

SIMFLO®

4" HI//LO

PERFORMANCE AND DATA



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4" HI/LO DATA BOOKLET

SIMFLO®

HI/LO "S" SERIES

(4" Stainless Steel Submersible Well Pumps)

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HI/LO "N" SERIES

(4" Submersible Well Pumps with Noryl Impeller)

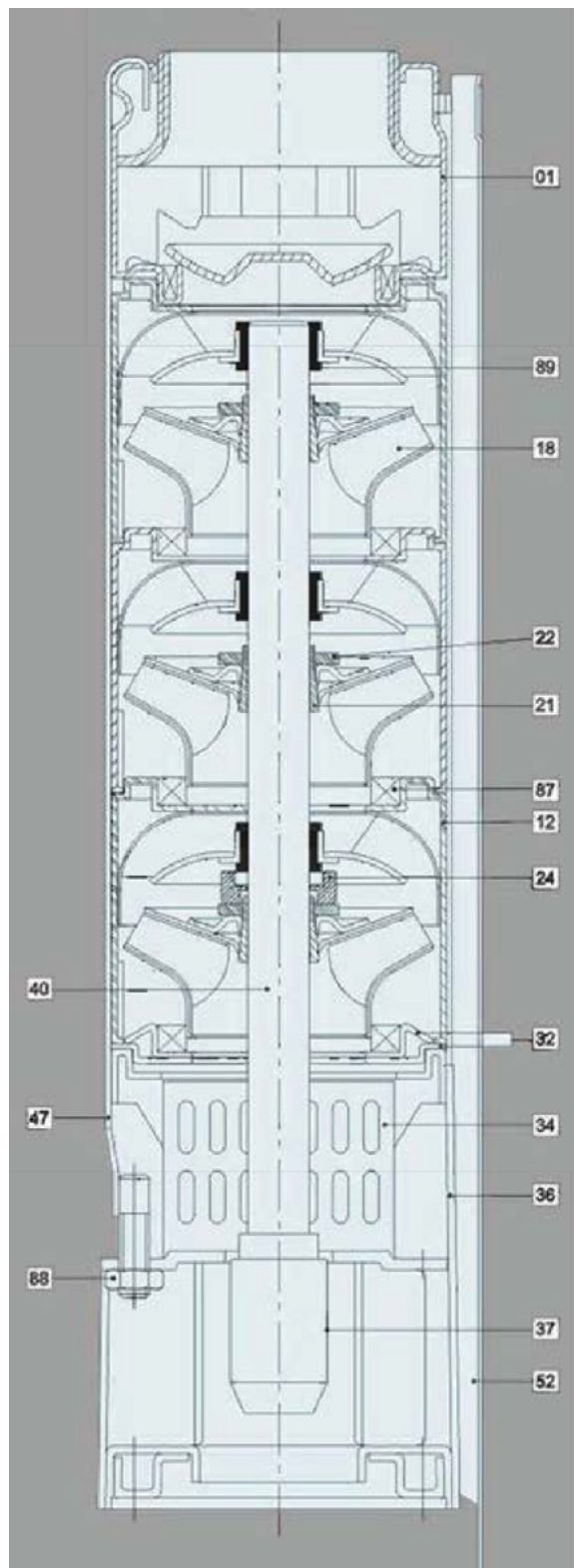
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General Material Data

HI/LO "S" SERIES



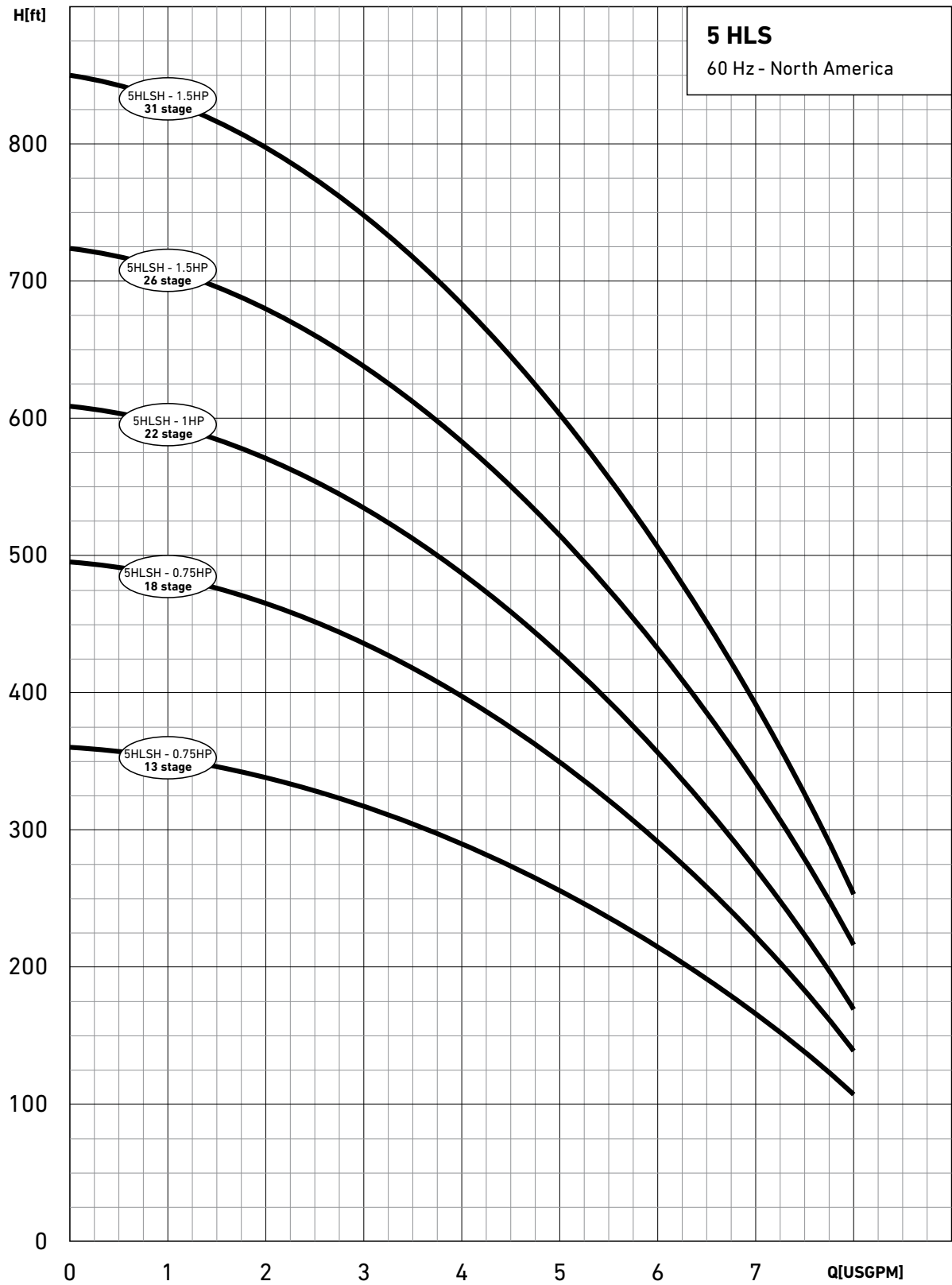
Pos.	Components	Material	Standard
01	Discharge	Stainless Steel	304
12	Diffuser	Stainless Steel	304
18	Impeller	Stainless Steel	304
21	Split Cone	Stainless Steel	304
22	Split Cone Nut	Stainless Steel	304
24	Stop Ring	Carbon/ Graphite/PTFE	
32	Neck Ring Retainer	Stainless Steel	304
24	Strainer	Stainless Steel	304
26	Suction Interconnector	Stainless Steel	304
40	Pump Shaft	Stainless Steel	304
37	Coupling	Stainless Steel	304
47	Strap	Stainless Steel	304
52	Cable Guard	Stainless Steel	304
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Hi/Lo "S" Series – 5 HLS

