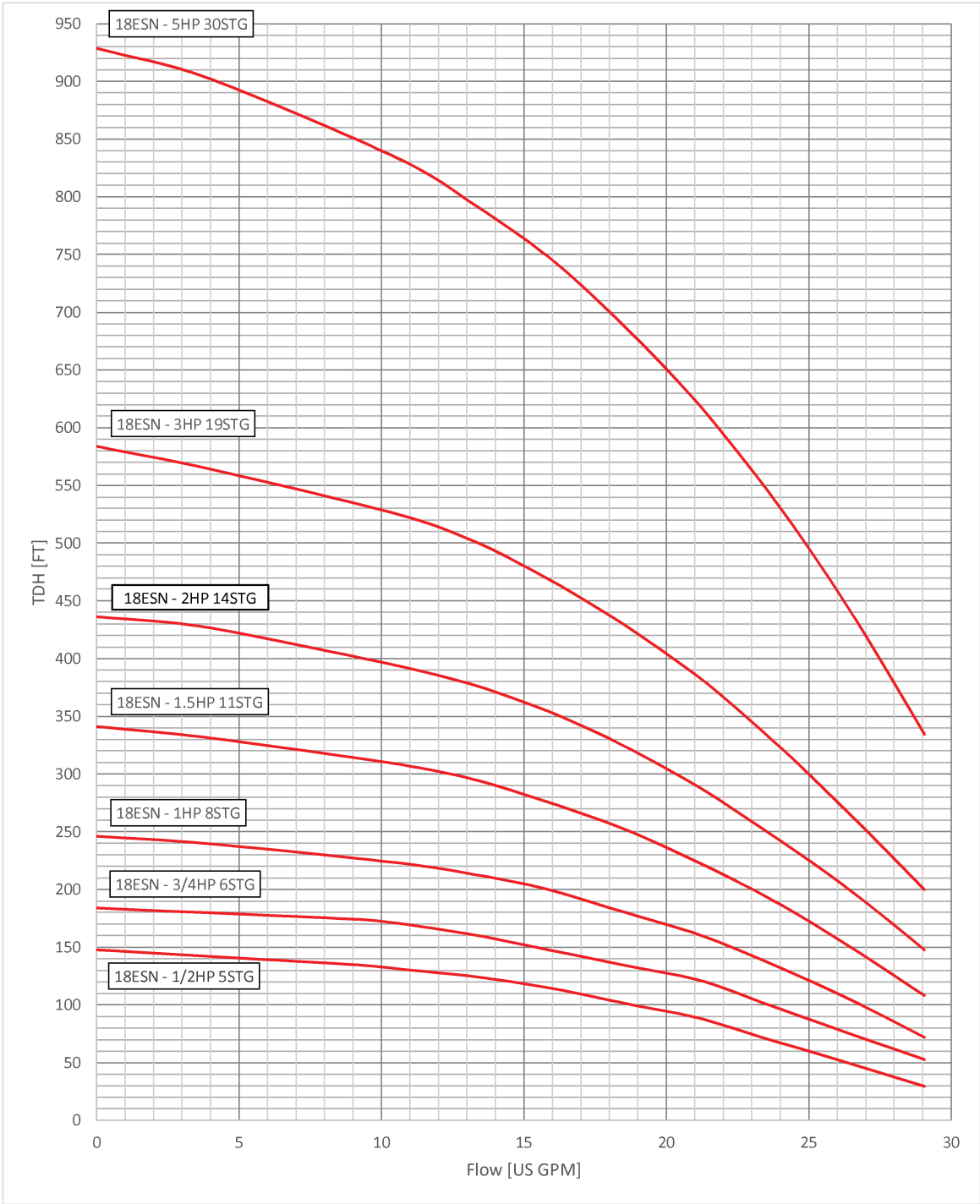
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]																	
			200	220	240	260	280	300	320	340	360	380	420	460	500	540	580	620	660	
13ESN - 21STG	3	0								18.9	18.5	18	16.9	15.7	14.5	12.9	11	9	4.6	
		20						18.7	18.5	17.9	17.2	16.7	15.9	14.2	12.6	11.8	8.6	3.8		
		30					18.6	18.4	17.8	17.2	16.6	16	14.8	13.4	11.7	9.7	6.2			
		40				18.6	18.2	17.9	17	16.5	15.9	15.3	13.9	12.3	10.2	7.8				
		50		19	19.1	18.2	17.6	17	16.3	15.9	15.2	14.5	13.1	11.2	9.1	5.4				
		60	19.1	18.5	17.9	17.4	16.8	16.5	15.8	15	14.4	13.8	12.1	10.2	7.2					
		Shut-off PSI			203	194	186	177	169	160	151	143	134	125	108	91	73	56	39	21

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]																
			400	440	480	520	560	600	640	680	720	760	800	840	880	920	960	1000	1040
13ESN - 35STG	5	0					18.7	18.1	17.5	16.8	16.1	15.4	14.5	13.8	12.9	11.8	10.5	9.2	6.1
		20				18.7	18	17.5	16.7	15.9	15.2	14.4	13.6	12.6	11.6	10.6	9	5.4	
		30			18.8	18.3	17.7	16.9	16.2	15.5	14.6	14	13.2	12.1	10.9	9.2	7.4		
		40			18.6	17.9	17.3	16.5	15.8	15.1	14.2	13.6	12.6	11.4	10.3	8.6	5.2		
		50		18.8	18.2	17.6	16.8	16.3	15.5	14.7	13.9	13	11.8	10.6	9.6	7.6			
		60	18.9	18.5	17.8	17.1	16.5	15.8	15	14.2	13.4	12.4	11.2	9.8	8.4	4.5			
		Shut-off PSI		291	274	257	239	222	205	187	170	153	135	118	101	83	66	49	32