STAINLESS STEEL SUBMERSIBLE WELL PUMPS



5 GPM

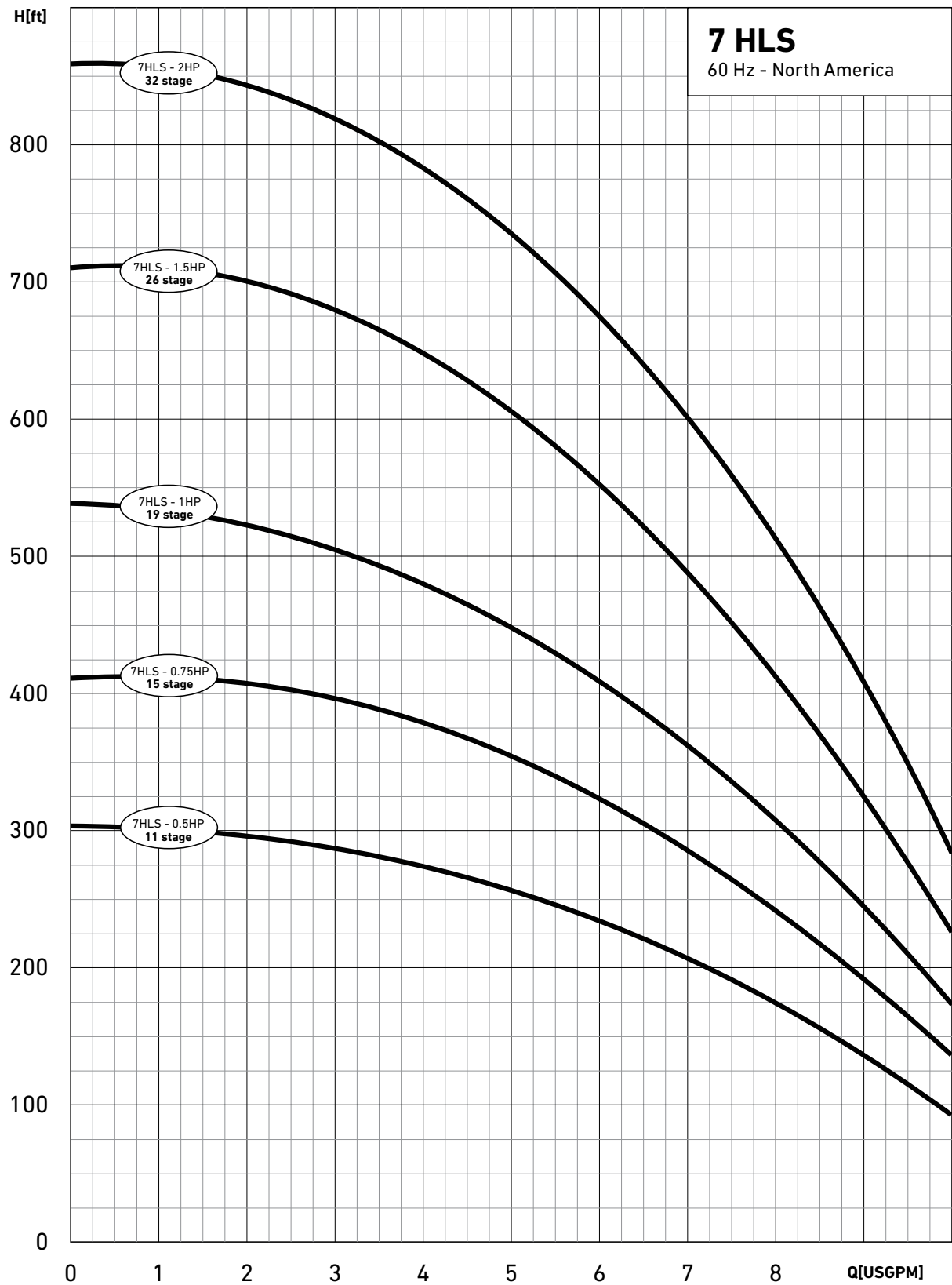


MODEL	HP	PSI	Depth to Water in Feet																											
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740	780	
5HL05S	½	0							7.4	6.9	6.5	6.0	5.5	5.1	4.6	4.1	3.4													
		20					7.2	6.8	6.3	5.8	5.4	4.9	4.5	3.9	3.2	2.2														
		30				7.2	6.7	6.2	5.8	5.3	4.9	4.4	3.8	3.1	2.0															
		40		7.5	7.1	6.6	6.2	5.7	5.2	4.8	4.3	3.7	2.9	1.8																
		50	7.5	7.0	6.6	6.1	5.6	5.2	4.7	4.2	3.6	2.8	1.5																	
		60	7.0	6.5	6.0	5.6	5.1	4.6	4.1	3.5	2.6																			
Shut-off PSI			144	135	126	118	109	101	92	83	75	66	57	49	40	31	23													
5HL07S	¾	0								7.9	7.6	7.3	7.0	6.6	6.3	5.9	5.6	4.9	4.2	3.3	1.8									
		20						7.8	7.5	6.8	6.5	6.2	5.8	5.5	5.2	4.8	4.1	3.1	1.4											
		30					7.8	7.5	7.1	6.8	6.5	6.1	5.8	5.4	5.1	4.8	4.4	3.6	2.3											
		40				7.7	7.4	7.1	6.7	6.4	6.1	5.7	5.4	5.1	4.7	4.4	4.0	2.9	1.1											
		50			7.7	7.4	7.0	6.7	6.3	6.0	5.7	5.3	5.0	4.7	4.3	3.9	3.4	2.0												
		60		7.6	7.3	7.0	6.6	6.3	6.0	5.6	5.3	5.0	4.6	4.3	3.9	3.4	2.7													
Shut-off PSI			202	193	185	176	167	159	150	141	133	124	116	107	98	90	81	64	46	29	12									
5HL10S	1	0											7.6	7.3	7.1	6.8	6.5	6.0	5.4	4.9	4.3	3.6	2.6							
		20									7.5	7.3	7.0	6.7	6.4	6.2	5.9	5.3	4.8	4.2	3.5	2.4								
		30								7.5	7.2	6.9	6.7	6.4	6.1	5.8	5.6	5.0	4.5	3.8	2.9	1.5								
		40							7.4	7.2	6.9	6.6	6.3	6.1	5.8	5.5	5.2	4.7	4.1	3.3	2.2									
		50						7.4	7.1	6.9	6.6	6.3	6.0	5.7	5.5	5.2	4.9	4.4	3.7	2.7	1.2									
		60					7.4	7.1	6.8	6.5	6.3	6.0	5.7	5.4	5.2	4.9	4.0	3.2	1.9											
Shut-off PSI							215	206	197	189	180	171	163	154	145	137	128	111	94	76	59	42	24							
5HL15SL	1½	0											7.8	7.6	7.4	7.2	6.7	6.2	5.7	5.3	4.8	4.4	3.8	3.0	1.9					
		20										7.5	7.3	7.1	6.9	6.6	6.1	5.7	5.2	4.8	4.3	3.7	2.9	1.7						
		30									7.5	7.3	7.1	6.8	6.6	6.3	5.9	5.4	5.0	4.5	4.0	3.3	2.3							
		40								7.5	7.2	7.0	6.8	6.5	6.3	6.1	5.6	5.2	4.7	4.2	3.6	2.7	1.5							
		50							7.4	7.2	7.0	6.7	6.5	6.3	6.0	5.8	5.3	4.9	4.4	3.9	3.1	2.1								
		60						7.4	7.2	6.9	6.7	6.5	6.2	6.0	5.8	5.5	5.1	4.6	4.1	3.5	2.6									
Shut-off PSI								244	235	226	218	209	201	192	183	175	157	140	123	105	88	71	53	36	19					
5HL15SH	1½	0														7.7	7.3	6.9	6.5	6.2	5.8	5.4	5.0	4.6	4.2	3.7	3.0	2.1		
		20													7.4	7.3	6.9	6.5	6.1	5.7	5.3	4.9	4.5	4.1	3.6	2.9	1.9			
		30												7.4	7.2	7.0	6.7	6.3	5.9	5.5	5.1	4.7	4.3	3.8	3.2	1.4	1.2			
		40											7.4	7.2	7.0	6.8	6.4	6.0	5.6	5.3	4.9	4.5	4.0	3.5	2.8	1.8				
		50									7.5	7.4	7.2	7.0	6.8	6.6	6.2	5.8	5.4	5.0	4.7	4.2	3.7	3.1	2.2					
		60								7.5	7.3	7.1	7.0	6.8	6.6	6.4	6.0	5.6	5.2	4.8	4.4	4.0	3.4	2.6	1.6					
Shut-off PSI										285	276	268	259	250	242	233	216	198	181	164	146	129	112	95	77	60	43	25		

Hi/Lo “S” Series – 7 HLS
STAINLESS STEEL SUBMERSIBLE WELL PUMPS



7 GPM

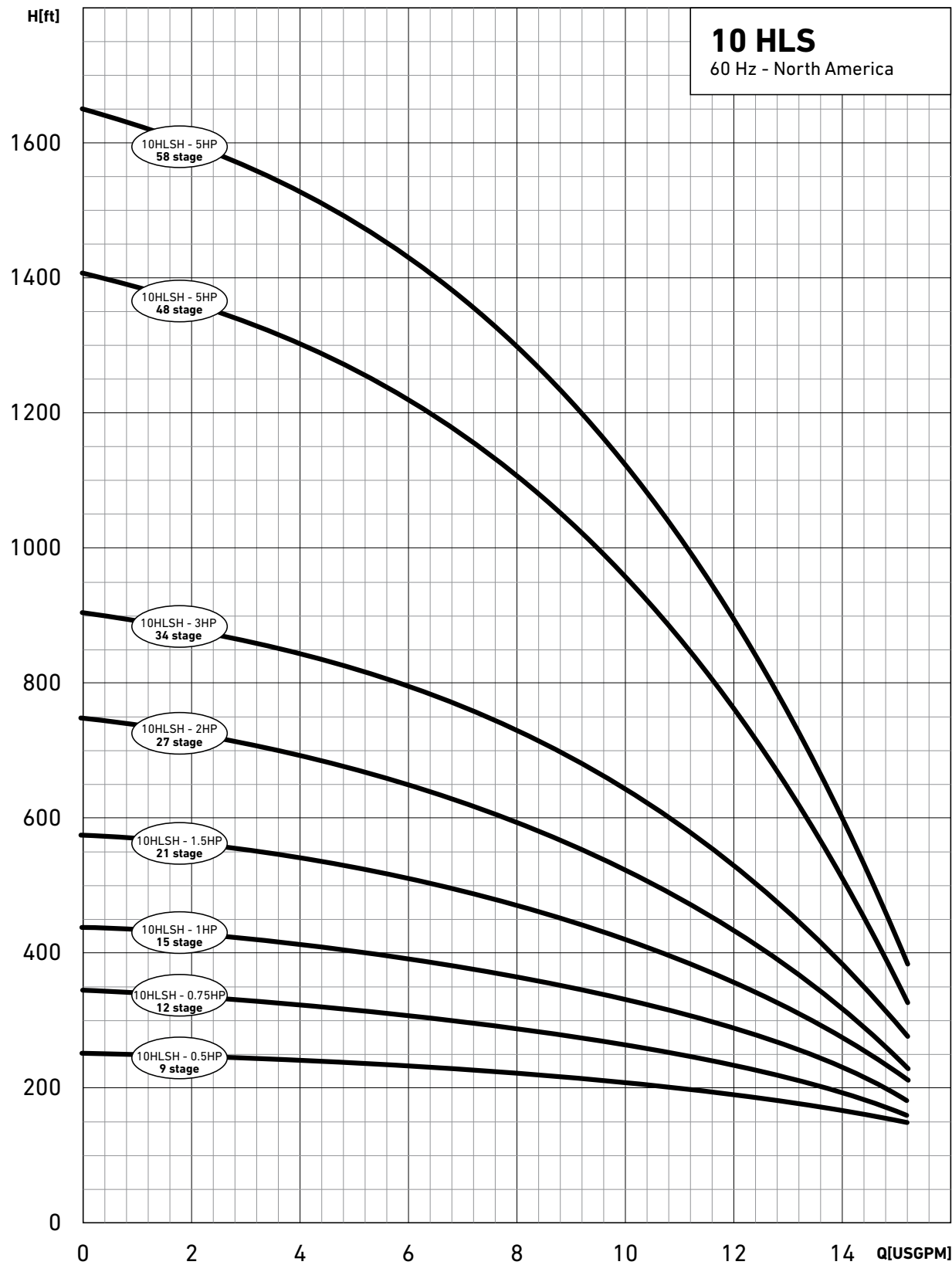


MODEL	HP	PSI	Depth to Water in Feet																					
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	
7HL05S	½	0					9.9	9.5	8.9	8.4	7.8	7.3	6.7	6.0	5.0	4.0								
		20			9.8	9.3	8.8	8.2	7.7	7.1	6.5	5.8	4.7	3.5	1.8									
		30	10.1	9.7	9.2	8.7	8.1	7.6	7.0	6.4	5.6	4.7	2.9											
		40	9.6	9.2	8.6	8.1	7.5	6.9	6.2	5.6	4.3	3.0	1.5											
		50	9.1	8.5	8.0	7.4	6.8	6.2	5.3	4.3	2.2													
		60	8.4	7.9	7.3	6.8	6.0	5.3	3.8	2.3														
Shut-off PSI			122	113	105	96	87	79	70	61	53	44	35	27	18	10								
7HL07S	¾	0						10.2	9.9	9.5	9.2	8.8	8.4	8.0	7.6	7.1	6.7	5.6	2.9					
		20				10.1	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.5	6.1	5.4	3.6						
		30			10.0	9.7	9.4	9.0	8.6	8.2	7.8	7.4	6.9	6.5	5.9	5.4	4.5	1.8						
		40		10.0	9.7	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.4	5.9	5.2	4.5	3.2	1.0						
		50	9.9	9.6	9.2	8.9	8.5	8.1	7.6	7.2	6.8	6.4	5.8	5.2	4.2	3.2	1.6							
		60	9.5	9.2	8.8	8.4	8.0	7.6	7.2	6.7	6.2	5.7	4.9	4.2	2.8	1.4								
Shut-off PSI			170	101	153	144	135	127	118	110	101	92	84	75	66	58	49	32	6					
7HL10S	1	0								10.1	9.8	9.6	9.3	9.0	8.7	8.4	8.0	7.4	6.4	4.8				
		20						10.0	9.8	9.5	9.2	8.9	8.6	8.3	7.9	7.6	7.3	6.6	5.3	2.8				
		30					10.0	9.7	9.5	9.2	8.9	8.5	8.2	7.9	7.6	7.3	6.9	6.2	4.6	1.4				
		40				10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.8	7.5	7.2	6.9	6.5	5.6	3.7					
		50		10.2	9.9	9.7	9.4	9.1	8.8	8.4	8.1	7.8	7.5	7.2	6.8	6.5	6.0	5.0	2.4					
		60	10.1	9.9	9.6	9.3	9.0	8.7	8.4	8.1	7.8	7.4	7.1	6.8	6.4	6.0	5.5	4.2						
Shut-off PSI			218	209	200	192	183	174	166	157	148	140	131	123	114	105	97	79	53	27				
7HL15S	1½	0											10.1	9.9	9.7	9.5	9.3	8.8	8.1	7.4	6.7	5.5		
		20									10.0	9.8	9.6	9.4	9.2	9.0	8.8	8.3	7.6	6.9	6.1	4.4		
		30								10.0	9.8	9.6	9.4	9.2	9.0	8.7	8.5	8.0	7.3	6.6	5.7	3.7		
		40						10.1	10.0	9.8	9.6	9.4	9.1	8.9	8.7	8.5	8.2	7.8	7.1	6.3	5.2	2.9		
		50					10.1	9.9	9.7	9.6	9.3	9.1	8.9	8.7	8.4	8.2	8.0	7.5	6.8	5.9	4.7	1.9		
		60				10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.6	8.4	8.2	7.9	7.7	7.2	6.5	5.5	4.1			
Shut-off PSI						274	265	257	248	239	231	222	213	205	196	187	179	161	135	110	84	49		
7HL20S	2	0											10.6	10.5	10.4	10.4	10.3	10.1	9.6	9.1	8.4	7.3	5.7	
		20										10.5	10.5	10.4	10.3	10.2	10.0	9.8	9.2	8.6	7.8	6.6	4.8	
		30									10.5	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.6	9.0	8.3	7.5	6.2	4.3
		40							10.5	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.7	9.4	8.8	8.0	7.2	5.8	3.9	
		50							10.5	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.5	9.1	8.5	7.7	6.8	5.4	3.3	
		60						10.5	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.5	9.3	8.9	8.2	7.4	6.4	5.0		
Shut-off PSI							343	334	326	317	308	300	291	282	274	265	256	239	213	187	161	126	83	

Hi/Lo "S" Series – 10 HLS
STAINLESS STEEL SUBMERSIBLE WELL PUMPS



10 GPM

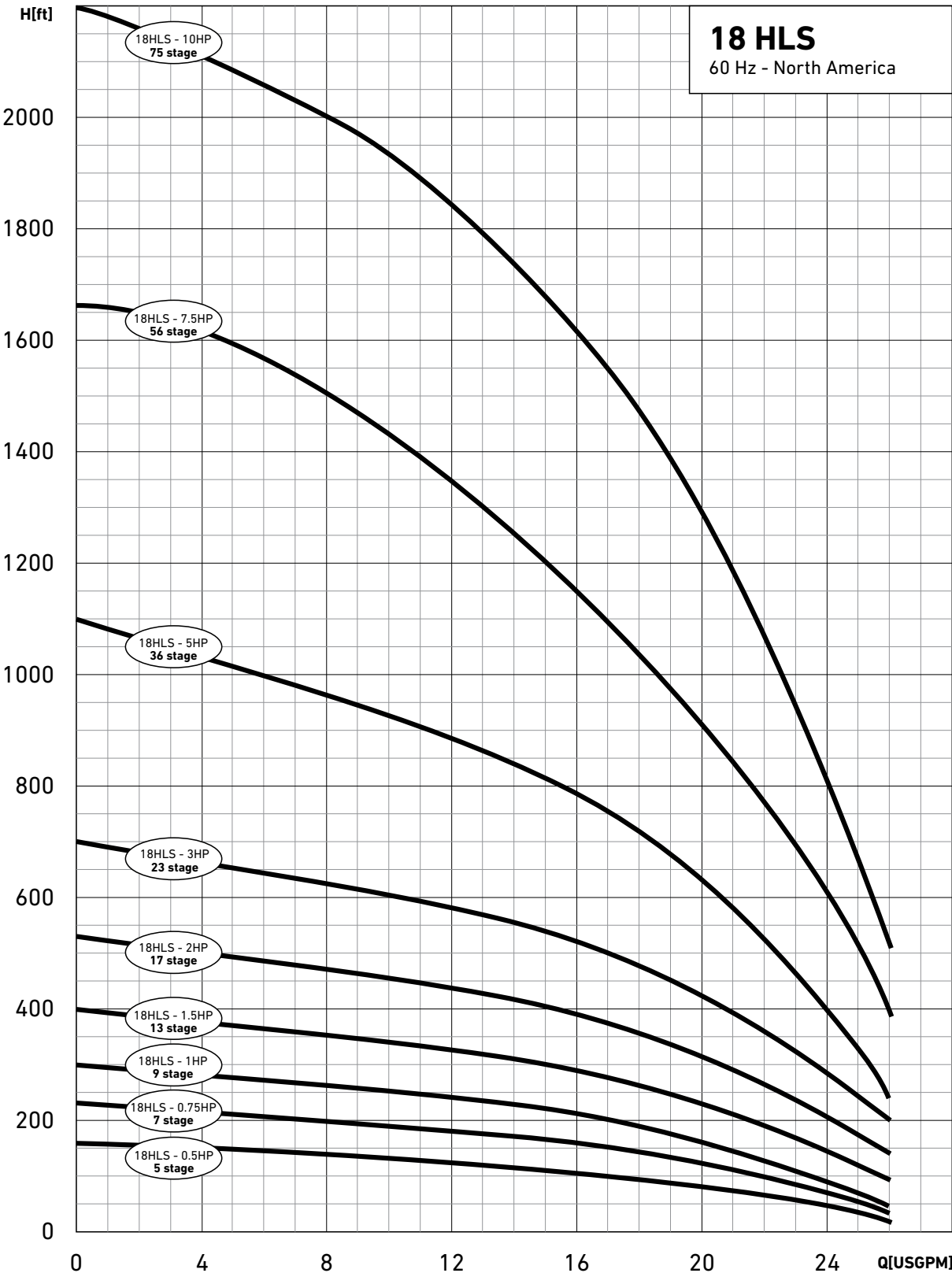


MODEL	HP	PSI	Depth to Water in Feet																														
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740	780	820	860	900	
10HL05S	½	0		16.2	15.5	14.8	14.0	13.1	12.1	11.0	9.8	8.3	6.3	3.1																			
		20	15.3	14.6	13.7	12.8	11.7	10.6	9.4	7.8	5.4																						
		30	14.4	13.6	12.6	11.6	10.4	9.1	7.5	5.0																							
		40	13.4	12.4	11.4	10.3	8.9	7.1	4.5																								
		50	12.3	11.2	10.1	8.7	6.8	4.0																									
		60	11.1	9.9	8.4	6.4	3.4																										
Shut-off PSI			101	92	84	75	66	58	49	41	32	23	15	6																			
10HL07S	¾	0			16.0	15.5	15.0	14.4	13.8	13.1	12.3	11.5	10.7	9.8	8.7	7.4	5.6																
		20	15.9	15.4	14.8	14.2	13.5	12.8	12.1	11.3	10.4	9.5	8.3	6.9	4.9	2.2																	
		30	15.3	14.7	14.1	13.4	12.7	12.0	11.1	10.3	9.3	8.1	6.6	4.6																			
		40	14.6	14.0	13.3	12.6	11.8	11.0	10.1	9.1	7.9	6.3	4.2																				
		50	13.9	13.2	12.5	11.7	10.9	10.0	9.0	7.7	6.0	3.8																					
		60	13.1	12.4	11.6	10.8	9.8	8.8	7.5	5.7	3.3																						
Shut-off PSI			138	129	120	112	103	94	86	77	68	60	51	42	34	25	16																
10HL10S	1	0				16.0	15.8	15.5	15.0	14.5	13.9	13.2	12.5	11.8	11.2	10.5	9.8	8.0	5.2														
		20		15.9	15.7	15.3	14.9	14.3	13.7	13.0	12.3	11.6	10.9	10.3	9.5	8.7	7.6	4.6															
		30	15.9	15.6	15.3	14.8	14.2	13.6	12.9	12.2	11.5	10.8	10.1	9.4	8.5	7.4	6.1																
		40	15.6	15.2	14.7	14.1	13.5	12.8	12.1	11.4	10.7	10.0	9.3	8.4	7.3	5.8	4.0																
		50	15.1	14.6	14.0	13.4	12.7	12.0	11.3	10.6	9.9	9.1	8.2	7.1	5.6	3.6																	
		60	14.5	13.9	13.2	12.6	11.9	11.2	10.5	9.8	9.0	8.1	6.9	5.3	3.3																		
Shut-off PSI			174	166	157	148	140	131	122	114	105	96	88	79	70	62	53	36	18														
10HL15S	1½	0						15.8	15.5	15.2	14.9	14.6	14.2	13.9	13.5	13.1	12.6	11.8	10.8	9.8	8.5	6.9	4.6										
		20			16.0	15.7	15.4	15.1	14.8	14.5	14.1	13.7	13.3	12.9	12.5	12.1	11.6	10.7	9.6	8.3	6.6	4.2											
		30		16.0	15.7	15.4	15.1	14.8	14.4	14.1	13.7	13.3	12.9	12.4	12.0	11.5	11.1	10.1	8.9	7.4	5.3	2.3											
		40	15.9	15.6	15.4	15.0	14.7	14.4	14.0	13.6	13.2	12.8	12.4	11.9	11.5	11.0	10.5	9.4	8.1	6.3	3.7												
		50	15.6	15.3	15.0	14.7	14.3	13.9	13.6	13.2	12.7	12.3	11.9	11.4	10.9	10.4	9.9	8.7	7.1	4.9													
		60	15.3	14.9	14.6	14.3	13.9	13.5	13.1	12.7	12.2	11.8	11.3	10.9	10.4	9.8	9.2	7.9	6.0	3.2													
Shut-off PSI			247	239	230	222	213	204	196	187	178	170	161	152	144	135	126	109	92	74	57	40	22										
10HL20S	2	0					16.4	16.2	16.0	15.8	15.5	15.3	15.1	14.8	14.6	14.3	14.0	13.4	12.7	12.1	11.3	10.6	9.8	8.8	7.7	6.3	4.3						
		20					15.9	15.7	15.5	15.2	15.0	14.7	14.5	14.2	13.9	13.6	13.3	12.6	11.9	11.2	10.5	9.6	8.7	7.5	6.0	4.0							
		30				15.9	15.7	15.2	15.0	14.7	14.4	14.1	13.8	13.5	13.2	12.9	12.2	11.5	10.8	10.0	9.1	8.0	6.7	4.9	2.5								
		40		16.0	15.8	15.6	15.2	14.9	14.7	14.4	14.1	13.8	13.5	13.2	12.9	12.5	11.8	11.1	10.4	9.5	8.5	7.3	5.7	3.6									
		50	16.0	15.8	15.6	15.4	15.1	14.9	14.6	14.3	14.1	13.8	13.4	13.1	12.8	12.4	12.1	11.4	10.7	9.9	9.0	7.8	6.4	4.6	2.1								
		60	15.8	15.6	15.3	15.1	14.8	14.6	14.3	14.0	13.7	13.4	13.1	12.8	12.4	12.1	11.7	11.0	10.2	9.4	8.3	7.1	5.4	3.2									
Shut-off PSI			321	312	303	295	286	277	269	260	251	243	234	225	217	208	199	182	165	148	130	113	96	78	61	44	26						
10HL30S	3	0									15.9	15.8	15.6	15.4	15.2	15.0	14.8	14.4	14.0	13.5	13.0	12.4	11.9	11.3	10.2	10.1	9.4	8.6	7.7	6.6	5.2	3.5	
		20						16.0	15.9	15.7	15.5	15.3	15.1	14.9	14.7	14.5	14.3	14.1	13.6	13.1	12.6	12.0	11.5	10.9	10.3	9.6	8.9	8.0	6.9	5.6	4.0		
		30					16.0	15.9	15.7	15.5	15.3	15.1	14.9	14.7	14.5	14.3	14.1	13.6	13.1	12.6	12.0	11.5	10.9	10.3	9.6	8.9	8.0	6.9	5.6	4.0			
		40				16.0	15.8	15.7	15.5	15.3	15.1	14.9	14.7	14.5	14.3	13.8	13.3	12.8	12.3	11.7	11.2	10.6	9.9	9.2	8.4	7.4	6.2	4.7	2.8				
		50			16.0	15.8	15.6	15.5	15.3	15.1	14.9	14.7	14.5	14.2	14.0	13.8	13.5	13.0	12.5	12.0	11.4	10.8	10.2	9.5	8.7	7.8	6.7	5.4	3.7				
		60		15.9	15.8	15.6	15.4	15.2	15.1	14.9	14.6	14.4	14.2	14.0	13.7	13.5	13.2	12.7	12.2	11.6	11.1	10.5	9.8	9.1	8.2	7.2	6.0	4.5	2.5				
Shut-off PSI			406	397	389	380	371	363	354	345	337	328	319	311	302	293	285	268	250	233	216	198	181	164	146	129	112	94	77	60	42	25	