MODEL 18ESN

PERFORMANCE CURVES

SIMFLO®



MODEL 18ESN

SIMFLO®

SECTIONAL CHART

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]						
			20	40	60	80	100	120	140
18ESN - 5STG	1/2	0			25.1	22.2	18.7	14.3	5.2
		20	24.2	21.1	17.5	12.7			
		30	20.6	16.8	11.8				
		40	16.1	10.7					
		50	9.6						
		60							
		Shut-off PSI	55	47	38	29	21	12	3

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]								
			20	40	60	80	100	120	140	160	180
18ESN - 6STG	3/4	0				26	23.6	20.8	17.6	13.5	2.9
		20			22.8	19.9	16.4				
		30	24.9	22.4	19.4	15.8	10.9				
		40	21.9	18.9	15.2	9.9					
		50	18.4	14.5	8.8						
		60	13.8	7.4							
		Shut-off PSI		71	62	54	45	36	28	19	10

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]											
			20	40	60	80	100	120	140	160	180	200	220	240
18ESN - 8STG	1	0						25.1	23.1	20.9	18.5	15.6	12	4
		20			26.3	24.5	22.5	20.2	17.6	14.6	10.5			
		30		26.1	24.2	22.1	19.8	17.2	14	9.7				
		40	25.8	23.9	21.8	19.5	16.8	13.5	8.8					
		50	23.6	21.4	19.1	16.3	12.9	7.7						
		60	21.1	18.7	15.8	12.2								
Shut-off PSI			98	89	81	72	63	55	46	37	29	20	11	3

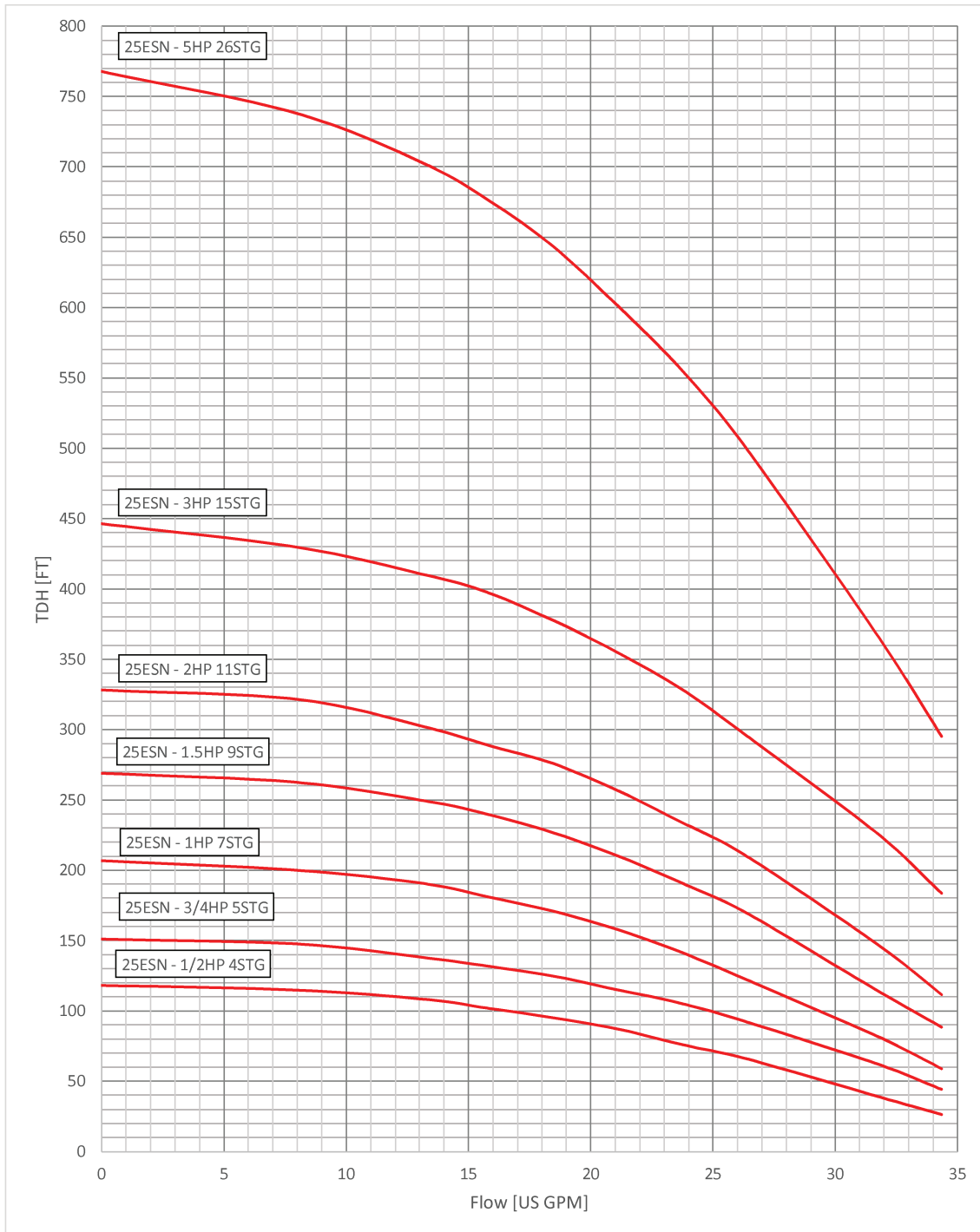
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]													
			20	40	60	80	100	120	140	160	180	200	220	240	280	320
18ESN - 11STG	1 1/2	0								25.8	24.4	22.9	21.3	19.5	15.2	7
		20						25.4	24	22.4	20.7	18.9	16.8	14.5		
		30					25.2	23.7	22.1	20.4	18.6	16.5	14.1	10.5		
		40				25	23.5	21.9	20.2	18.3	16.1	13.6	9.5			
		50		26.2	24.7	23.2	21.6	19.9	18	15.8	13.2	8.5				
		60	25.9	24.5	23	21.4	19.6	17.6	15.4	12.7	8					
Shut-off PSI			139	130	122	113	104	96	87	78	70	61	52	44	26	9