Hi/Lo "S" Series – 18 HLS
STAINLESS STEEL SUBMERSIBLE WELL PUMPS



18 GPM

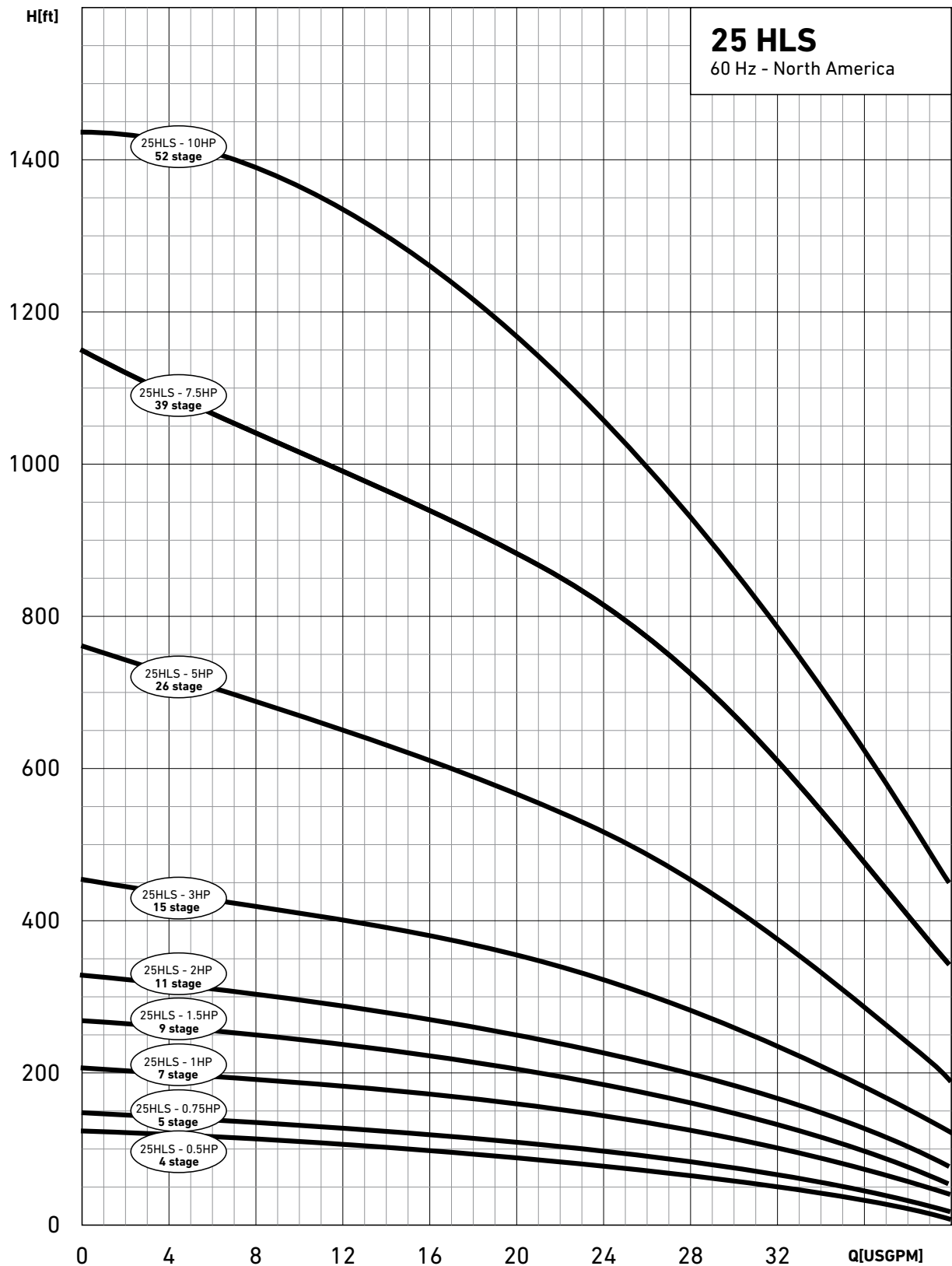


MODEL	HP	PSI	Depth to Water in Feet																																
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740	780	820	860	900	940	980	
18HL05S	½	0		23.7	22.4	20.1	17.1	13.1	6.2																										
		20	21.8	19.2	16.1	11.3																													
		30	18.7	15.5	10.3																														
		40	14.9	9.2																															
		50	8.0																																
Shut-off PSI			59	50	42	33	24	16	7																										
18HL07S	¾	0		25.4	23.6	22.7	21.2	19.3	17.1	14.5	10.5																								
		20	23.4	22.3	20.7	18.6	16.4	13.4	9.0																										
		30	22.1	20.4	18.3	16.0	12.9	8.1																											
		40	20.0	18.0	15.6	12.2	7.3																												
		50	17.6	15.1	11.6	6.3																													
Shut-off PSI			86	77	69	60	51	43	34	25	17																								
18HL10S	1	0		27.7	24.4	23.4	22.6	21.3	19.6	17.7	15.6	12.8	9.1																						
		20	26.2	24.0	23.2	22.3	20.8	19.1	17.1	14.8	11.8	7.7																							
		30	23.8	23.1	22.1	20.6	18.8	16.8	14.4	11.2	7.0																								
		40	23.0	21.9	20.3	18.5	16.4	13.9	10.6	6.3																									
		50	21.7	20.0	18.2	16.1	13.5	10.0																											
Shut-off PSI			113	104	95	87	78	69	61	52	43	35	26	17																					
18HL15S	1½	0		27.7	24.9	23.7	23.2	22.8	22.3	21.5	20.5	19.4	18.3	17.1	15.8	14.2	9.8																		
		20	26.5	24.4	23.5	23.1	22.7	22.0	21.2	20.2	19.1	17.9	16.7	15.3	13.7	11.5	8.9																		
		30	24.2	23.5	23.1	22.6	21.9	21.0	20.0	18.9	17.8	16.5	15.1	13.4	11.2	8.5																			
		40	23.4	23.0	22.5	21.8	20.9	19.8	18.7	17.6	16.3	14.9	13.1	10.8	8.0																				
		50	22.9	22.4	21.7	20.7	19.7	18.6	17.4	16.1	14.6	12.7	10.4	7.5																					
Shut-off PSI			167	158	150	141	132	124	115	106	98	89	80	72	63	54	46	28																	
18HL20S	2	0		27.4	25.2	24.1	23.6	23.2	22.9	22.5	22.0	21.3	20.6	19.8	18.9	17.1	15.0	12.1	8.1																
		20	26.5	24.8	23.9	23.4	23.1	22.8	22.4	21.8	21.1	20.3	19.5	18.6	17.8	16.8	14.6	11.6	7.4																
		30	26.2	24.6	23.8	23.4	23.1	22.7	22.3	21.7	21.0	20.2	19.4	18.5	17.6	16.7	15.6	13.0	9.3																
		40	24.4	23.7	23.3	23.0	22.7	22.2	21.6	20.9	20.1	19.2	18.4	17.5	16.5	15.4	14.2	11.0	6.6																
		50	23.6	23.3	23.0	22.6	22.1	21.5	20.7	19.9	19.1	18.2	17.3	16.4	15.3	14.0	12.5	8.6																	
Shut-off PSI			221	212	204	195	186	178	169	160	152	143	134	126	117	108	100	82	65	48	30														
18HL30S	3	0				28.3	26.2	24.9	24.2	23.7	23.4	23.2	23.0	22.7	22.3	21.9	20.9	19.7	18.5	17.1	15.6	13.8	11.4	8.3											
		20			27.6	25.8	24.7	24.0	23.6	23.3	23.1	22.9	22.6	22.2	21.8	21.3	20.7	19.5	18.2	16.9	15.3	13.4	10.9	7.8											
		30		27.2	25.6	24.5	23.9	23.6	23.3	23.1	22.8	22.5	22.2	21.7	21.2	20.6	20.0	18.8	17.5	16.0	14.3	12.1	9.2												
		40	26.9	25.4	24.4	23.8	23.5	23.3	23.1	22.8	22.5	22.1	21.6	21.1	20.5	19.9	19.3	18.0	16.7	15.1	13.1	10.5	7.2												
		50	25.2	24.3	23.8	23.5	23.2	23.0	22.8	22.4	22.0	21.6	21.0	20.5	19.9	19.2	18.6	17.3	15.8	14.0	11.7	8.7													
Shut-off PSI			302	293	285	276	267	259	250	241	233	224	215	207	198	189	181	163	146	129	111	94	77	59	42										
18HL50S	5	0							28.1	26.7	25.7	24.9	24.4	24.0	23.7	23.5	23.2	22.9	22.6	22.1	21.5	20.8	20.0	19.2	18.4	17.6	16.7	15.7	14.6	13.2	11.7	9.9	7.8		
		20						27.6	26.3	25.4	24.7	24.2	23.9	23.7	23.5	23.3	23.2	22.9	22.5	22.0	21.4	20.6	19.9	19.1	18.3	17.4	16.5	15.5	14.4	13.0	11.4	9.6	7.4		
		30					27.4	26.2	25.3	24.6	24.2	23.9	23.6	23.4	23.3	23.2	23.0	22.7	22.2	21.6	21.0	20.2	19.4	18.6	17.8	16.9	16.0	14.9	13.6	12.1	10.4	8.4	6.1		
		40			28.7	27.2	26.0	25.2	24.6	24.1	23.8	23.6	23.4	23.3	23.1	23.0	22.8	22.4	21.9	21.2	20.5	19.8	19.0	18.1	17.3	16.4	15.3	14.3	12.8	11.2	9.2	7.1			
		50		28.4	27.0	25.9	25.1	24.5	24.1	23.8	23.6	23.4	23.3	23.1	23.0	22.8	22.6	22.1	21.5	20.8	20.1	19.3	18.5	17.6	16.8	15.8	14.7	13.4	11.9	10.1	8.0				
Shut-off PSI			477	469	460	451	443	434	425	417	408	399	391	382	373	365	356	339	321	304	287	270	252	262	218	200	183	166	148	131	114	96	79	62	