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	360	400
18ESN - 14STG	2	0							25	23.9	22.7	21.4	20.1	16.5	19	15.2	9.2
		20					26.1	25	23.9	22.7	21.4	20.1	18.7	15.4	14.5	8.2	
		30				26.6	24.6	23.6	22.9	22.1	20.8	18.2	16.5	14.6	11.8		
		40			25.5	24.2	23.4	21.4	20.5	19.5	17.6	16	13.6	10	6.8		
		50		25.5	24.4	23.5	22	20.8	18.3	17.6	15.5	13.5	10				
		60	25.5	24.4	23.5	22	20.5	19.5	17.5	15.6	12.8	10	6				
		Shut-off PSI	154	146	137	128	120	111	102	94	85	76	68	59	50	33	16

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]														
			140	180	220	240	260	280	300	320	340	360	380	400	440	480	540
18ESN - 19STG	3	0					26.7	25.9	25	24.1	23.2	22.2	21.1	20.1	17.7	14.9	8
		20				25.6	24.7	23.8	22.9	21.9	20.8	19.7	18.5	17.3	14.5	10.2	
		30			25.5	24.6	23.7	22.7	21.7	20.6	19.5	18.4	17.1	15.7	12.5	7	
		40		26.2	24.5	23.5	22.6	21.5	20.5	19.4	18.2	16.9	15.5	14	9.5		
		50	26.9	25.2	23.4	22.4	21.4	20.3	19.2	18	16.7	15.3	13.7	12			
		60	26	24.2	22.2	21.2	20.1	19	17.8	16.5	15	13.5	11.6	9.2			
		Shut-off PSI	192	175	158	149	140	132	123	114	106	97	88	80	62	45	19

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]														
			320	360	400	440	480	520	560	600	640	680	720	760	800	840	880
18ESN - 19STG	5	0				26.5	25.3	24.2	22.9	21.6	20.2	18.7	17	15.2	12.8	10	6.3
		20				25.2	24	22.7	21.4	19.9	18.4	16.7	14.9	12.5	9.5		
		30			25.7	24.5	23.2	21.9	20.6	19.1	17.5	15.7	13.7	11	7.4		
		40		26.1	25	23.8	22.5	21.2	19.7	18.2	16.5	14.6	12.1	8.8			
		50		25.5	24.3	23.1	21.7	20.3	18.8	17.2	15.4	13	10.3	6.7			
		60	26	24.8	23.6	22.3	20.9	19.5	17.9	16.2	14.3	11.6	8.5				
		Shut-off PSI	263	246	229	211	194	177	160	142	125	108	90	73	56	38	21

PERFORMANCE CURVES



MODEL 25ESN

SIMFLO®

SECTIONAL CHART

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]					
			20	40	60	80	100	
25ESN - 4STG	1/2	0		31.7	27.7	22.9	16.6	
		20	26.3	21.2	13.9	11.5		
		30	20.2	12.3	13.2			
		40	10.5	14.7				
		50	16					
		60						
Shut-off PSI			42	34	25	16	8	

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]						
			20	40	60	80	100	120	140
25ESN - 5STG	3/4	0			32	28.6	24.6	19.7	12.7
		20	31	27.4	23.2	17.9	9.2		
		30	26.8	22.5	16.9				
		40	21.7	15.8					
		50	14.7						
		60							
Shut-off PSI			57	48	39	31	22	13	5

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]									
			20	40	60	80	100	120	140	160	180	200
25ESN - 7STG	1	0				32	29.6	26.9	23.9	20.4	16.1	9.3
		20		31.2	28.8	26	22.9	19.2	14.4			
		30	30.9	28.3	25.5	22.4	18.5	13.5				
		40	27.9	25.1	21.8	17.9	12.4					
		50	24.6	21.3	17.1	11.3						
		60	20.7	16.4	10							
Shut-off PSI			81	72	64	55	46	38	29	20	12	3

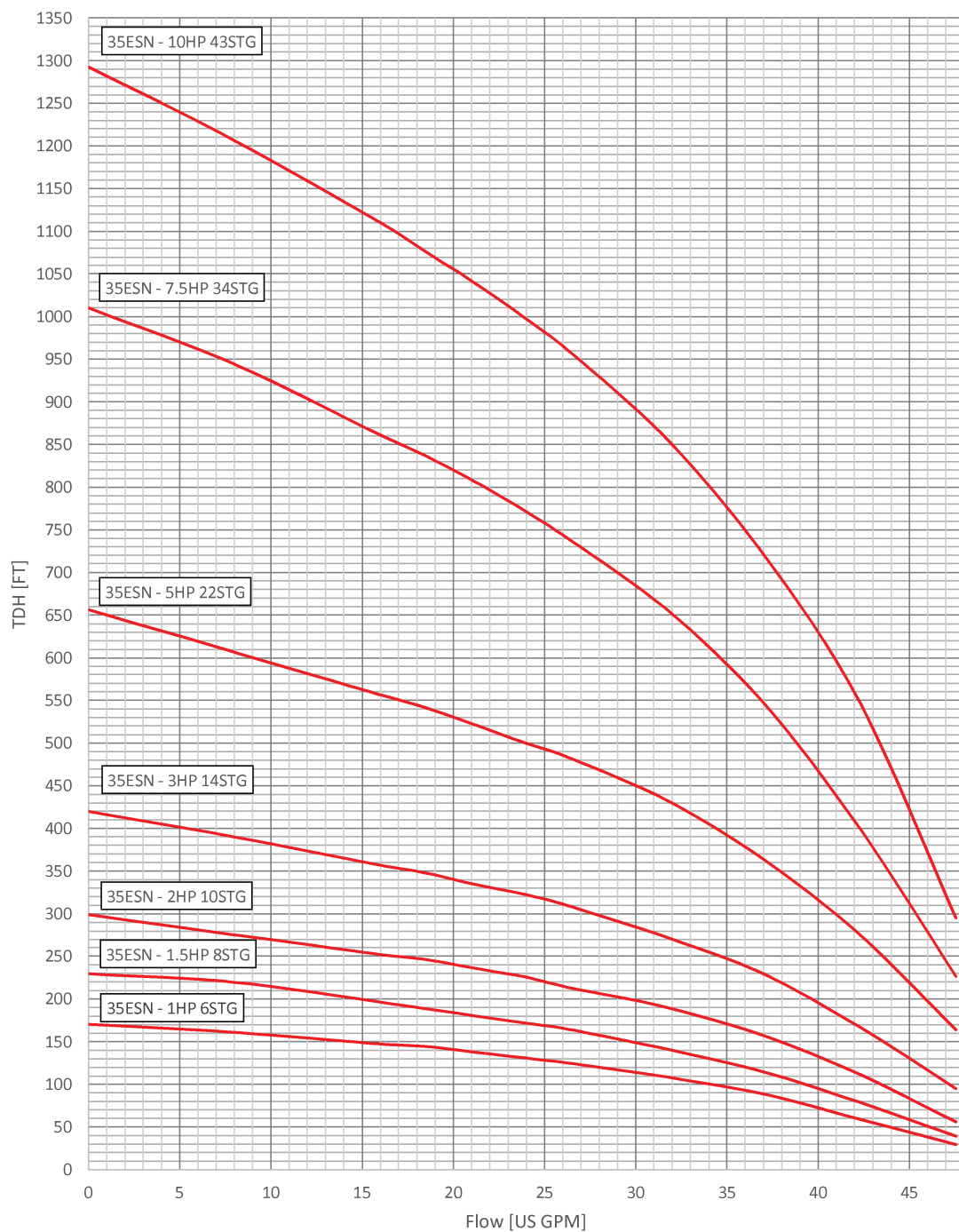
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]										
			20	40	60	80	100	120	140	160	180	200	220
25ESN - 9STG	1 1/2	0				31.4	29.5	27.4	25	22.4	19.4	15.7	9.8
		20			31.4	29.5	27.4	25	22.4	19.4			
		30			30.5	28.4	26.2	23.8	21				
		40		31.4	29.5	27.4	25	22.4					
		50		30.5	28.4	26.2	23.8						
		60	31.4	29.5	27.4	25							
Shut-off PSI			108	99	90	82	73	65	56	47	39	30	21

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	
25ESN - 11STG	2	0					30.7	29	27.1	25.1	22.9	20.5	17.6	14.1	8.8	
		20				30.7	29	27.1	25.1	22.9	20.5	17.6	14.1	8.8		
		30			31.5	29.8	28.1	26.1	24.1	21.8	19.1	16	11.9			
		40			30.7	29	27.1	25.1	22.9	20.5	17.6	14.1	8.8			
		50		31.5	29.8	28.1	26.1	24.1	21.8	19.1	16	11.9				
		60	32.3	30.7	29	27.1	25.1	22.9	20.5	17.6	14.1					
Shut-off PSI			107	99	90	81	73	64	55	47	38	29	21	12	3	