Hi/Lo "S" Series – 25 HLS
STAINLESS STEEL SUBMERSIBLE WELL PUMPS



25 GPM

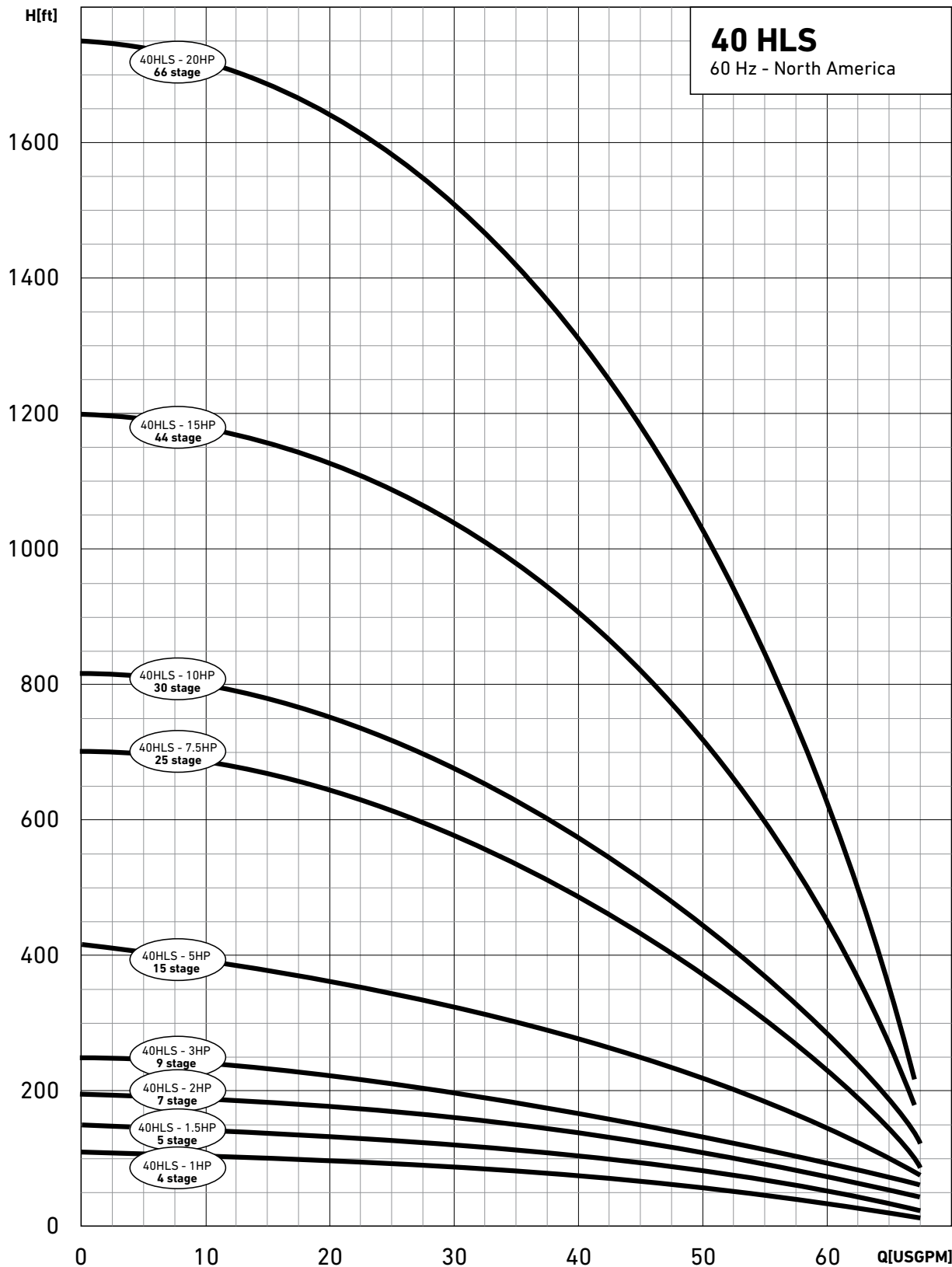


MODEL	HP	PSI	Depth to Water in Feet																																		
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740	780	820	860	900	940	980	1020	1060	
25HL05S	½	0	39.5	37.5	32.5	26.0	15.4																														
		20	30.6	23.4	10.5																																
		30	21.9	7.9																																	
		40																																			
		50																																			
		60																																			
Shut-off PSI			43	35	26	17	9																														
25HL07S	¾	0		38.3	35.9	31.3	26.0																														
		20		29.7	24.0	14.7																															
		30	28.9	22.9	12.8																																
		40	21.6	10.7																																	
		50	8.7																																		
		60																																			
Shut-off PSI			56	47	39	30	21																														
25HL10S	1	0					33.4	29.8	26.0	20.8	13.2																										
		20			32.2	28.7	24.6	18.8	10.3																												
		30		31.8	28.1	23.8	17.6	8.9																													
		40	31.2	27.5	23.0	16.4																															
		50	25.9	22.2	15.2																																
		60	21.3	13.8																																	
Shut-off PSI			82	73	64	56	47	38	30	21	12																										
25HL15S	1½	0						31.8	29.0	26.0	22.1	16.9	10.1																								
		20				33.7	31.0	28.1	24.9	20.7	15.0	7.8																									
		30			33.3	30.6	27.7	24.3	19.9	13.9																											
		40	32.9	30.1	27.2	23.7	19.1	12.9																													
		50	32.5	29.7	26.7	23.1	18.3	11.8																													
		60	29.2	26.2	22.5	17.4	10.6																														
Shut-off PSI			107	99	90	81	73	64	55	47	38	30	21	12																							
25HL20S	2	0							32.3	29.9	27.3	24.5	21.1	17.3	12.5																						
		20					33.7	31.6	29.1	26.5	23.5	20.0	15.9	10.9																							
		30				33.4	31.2	28.7	26.0	23.0	19.5	15.2	10.1																								
		40			33.1	30.8	28.3	25.6	22.5	18.8	14.4	9.2																									
		50		32.8	30.5	27.9	25.1	22.0	18.2	13.7	8.4																										
		60	32.4	30.1	27.5	24.7	21.4	17.6	12.9	7.5																											
Shut-off PSI			132	124	115	106	98	89	80	72	63	54	46	37	29	20																					
25HL30S	3	0										32.9	31.3	29.6	27.9	26.0	21.2	14.4																			
		20									32.4	30.8	29.1	27.3	25.3	23.1	20.3	13.1																			
		30							33.8	32.2	30.5	28.8	27.0	25.0	22.7	19.9	16.5	8.0																			
		40						33.5	31.9	30.2	28.5	26.7	24.7	22.3	19.4	15.9	11.8																				
		50					33.3	31.7	30.0	28.3	26.4	24.3	21.9	18.9	15.3	11.1																					
		60				33.0	31.4	29.7	28.0	26.1	24.0	21.4	18.4	14.7	10.4																						
Shut-off PSI						159	150	142	133	124	116	107	98	90	81	72	64	46	29	12																	
25HL50S	5	0															33.0	31.1	29.1	27.1	24.8	22.0	18.5	14.2	9.3												
		20															32.7	30.8	28.8	26.7	24.4	21.5	17.9	13.5	8.5												
		30															33.5	31.6	29.7	27.6	25.4	22.8	19.5	15.5	10.6												
		40															33.3	32.4	30.5	28.5	26.4	24.0	21.0	17.3	12.8												
		50														33.2	32.3	31.3	29.4	27.3	25.0	22.3	18.9	14.8	9.8												
		60													33.1	32.1	30.2	28.2	26.0	23.5	20.5	16.6	12.0	6.8													
Shut-off PSI																231	223	214	205	188	171	154	136	119	102	84	67	50	32								
25HL75S	7½	0																33.9	32.7	31.4	30.1	28.8	27.4	26.0	24.3	22.5	20.3	17.9	15.0	11.8	8.4						
		20																33.7	32.5	31.2	29.9	28.6	27.2	25.7	24.1	22.2	20.0	17.4	14.5	11.3	7.9						
		30																33.0	31.8	30.5	29.2	27.8	26.4	24.8	23.0	20.9	18.6	15.8	12.7	9.3							
		40																33.5	32.3	31.0	29.7	28.4	27.0	25.5	23.8	21.9	19.6	17.0	14.0	10.8							
		50															32.8	31.6	30.3	29.0	27.6	26.1	24.5	22.7	20.6	18.1	15.3	12.2	8.8								
		60														33.3	32.1	30.8	29.5	28.2	26.8	25.2	23.5	21.5	19.2	16.6	13.6	10.2									
Shut-off PSI																	321	304	287	269	252	235	217	200	183	165	148	131	113	96	79	61	44				

Hi/Lo "S" Series – 40 HLS
STAINLESS STEEL SUBMERSIBLE WELL PUMPS



40 GPM

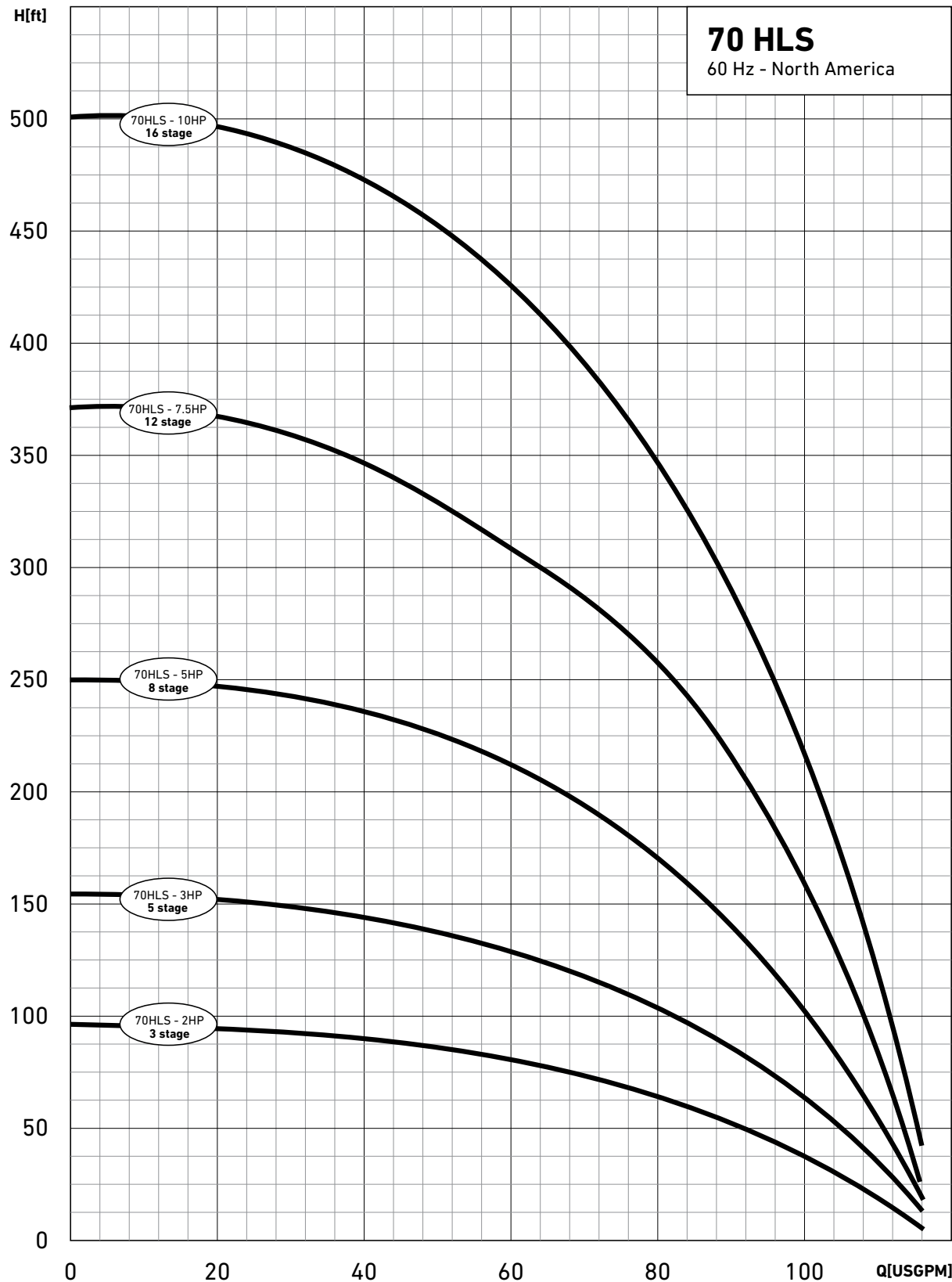


MODEL	HP	PSI	Depth to Water in Feet																											
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740	780	800
40HL10S	1	0		63.5	55.7	43.2																								
		20	53.0	36.5																										
		30	32.7																											
		40																												
		50																												
		60																												
Shut-off PSI			40	32	23	14																								
40HL15S	1½	0			60.1	54.0	43.2	23.4																						
		20	58.2	51.5	38.0																									
		30	50.0	35.0																										
		40	31.9																											
		50																												
		60																												
Shut-off PSI			52	44	35	27	18	9																						
40HL20S	2	0				61.0	56.7	51.7	43.2	29.9																				
		20	64.5	59.6	55.4	49.6	39.6	24.9																						
		30	58.9	54.7	48.3	37.6	22.3																							
		40	53.9	47.0	35.5																									
		50	45.5	33.2																										
		60	30.9																											
Shut-off PSI			77	68	60	51	42	34	25	16																				
40HL30S	3	0				65.6	61.5	58.1	54.8	50.2	43.2	33.2	20.8																	
		20		64.3	60.4	57.1	53.6	48.4	40.4	29.6																				
		30	63.6	59.8	56.6	52.9	47.3	38.9	27.7																					
		40	59.3	56.1	52.2	46.2	37.4	25.7																						
		50	55.6	51.4	45.0	35.7	23.7																							
		60	50.6	43.8	34.0	21.7																								
Shut-off PSI			101	93	84	75	67	58	49	41	32	23	15																	
40HL50SH	5	0							64.4	62.1	60.1	58.3	56.3	54.0	51.0	47.1	42.2	29.4												
		20					63.6	61.5	59.5	57.7	55.7	53.2	49.9	45.7	40.5	34.2	27.1													
		30				63.3	61.2	59.3	57.4	55.3	52.7	49.3	45.0	39.6	33.2	26.9														
		40			62.9	60.9	59.0	57.1	54.9	52.2	48.7	44.2	38.6	32.1	24.7															
		50	64.9	62.6	60.6	58.7	56.8	54.6	51.8	48.1	43.4	37.7	31.0	23.5																
		60	62.3	60.3	58.4	56.5	54.2	51.3	47.4	42.6	36.7	29.9	22.4																	
Shut-off PSI			173	164	156	147	138	130	121	112	104	95	86	78	69	60	52	34												
40HL75S	7½	0											65.3	63.9	62.5	61.3	60.1	57.9	55.5	52.3	48.0	42.2	34.9	26.4						
		20										64.9	63.5	62.2	60.9	59.8	58.7	57.5	55.0	51.7	47.2	41.2	33.7	25.0						
		30									64.7	63.3	62.0	60.7	59.6	58.5	57.4	56.2	53.2	49.3	43.9	37.0	28.8							
		40							64.4	63.1	31.8	60.6	59.4	58.3	57.2	56.0	54.6	51.1	46.4	40.1	32.4	23.6								
		50					65.6	64.2	62.8	61.6	61.8	59.3	58.2	57.0	55.8	54.3	52.7	48.5	42.9	35.8	27.4									
		60				65.4	64.0	62.6	61.4	60.2	59.1	58.0	56.8	55.6	54.1	52.4	50.5	45.5	39.0	31.1	22.1									
Shut-off PSI						288	259	251	242	233	225	216	207	199	190	181	173	155	138	121	103	86	69	51						
40HL100S	10	0																	53.0	50.0	45.0	43.0	36.0	32.0	27.0					
		20																	50.0	48.0	41.0	35.0	30.0	24.0	20.0					
		30																	50.0	48.0	46.0	38.0	32.0	27.0	21.0	16.0				
		40																	48.0	46.0	42.0	36.0	32.0	26.0	21.0	12.0				
		50																47.0	45.0	43.0	39.0	33.0	27.0	20.0	16.0	8.0				
		60																52.0	48.0	44.0	41.0	38.0	32.0							
Shut-off PSI																		222	210	182	170	155	130	112	98	78	66			