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	340	380	420	
25ESN - 15STG	3	0								33.4	32.1	30.7	29.3	27.7	26.1	24.3	22.4	18	11
		20					33	31.7	30.3	28.8	27.2	25.6	23.8	21.8	19.6	17.2	8.8		
		30				32.8	31.5	30	28.6	27	25.3	23.5	21.5	19.3	16.8	13.8			
		40			32.6	31.2	29.8	28.3	26.7	25	23.2	21.2	18.9	16.3	12.5				
		50		32.4	31	29.6	28.1	26.5	24.7	22.9	20.8	18.5	15.9	12					
		60	32.2	30.8	29.4	27.8	26.2	24.5	22.6	20.5	18.2	15.4	11.3						
Shut-off PSI			159	150	141	133	124	115	107	98	89	81	72	63	55	46	29	11	

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]															
			200	240	280	320	360	400	440	480	520	540	560	580	620	660	700	740
25ESN - 26STG	5	0				33.5	32.1	30.5	28.9	27.2	25.3	24.3	23.3	22.2	19.8	17.1	13.5	7.5
		20			33.3	31.8	30.3	28.6	26.9	25	22.9	21.8	20.7	19.4	16.6	13.6	5.7	
		30			32.5	31	29.3	27.6	25.8	23.8	21.7	20.5	19.2	17.9	14.9	9.8		
		40		33.1	31.6	30	28.4	26.6	24.7	22.6	20.3	19	17.6	16.1	11.8			
		50		32.2	30.7	29.1	27.4	25.5	23.5	21.3	18.8	17.4	15.9	13.5	8.5			
		60	32.9	31.4	29.8	28.1	26.3	24.4	22.3	19.9	17.2	15.8	13.6	11.2				
Shut-off PSI			246	228	211	194	176	159	142	125	107	99	90	81	64	47	29	12

PERFORMANCE CURVES



MODEL 35ESN

SIMFLO®

SECTIONAL CHART

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]							
			20	40	60	80	100	120	140	160
35ESN - 6STG	1	0		45.5	42	38.5	34	28	20	8
		20	41	37.5	29.5	26	17			
		30	37	32	25	15				
		40	30	24	12					
		50	22	11						
		60	9.9							
Shut-off PSI			65	57	48	39	31	22	13	5

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]										
			20	40	60	80	100	120	140	160	180	200	220
35ESN - 8STG	1 1/2	0			45.1	42	38.7	35.2	31.3	27	21.9	15	6.9
		20	44.2	41	37.7	34	30	25.5	20.2	13.5			
		30	40.5	37.1	33.4	29.4	24.7	19.3	12.2				
		40	36.6	32.8	28.7	23.9	18.3	10.8					
		50	32.2	28	23.1	17.3	9.3						
		60	28.2	22.3	16.3	7.7							
Shut-off PSI			91	82	73	65	56	47	39	30	21	13	4

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	280
35ESN - 10STG	2	0					43.4	41.2	39	36.3	33.5	29.5	25.1	20.3	12.5	6.5
		20			42.8	40.8	38.2	36	32.5	28	24	19	6.5	4.5		
		30			40.2	38.5	35.8	32.2	28	23.1	18	10.5	4.5			
		40		40	37.4	36	31.4	26.4	21.6	15.6	8					
		50		37.5	34.2	34.2	26.5	21.5	18	6.5						
		60	37.2	34.2	30.2	25.6	20.5	14.2	7.5							
Shut-off PSI			121	112	103	95	86	77	69	60	51	43	34	25	17	8

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]														
			20	40	60	80	100	120	140	160	180	200	220	240	280	320	360
35ESN - 14STG	3	0							44.6	42.8	40.9	38.9	36.8	34.6	29.8	24.2	15
		20					44	42.2	40.2	38.2	36.1	33.9	31.5	29	23.2	11.5	
		30				43.7	41.9	39.9	37.9	35.8	33.5	31.1	28.6	25.8	18	11	
		40			43.5	41.6	39.6	37.6	35.4	33.2	30.7	28.1	25.3	22	12		
		50		43.2	41.3	39.3	37.3	35.1	32.8	30.3	27.7	24.9	21	16	6.5		
		60	42.9	41	39	36.9	34.7	32.4	30	27.3	24.4	20	15.5	11			
Shut-off PSI			173	164	156	147	139	130	121	113	104	95	87	78	61	43	26

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]																
			100	140	180	220	260	300	320	340	360	380	400	420	460	500	540	580	620
35ESN - 22STG	5	0				45.4	42.9	41	39.6	38.5	36.1	35.8	34.5	32.8	28	24.2	18.5	12	6
		20			44.8	42.5	40.5	38.2	35.6	35.2	33.8	30.9	29.2	27.4	23.5	17.5	11.5		
		30			43.6	41	38.3	35.4	33.9	32.3	30.7	29	27.1	25.2	21	14	7.5		
		40		44.6	42.1	39.5	36.7	33.7	32.1	30.4	28.7	26.9	24.9	22.9	17	10			
		50	45.6	43.2	40.6	37.9	35	31.8	30.1	28.4	26.6	24.6	22.5	19	13	6.5			
		60	44.2	41.7	39	36.2	33.2	29.9	28.1	26.3	24.3	22.2	19	15.5	9				
Shut-off PSI			241	223	206	189	171	154	146	137	128	120	111	102	85	68	50	33	16