Hi/Lo "S" Series – 70 HLS
STAINLESS STEEL SUBMERSIBLE WELL PUMPS



70 GPM



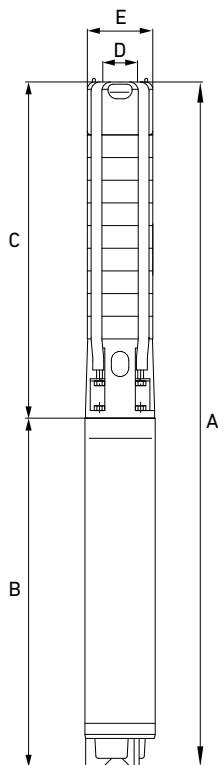
MODEL	HP	PSI	Depth to Water in Feet																	
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420
70HL20S	2	0		89.1	68.9	38.8														
		20	60.8																	
		30																		
		40																		
		50																		
		60																		
Shut-off PSI			31	23	14	5														
70HL30S	3	0			91.1	78.8	68.9	51.0												
		20	89.4	75.5	64.4	44.9														
		30	74.1	61.8	41.1															
		40	58.8	39.6																
		50	37.1																	
		60																		
Shut-off PSI			58	49	40	32	23	14												
70HL50S	5	0					88.9	84.8	78.5	69.4	59.4	49.7								
		20			87.8	83.2	75.9	66.3	65.4	46.3										
		30	91.0	87.2	82.3	74.6	64.7	54.9	44.4											
		40	86.5	81.3	73.1	63.2	53.4	52.2												
		50	80.2	71.6	61.6	51.9	39.8													
		60	70.1	60.1	50.4															
Shut-off PSI			94	86	77	68	60	51	42	34	25	16								
70HL75S	7½	0							90.2	87.7	84.8	81.0	75.7	69.4	62.7	56.1	49.7			
		20					89.4	86.9	83.8	79.5	73.9	67.4	60.6	54.2	47.5					
		30				89.0	86.4	83.2	78.7	72.9	66.3	59.6	53.2	46.3						
		40			88.6	86.0	82.6	77.9	71.9	65.3	58.6	52.2	45.0	33.0	11.3					
		50		88.2	85.5	81.9	77.0	70.9	64.2	57.6	51.2	43.7								
		60	87.8	85.1	82.3	76.1	69.9	63.2	56.6	50.2	42.2									
Shut-off PSI			146	137	128	120	111	102	94	85	76	68	59	50	42	33	24			
70HL100S	10	0								88.5	86.4	85.2	84.3	83.2	81.3	78.4	74.5	64.5	54.2	43.8
		20					90.7	87.7	85.9	84.0	82.7	80.5	77.3	73.1	68.2	62.9	52.7	41.7		
		30				90.7	87.4	85.7	84.7	83.8	82.4	80.1	76.7	72.4	67.4	62.1	56.9	47.0		
		40			89.6	87.1	85.6	84.6	83.6	82.1	79.7	76.1	71.6	66.5	61.2	56.1	51.2			
		50		89.2	86.8	85.4	83.5	81.8	79.2	75.5	70.9	65.7	60.4	55.4	50.5	45.2				
		60	88.7	86.5	85.2	84.3	83.3	81.5	78.7	74.8	70.0	64.9	59.6	54.6	49.7	44.3				
Shut-off PSI			197	188	180	171	162	154	145	136	128	119	110	102	93	84	76	59	41	24

Hi/Lo "S" Series Continued

STAINLESS STEEL SUBMERSIBLE WELL PUMPS

SIMFLO®

WEIGHTS & DIMENSIONS



5 GPM												
Motor Type	Model	PH	VOLT	HP	Dimensions (In)					Weights (Lbs)		
					A	B	C	D	E	Complete Unit	Pump End	Motor
2 Wire	5HL05S			½	28.3	11.0	17.3	1 ¼	3.9	28	8	20
	5HL05S			½	28.3	11.0	17.3			28	8	20
	5HL07S			¾	33.9	12.4	21.5			33	10	23
	5HL10S			1	38.1	13.3	24.8			37	12	25
	5HL15SL			1½	43	14.9	28.1			43	13	30
	5HL15SH			1½	48	14.9	33.1			50	20	30
3 Wire	5HL05S			½	27.3	10.0	17.3	1 ¼	3.9	27	8	19
	5HL05S			½	27	9.7	17.3			27	8	19
	5HL07S			¾	32.3	10.8	21.5			32	10	22
	5HL10S			1	36.5	11.7	24.8			37	12	25
	5HL15SL			1½	41.7	13.6	28.1			40	13	27
	5HL15SL			1½	39.8	11.7	28.1			46	13	23
	5HL15SL			1½	39.8	11.7	28.1			46	13	23
	5HL15SH			1½	46.7	13.6	33.1			47	20	27
	5HL15SH			1½	44.8	11.7	33.1			43	20	23
	5HL15SH			1½	44.8	11.7	33.1			43	20	23

7 GPM												
Motor Type				HP	Dimensions (in)					Weights (lbs)		
	Model	PH	VOLT		A	B	C	D	E	Complete Unit	Pump End	Motor
2 Wire	7HL05S			½	24.7	9.5	15.2	1¼ NPT	3.9	30	10	20
	7HL05S			½	24.7	9.5	15.2			30	10	20
	7HL07S			¾	29.2	10.7	18.5			33	11	23
	7HL10S			1	33.6	11.8	21.8			37	12	25
	7HL15S			1½	41.2	13.6	27.6			46	16	30
3 Wire	7HL05S			½	24.7	9.5	15.2	1¼ NPT	3.9	30	10	19
	7HL05S			½	24.7	9.5	15.2			30	10	19
	7HL07S			¾	29.2	10.7	18.5			33	11	22
	7HL10S			1	33.6	11.8	21.8			36	12	25
	7HL15S			1½	41.2	13.6	27.6			43	16	27
	7HL15S			1½	41.2	13.6	27.6			39	16	23
	7HL15S			1½	41.2	13.6	27.6			39	16	23
	7HL20S			2	48.5	14.0	34.5			55	28	31
	7HL20S			2	48.5	14.0	34.5			55	28	27
	7HL20S			2	48.5	14.0	34.5			55	28	27

10 GPM												
Motor Type				HP	Dimensions (in)					Weights (lbs)		
	Model	PH	VOLT		A	B	C	D	E	Complete Unit	Pump End	Motor
2 Wire	10HL05S			½	25	11.0	14.0	1¼ NPT	3.9	27	7	20
	10HL05S			½	25	11.0	14.0			27	7	20
	10HL07S			¾	28.9	12.4	16.5			31	8	23
	10HL10S			1	32.3	13.3	19.0			34	9	25
	10HL15S			1½	38.8	14.9	23.9			42	12	30
3 Wire	10HL05S			½	24	10.0	14.0	1¼ NPT	3.9	26	7	19
	10HL05S			½	23.7	9.7	14.0			26	7	19
	10HL07S			¾	27.3	10.8	16.5			30	8	22
	10HL10S			1	30.7	11.7	19.0			34	9	25
	10HL15S			1½	37.5	13.6	23.9			39	12	27
	10HL15S			1½	35.6	11.7	23.9			35	12	23
	10HL15S			1½	35.6	11.7	23.9			35	12	23
	10HL20S			2	44	15.1	28.9			45	14	31
	10HL20S			2	42.7	13.8	28.9			41	14	27
	10HL20S			2	42.7	13.8	28.9			41	14	27
	10HL30S			3	53.9	18.3	35.6			62	22	40
	10HL30S			3	50.9	15.3	35.6			54	22	32
	10HL30S			3	50.9	15.3	35.6			54	22	32
	10HL50SL			5	71.3	23.6	47.7		4.6	108	38	70
	10HL50SL			5	71.3	23.6	47.7			93	38	55
	10HL50SL			5	71.3	23.6	47.7			93	38	55
	10HL50SH			5	88.2	23.6	64.5			112	42	70
	10HL50SH			5	88.2	23.6	64.5			97	42	55
	10HL50SH			5	88.2	23.6	64.5			97	42	55
	10HL50SH			5	88.2	23.6	64.5			97	42	55

Hi/Lo "S" Series Continued

STAINLESS STEEL SUBMERSIBLE WELL PUMPS



WEIGHTS & DIMENSIONS

18 GPM												
Motor Type	Model	PH	VOLT	HP	Dimensions (in)					Weights (lbs)		
					A	B	C	D	E	Complete Unit	Pump End	Motor
2 Wire	18HL05S			½	21.7	11.0	10.7	1¼ NPT	3.9	25	5	20
	18HL05S			½	21.7	11.0	10.7			25	5	20
	18HL07S			¾	24.8	12.4	12.4			29	6	23
	18HL10S			1	27.3	13.3	14.0			32	7	25
	18HL15S			1½	32.2	14.9	17.3			39	9	30
3 Wire	18HL05S			½	20.7	10.0	10.7	1¼ NPT	3.9	24	5	19
	18HL05S			½	20.4	9.7	10.7			24	5	19
	18HL07S			¾	23.2	10.8	12.4			28	6	22
	18HL10S			1	25.7	11.7	14.0			32	7	25
	18HL15S			1½	30.9	13.6	17.3			36	9	27
	18HL15S			1½	29	11.7	17.3			32	9	23
	18HL15S			1½	29	11.7	17.3			32	9	23
	18HL20S			2	35.7	15.1	20.6			41	10	31
	18HL20S			2	34.4	13.8	20.6			37	10	27
	18HL20S			2	34.4	13.8	20.6			37	10	27
	18HL30S			3	43.9	18.3	25.6			53	13	40
	18HL30S			3	40.9	15.3	25.6			45	13	32
	18HL30S			3	40.9	15.3	25.6			45	13	32
	18HL50S			5	64.9	27.7	37.2			93	23	70
	18HL50S			5	58.9	21.7	37.2			78	23	55
	18HL50S			5	58.9	21.7	37.2			78	23	55
	18HL75S			7½	93	24.2	68.8		4.6		45	70
	18HL75S			7½	93	24.2	68.8				45	95
	18HL100S			10	109.9	25.4	84.5				60	95

25 GPM												
Motor Type				HP	Dimensions (in)					Weights (lbs)		
	Model	PH	VOLT		A	B	C	D	E	Complete Unit	Pump End	Motor
2 Wire	25HL05S			½	20.9	11.0	9.9	1½ NPT	3.9	25	5	20
	25HL05S			½	20.9	11.0	9.9			25	5	20
	25HL07S			¾	23.1	12.4	10.7			29	5	23
	25HL10S			1	25.7	13.3	12.4			32	6	25
	25HL15S			1½	28.9	14.9	14.0			39	7	30
3 Wire	25HL05S			½	19.9	10.0	9.9	1½ NPT	3.9	24	5	19
	25HL05S			½	19.6	9.7	9.9			24	5	19
	25HL07S			¾	21.5	10.8	10.7			28	5	22
	25HL10S			1	24.1	11.7	12.4			32	6	25
	25HL15S			1½	27.6	13.6	14.0			36	7	27
	25HL15S			1½	25.7	11.7	14.0			32	7	23
	25HL15S			1½	25.7	11.7	14.0			32	7	23
	25HL20S			2	30.7	15.1	15.6			41	8	31
	25HL20S			2	29.4	13.8	15.6			37	8	27
	25HL20S			2	29.4	13.8	15.6			37	8	27
	25HL30S			3	37.3	18.3	19.0			53	9	40
	25HL30S			3	34.3	15.3	19.0			45	9	32
	25HL30S			3	34.3	15.3	19.0			45	9	32
	25HL50S			5	56	27.7	28.3			84	14	70
	25HL50S			5	50	21.7	28.3			69	14	55
	25HL50S			5	50	21.7	28.3			69	14	55
	25HL75S			7½	66.8	27.7	39.1		4.6	95	25	70
	25HL75S			7½	66.8	27.7	39.1			95	25	70
	25HL100S			10	90.9	25.4	65.5		5.4	142	47	95