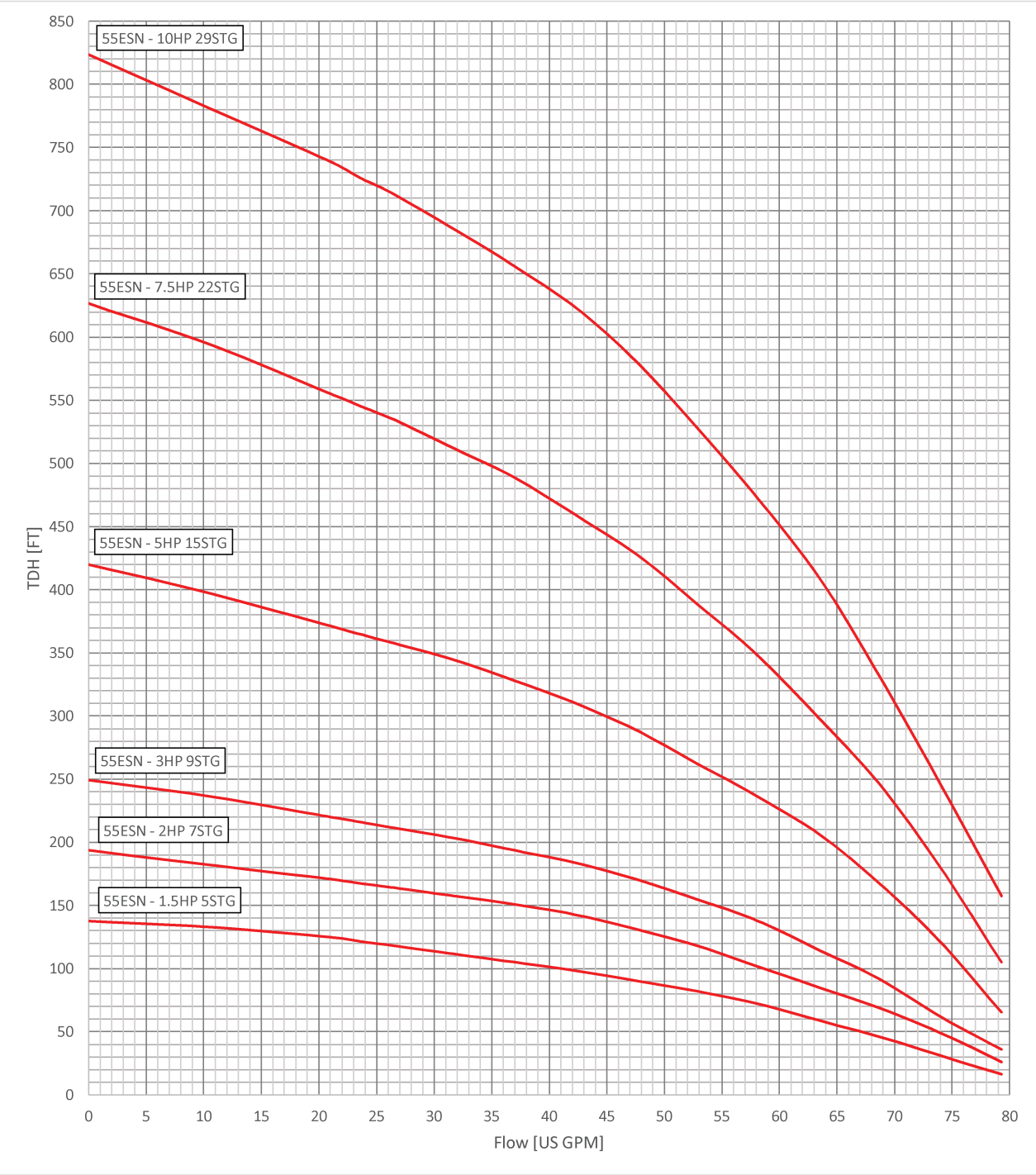
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]																					
			140	180	220	260	300	340	380	420	460	480	520	560	600	640	680	720	760	800	840	880		
35ESN - 34STG	7 1/2	0					45.5	44	42.9	41.3	40.2	38.8	37.2	35.5	33.6	31.5	29	23.5	20.8	16	12.3	8.5		
		20				45.2	44.1	42.8	39.4	38.1	36.7	37.8	36.2	34.6	31.1	28.8	25.8	22.9	19.5	11.5				
		30				44.6	43.2	41.1	38.4	37.8	37.4	37	35.2	33.2	29.9	27.5	24.5	21.2	17.5					
		40			44	43.7	42.8	40.8	37.4	36.5	36	35.5	33.8	31.9	28.6	26.1	22	18.8	15					
		50			44.2	43	41.6	40.5	36.4	35	34.5	33	32.6	30.6	27.1	24.7	20.5	16.5						
		60		44.6	43.8	42.3	41	39.2	35.4	33.9	32.3	31.1	31.8	29.2	25.8	23.2	18.3	14.5						
Shut-off PSI			392	377	360	342	325	308	290	273	256	238	230	212	195	178	160	143	126	108	91	74		

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]																				
			200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200
35ESN - 43STG	10	0						44.5	43	41.5	39.9	38.2	36.5	34.7	32.8	30.8	28.7	26.5	24	20.5	16.7	12.5	8.5
		20					44.6	43.1	41.6	40	38.3	36.6	34.8	33	31	28.9	26.6	24.2	20.5	17	13		
		30				45	43.9	42.4	40.8	39.2	37.6	35.8	34	32.1	30	27.9	25.5	22.5	19	15	11		
		40				44.5	43.2	41.7	40.1	38.5	36.8	35	33.1	31.1	29	26.8	24.4	21	17	13	9		
		50			45.1	44	42.5	41	39.4	37.7	35.9	34.1	32.2	30.2	28	25.7	22.5	19	15.5	11.5	7		
		60			44.8	43.3	41.8	40.2	38.6	36.9	35.1	33.2	31.3	29.2	27	24.6	21	17.5	13.5	9			
Shut-off PSI			473	451	430	408	386	365	343	321	300	278	257	235	213	192	170	148	127	105	83	62	40

MODEL 55ESN

PERFORMANCE CURVES

SIMFLO®



MODEL 55ESN

SIMFLO®

SECTIONAL CHART

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]						
			20	40	60	80	100	120	130
55ESN - 5STG	1 1/2	0		70	63	54.8	41.3	25	14.2
		20	61	50.8	36	20			
		30	47.8	34.3	16.9				
		40	30.4	10.2					
		50	6.2						
		60							
Shut-off PSI			51	42	34	25	16	8	3

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]								
			20	40	60	80	100	120	140	160	180
55ESN - 7STG	2	0			71	64.9	58.2	50.8	42.1	30	13
		20	69.2	62.9	57	50	39.1	25			
		30	61.9	54.9	49	38.5	23				
		40	53.7	47	35.8	19					
		50	46	34.1	18						
		60	32.2								
Shut-off PSI			75	66	58	49	41	32	23	15	6

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]										
			20	40	60	80	100	120	140	160	180	200	220
55ESN - 9STG	3	0			75.4	70.9	66.2	61.2	55.7	49.7	42.8	34.8	21
		20		69.5	64.7	48.5	53.5	48.5	39	25	17		
		30	68.8	65	60.2	55	46.6	37.5	39.5	14			
		40	63.1	58.8	53	47	37.5	23.6					
		50	59	52.9	45.3	36.7	22						
		60	52	43.3	35.4	23							
Shut-off PSI			99	91	82	73	65	56	47	39	30	21	13

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	360	400
55ESN - 15STG	5								68.8	66.8	64.7	61	56	53.3	48.4	39.5	25.5	9.4
		20					69	66	63	59.4	56.9	52.7	48	48	38	23		
		30				67.4	66	63.5	59.5	55.3	52.9	48	42.1	37	30.5	14		
		40		69.8	66.9	65	62	58.5	54.5	50.9	45.5	41	35.5	28	19			
		50	69.4	66.5	63.4	62	58	54	49.3	46.2	41	35	27	19	11			
		60	66	62.9	59.6	58	54	50	45.5	40.9	31	26	19	10				
Shut-off PSI			164	156	147	139	130	121	113	104	95	87	78	69	61	43	26	9