Hi/Lo "S" Series Continued

STAINLESS STEEL SUBMERSIBLE WELL PUMPS



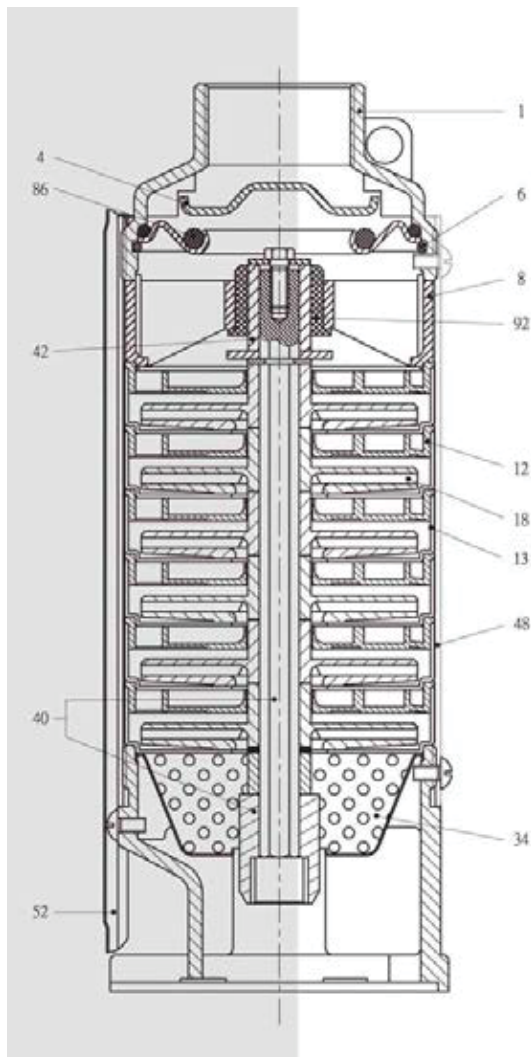
WEIGHTS & DIMENSIONS

40 GPM												
Motor Type	ModelPHVOLT			HP	Dimensions (in)					Weights (lbs)		
					A	B	C	D	E	Complete Unit	Pump End	Motor
2 Wire	40HL10S			1	27.9	13.3	14.6	2 NPT	3.9	33	8	25
	40HL15S			1½	31.1	14.9	16.2			39	9	30
3 Wire	40HL10S			1	26.3	11.7	14.6	2 NPT	3.9	33	8	25
	40HL15S			1½	29.8	13.6	16.2			36	9	27
	40HL15S			1½	27.9	11.7	16.2			32	9	23
	40HL15S			1½	27.9	11.7	16.2			32	9	23
	40HL20S			2	34.6	15.1	19.5			43	12	31
	40HL20S			2	33.3	13.8	19.5			39	12	27
	40HL20S			2	33.3	13.8	19.5			39	12	27
	40HL30S			3	41.1	18.3	22.8			54	14	40
	40HL30S			3	38.1	15.3	22.8			46	14	32
	40HL30S			3	38.1	15.3	22.8			46	14	32
	40HL50SH			5	60.5	27.7	32.8			91	21	70
	40HL50SH			5	54.5	21.7	32.8			76	21	55
	40HL50SH			5	54.5	21.7	32.8			76	21	55
	40HL75S			7½	77.0	27.7	49.3			102	32	70
	40HL75S			7½	77.0	27.7	49.3			102	32	70
	40HL100S			10	95.8	38.3	57.5			132	37	95
	40HL150S			15	111	28	83		5.4	191	57	134
	40HL200S			20	162.4	30.6	131.8			232	73	159

70 GPM												
Motor Type	ModelPHVOLT			HP	Dimensions (In)					Weights (Lbs)		
					A	B	C	D	E	Complete Unit	Pump End	Motor
3 Wire	70HL20S			2	29.9	15.1	14.8	2	3.9	39	8	31
	70HL20S			2	28.6	13.8	14.8			35	8	27
	70HL20S			2	28.6	13.8	14.8			35	8	27
	70HL30S			3	38.2	18.3	19.9			52	12	40
	70HL30S			3	35.2	15.3	19.9			44	12	32
	70HL30S			3	35.2	15.3	19.9			44	12	32
	70HL50S			5	55.3	27.7	27.6			86	16	70
	70HL50S			5	49.3	21.7	27.6			71	16	55
	70HL50S			5	49.3	21.7	27.6			71	16	55
	70HL75S			7½	65.5	27.7	37.8			91	21	70
	70HL75S			7½	65.5	27.7	37.8			91	21	70
	70HL100S			10	86.3	38.3	48.0			186	27	159

General Material Data

HI/LO "N" SERIES



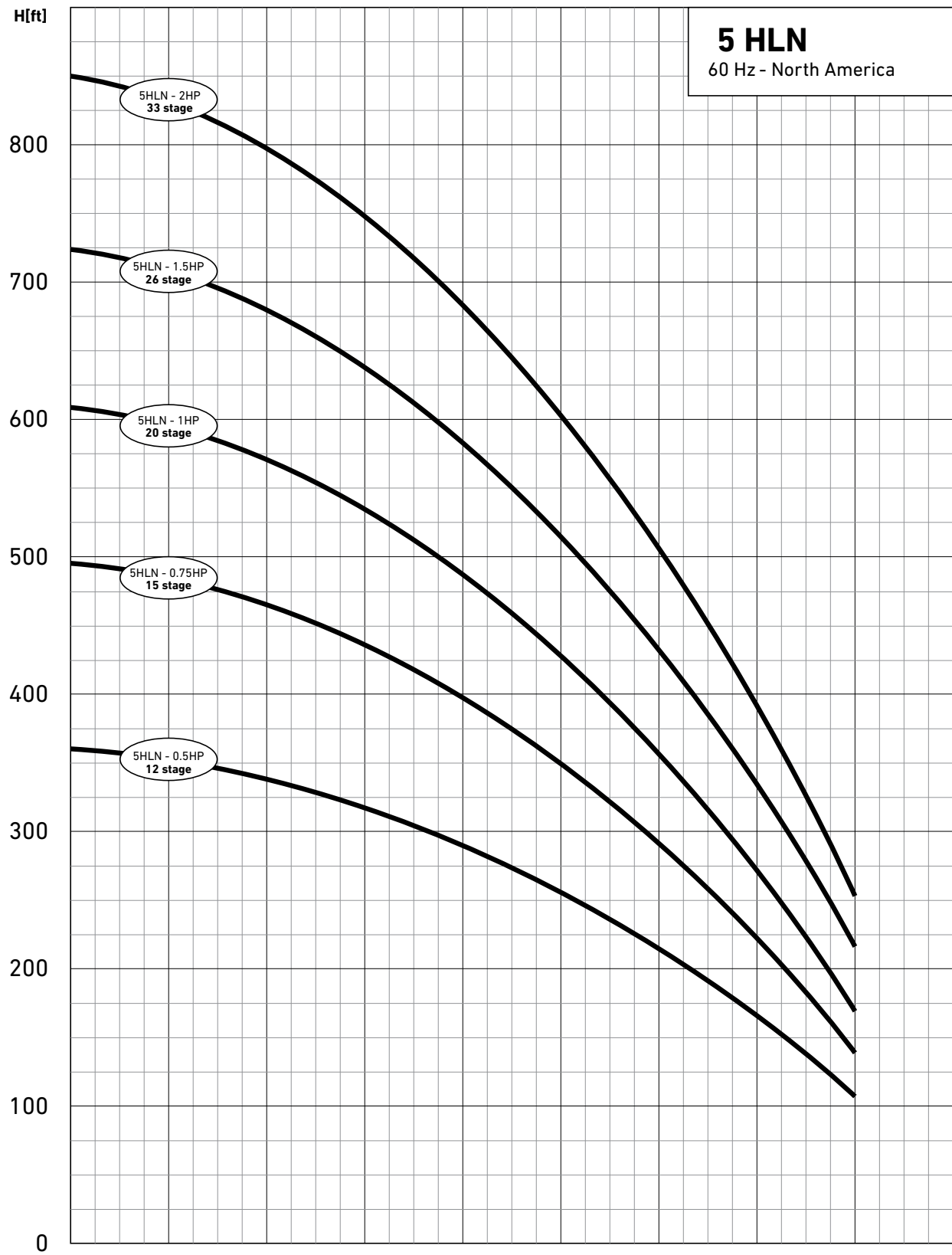
Pos.	Components	Material	Standard
01	Discharge Head	Stainless Steel	304
04	Check Valve Cone	Stainless Steel	304
06	Check Valve retaining Ring	Stainless Steel	304
08	Bearing Spider	Glass Filled Poly carbonate	
12	Diffuser	Glass Filled Poly carbonate	
13	Bowl	Stainless Steel	304
18	Impeller	Noryl	
34	Strainer	Stainless Steel	304
40	Pump Shaft / Coupling	Stainless Steel	304
42	Shaft Sleeve	Stainless Steel or Noryl	304
48	Pump Casing	Stainless Steel	304
52	Cable Guard	Stainless Steel	304
86	O-Ring	NBR	
92	Bearing	Polyacetal	