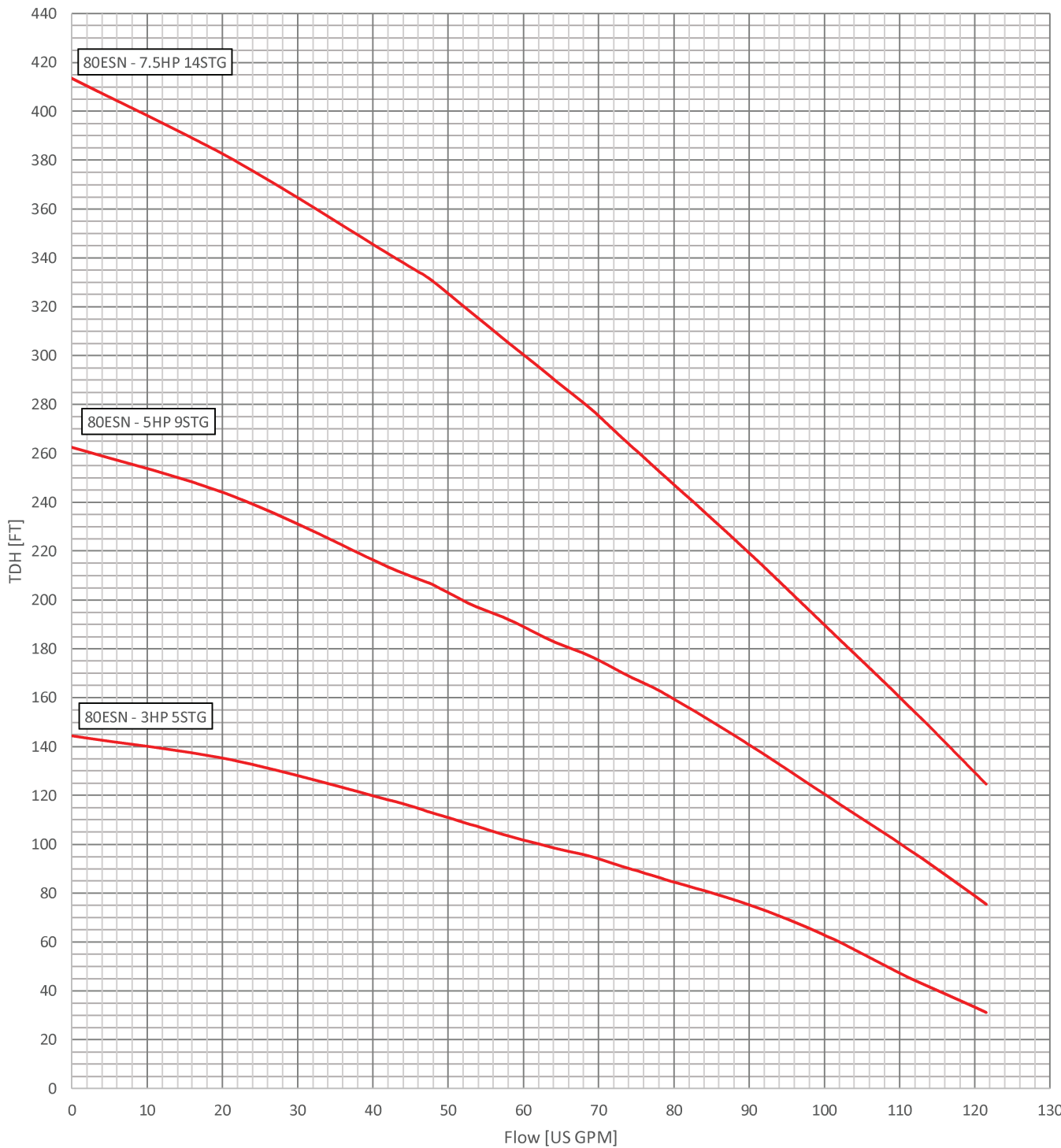
Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]																
			80	120	160	200	240	280	320	340	360	380	400	420	440	480	520	560	600
55ESN - 22STG	7 1/2	0				72.3	68.5	65.4	61.1	59	56.4	54	51.4	47.7	46.2	38.7	29.8	19.5	8.5
		20			71.8	68.5	63.7	60.4	55.7	53.4	50.6	47.8	44.5	41	38.9	29	19.2		
		30			70.5	66.5	61.2	57.7	52.8	50.4	47.4	44.5	41.4	37.1	33	23	11.7		
		40		71.2	68	63.1	59.5	54.9	49.7	46.5	44	41.5	35	31.5	26.5	16.5			
		50	73	69.5	65.5	61.5	57	52	46.5	43.8	39.5	35	31	26	21	9			
		60	71.5	67.5	63.5	60.5	54.5	49.5	42.5	39.5	35	30.5	26	19.5	15.5				
Shut-off PSI			237	219	202	185	167	150	133	124	115	107	98	89	81	63	46	29	12

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]																
			160	200	240	280	320	360	400	440	480	520	560	600	640	680	720	760	800
55ESN - 29STG	10	0					69.3	66.2	64.1	61	57.3	53.5	49.5	45.2	39.4	32.9	25	16.8	6
		20				68.8	66.5	64	60.2	56.9	52.9	48.9	44.5	39.6	32	24	15		
		30			70	67.1	65	61.7	58.2	54.8	50.6	46.4	41.7	34	27.5	18.5	8.8		
		40			68.3	66	63	60	56.1	52.5	48.2	43.7	38	29	22.5	12.5			
		50		69.6	67.2	64	61.5	58	54	49.2	45.7	40.9	34	26	17	7			
		60	70.8	67.9	66	63	58.2	56	51.7	47.8	43	37.9	29	22	11.5				
Shut-off PSI			287	270	253	235	218	201	183	166	149	131	114	97	79	62	45	27	10

MODEL 80ESN

PERFORMANCE CURVES

SIMFLO®



MODEL 80ESN

SIMFLO®

SECTIONAL CHART

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]							
			20	40	60	80	100	120		
80ESN - 5STG	3	0		116.4	100.8	83.4	63.7	40.1		
		20	95.6	79	56.9	34				
		30	74.6	52	34					
		40	49.7	26						
		50								
		60								
Shut-off PSI			54	45	37	28	19	11		

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]										
			20	40	60	80	100	120	140	160	180	200	220
80ESN - 9STG	5	0					110.4	100.4	90.5	79.5	66.3	53.1	38.6
		20			107.4	97.2	87.8	75.8	62.4	48.8			
		30		105.8	95.5	85	74	60.4	46.6				
		40	104.3	93.9	85	73	52	44.3					
		50	92.2	82	70	56.2	41						
		60	79.3	67.2	53	39.6							
Shut-off PSI			105	96	88	79	70	62	53	44	36	27	18

Pump Model	HP	PSI	Depth to Pumping Water Level [FT]/ Flow [GPM]														
			20	40	60	80	100	120	140	160	180	200	220	240	280	320	360
80ESN - 14STG	7 1/2	0							116.3	110.1	103.8	97.2	90.4	82.3	68.1	51.5	32.4
		20					115	108.2	101.7	94.2	87.8	81.5	73.4	67	51	31	
		30				113.5	107.2	100.8	93	86.5	80	73	65	59.5	41.5	20	
		40			112.5	106.2	96.5	93	86.1	78.8	71.2	61.7	55.5	47.5	26		
		50		111.5	105.2	98.7	92	84.2	77.7	70	62	56	46	35			
		60	110.6	104.2	97.7	90.9	83.9	76.5	68.8	60.7	52.1	47.6					
Shut-off PSI			170	162	153	144	136	127	118	110	101	92	84	75	58	40	23