Hi/Lo “N” Series – 5 HLN



SUBMERSIBLE WELL PUMPS WITH NORYL IMPELLER

5 GPM

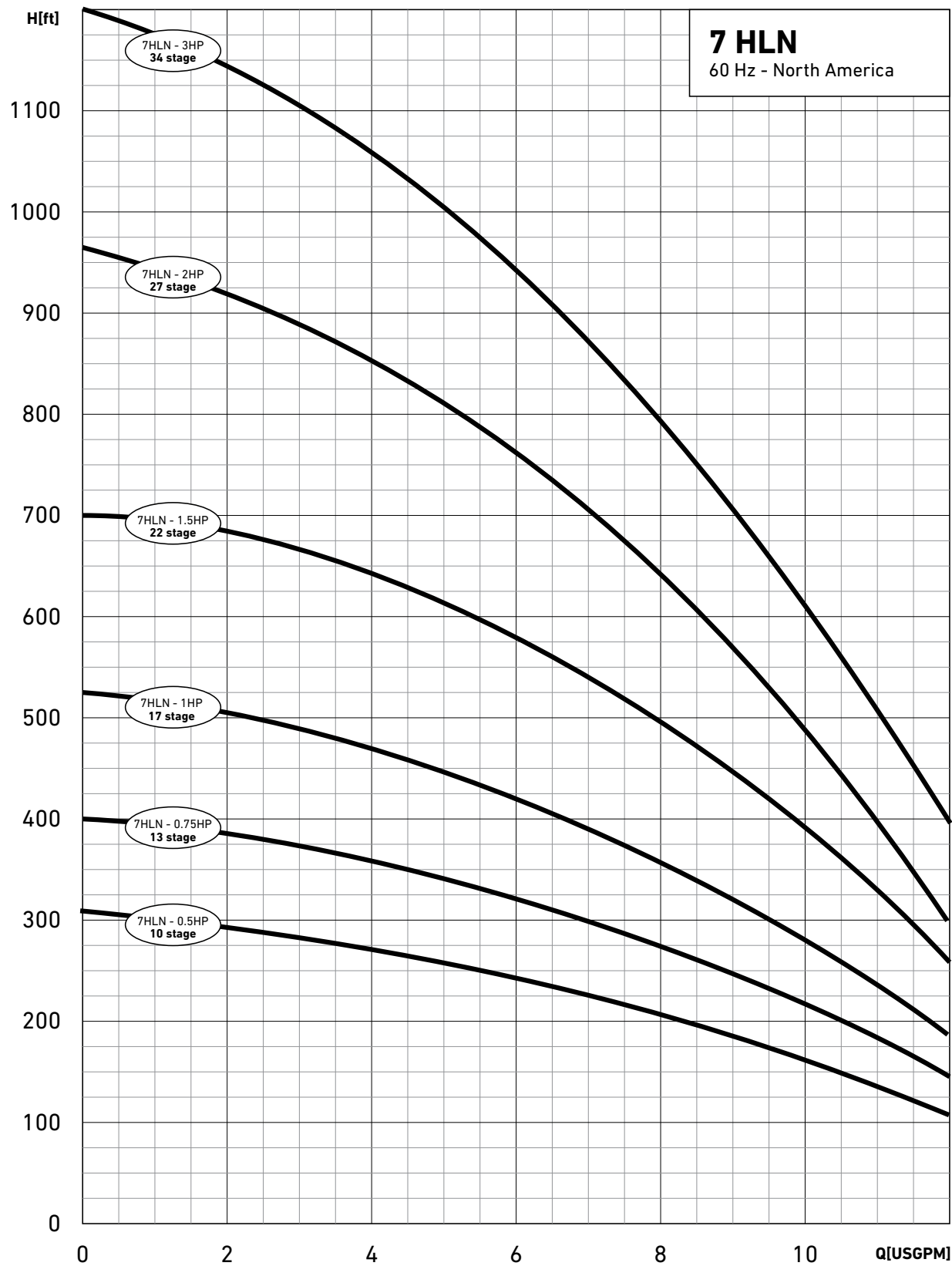


MODEL	HP	PSI	Depth to Water in Feet																																		
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740	780	820	860	900	940	980	1020		
5HL05N	½	0							7.7	7.3	6.9	6.4	6.0	5.6	5.1	4.7	4.1	2.6																			
		20					7.5	7.1	6.7	6.3	5.9	5.4	5.0	4.5	3.9	3.2	2.3																				
		30					7.5	7.1	6.7	6.2	5.8	5.4	4.9	4.4	3.8	3.1	2.1																				
		40				7.4	7.0	6.6	6.2	5.7	5.3	4.9	4.3	3.7	2.9	1.9																					
		50	7.7	7.4	6.9	6.5	6.1	5.7	5.2	4.8	4.2	3.6	2.8	1.8																							
		60	7.3	6.9	6.5	6.0	5.6	5.2	4.7	4.2	3.5	2.6	1.6																								
Shut-off PSI			156	147	138	130	121	112	104	95	86	78	69	60	52	43	34	17																			
5HL07N	¾	0												7.6	7.3	7.0	6.6	6.3	5.9	5.2	4.4	3.3	1.6														
		20									7.5	7.2	6.9	6.5	6.2	5.8	5.5	5.1	4.2	3.1	1.3																
		30									7.5	7.2	6.8	6.5	6.1	5.8	5.4	5.0	4.6	3.6	2.1																
		40							7.4	7.1	6.8	6.4	6.1	5.7	5.4	5.0	4.6	4.1	2.8																		
		50						7.4	7.1	6.7	6.4	6.0	5.7	5.3	4.9	4.5	4.0	3.4	1.8																		
		60				7.6	7.3	7.0	6.7	6.3	6.0	5.6	5.3	4.9	4.4	3.9	3.3	2.6																			
Shut-off PSI					184	175	167	158	149	141	132	123	115	106	97	89	80	63	45	28	11																
5HL10N	1	0															7.5	7.0	6.5	5.9	5.3	4.6	3.8	2.8	1.6												
		20													7.6	7.4	7.2	7.0	6.4	5.9	5.2	4.5	3.7	2.6													
		30												7.6	7.4	7.2	6.9	6.7	6.1	5.5	4.8	4.0	3.1	1.9													
		40												7.6	7.4	7.1	6.9	6.6	6.3	5.8	5.1	4.4	3.5	2.5													
		50											7.5	7.3	7.1	6.8	6.6	6.3	6.0	5.4	4.7	3.9	2.9	1.7													
		60											7.5	7.3	7.1	6.8	6.5	6.3	6.0	5.7	5.0	4.3	3.4	2.3													
Shut-off PSI											214	206	197	188	180	171	162	154	136	119	102	84	67	50	32	15											
5HL15N	1½	0															7.5	7.2	6.8	6.3	5.9	5.5	5.1	4.6	4.1	3.5	2.8	1.8									
		20														7.6	7.5	7.1	6.7	6.3	5.8	5.4	5.0	4.5	4.0	3.4	2.6	1.6									
		30														7.6	7.5	7.3	6.9	6.5	6.0	5.6	5.2	4.7	4.2	3.7	3.0	2.1									
		40													7.6	7.4	7.3	7.1	6.6	6.2	5.8	5.3	4.9	4.5	3.9	3.3	2.5	1.4									
		50												7.6	7.4	7.2	7.0	6.8	6.4	6.0	5.5	5.1	4.7	4.2	3.6	2.9	1.9										
		60											7.6	7.4	7.2	7.0	6.8	6.6	6.1	5.7	5.3	4.8	4.4	3.8	3.2	2.4											
Shut-off PSI												274	265	257	248	239	231	213	196	179	162	144	127	110	92	75	58	40	23								
5HL20N	2	0																			7.4	7.1	6.8	6.4	6.1	5.7	5.4	5.0	4.7	4.3	3.9	3.3	2.7				
		20																			7.4	7.1	6.7	6.4	6.0	5.7	5.3	5.0	4.6	4.2	3.8	3.3	2.6	1.9			
		30																			7.5	7.2	6.9	6.5	6.2	5.8	5.5	5.1	4.8	4.4	4.0	3.5	2.9	2.2			
		40																			7.3	7.0	6.7	6.3	6.0	5.6	5.3	4.9	4.6	4.2	3.7	3.2	2.5	1.7			
		50																			7.5	7.2	6.8	6.5	6.1	5.8	5.4	5.1	4.7	4.3	3.9	3.4	2.8	2.1			
		60																			7.6	7.3	7.0	6.6	6.3	5.9	5.6	5.2	4.9	4.5	4.1	3.6	3.1	2.4	1.6		
Shut-off PSI																				328	311	293	276	259	242	224	207	190	172	155	138	120	103	86	68	51	

Hi/Lo “N” Series – 7 HLN
SUBMERSIBLE WELL PUMPS WITH NORYL IMPELLER



7 GPM



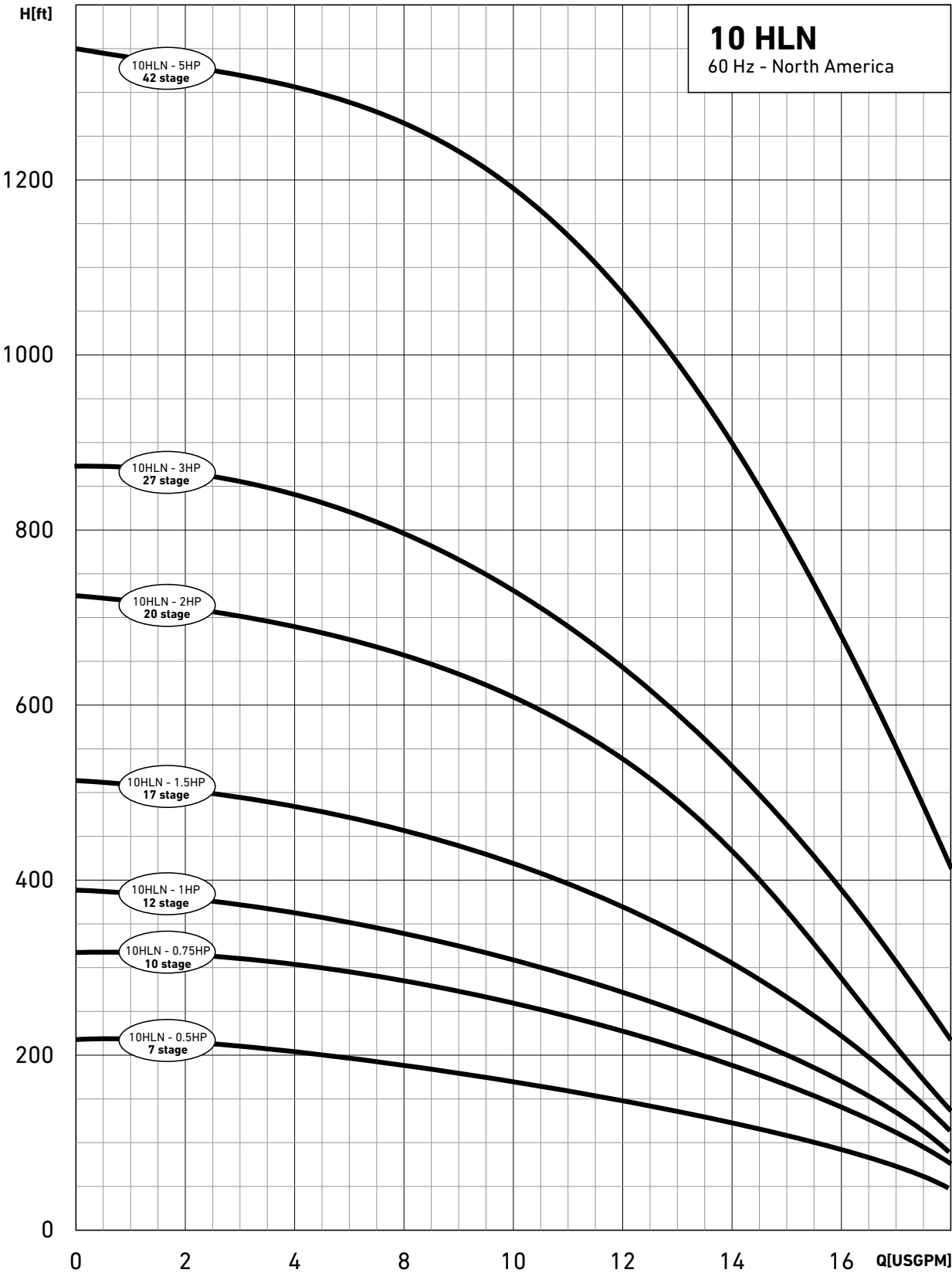
MODEL	HP	PSI	Depth to Water in Feet																											
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	540	580	620
7HL05N	½	0								10.1	9.2	8.3	7.4	6.3	5.0	3.4														
		20						9.8	9.0	8.1	7.1	6.0	4.6	2.7																
		30					9.7	8.8	7.9	6.9	5.8	4.3	2.4																	
		40			10.4	9.6	8.7	7.8	6.7	5.6	4.1	2.0																		
		50		10.3	9.4	8.5	7.6	6.6	5.4	3.8	1.7																			
		60	10.2	9.3	8.4	7.5	6.4	5.1	3.5																					
Shut-off PSI			125	116	107	99	90	81	73	64	55	47	38	29	21	12														
7HL07N	¾	0											10.0	9.3	8.6	7.9	7.1	6.2	5.2	4.0	2.4									
		20								10.4	9.8	9.1	8.4	7.7	6.9	6.0	4.9	3.5	1.8											
		30							10.3	9.7	9.0	8.3	7.5	6.7	5.8	4.7	3.3	1.5												
		40						10.2	9.5	8.9	8.2	7.4	6.6	5.6	4.5	3.1														
		50					10.1	9.4	8.8	8.1	7.3	6.5	5.5	4.3	2.8															
		60				10.0	9.3	8.7	7.9	7.2	6.3	5.3	4.1	2.5																
Shut-off PSI						140	131	122	114	105	96	88	79	70	62	53	44	36	27	18	10									
7HL10N	1	0													10.1	9.6	9.0	8.5	7.9	7.3	6.7	6.0	5.3	4.4	3.4	2.1				
		20											10.4	9.9	9.4	8.9	8.3	7.7	7.1	6.5	5.8	5.0	4.1	3.0	1.6					
		30										10.3	9.9	9.3	8.8	8.2	7.6	7.0	6.4	5.7	4.9	4.0	2.8							
		40									10.3	9.8	9.2	8.7	8.1	7.5	6.9	6.3	5.6	4.8	3.8	2.6								
		50								10.2	9.7	9.2	8.6	8.0	7.4	6.8	6.2	5.4	4.6	3.7	2.4									
		60							10.1	9.6	9.1	8.5	7.9	7.3	6.7	6.0	5.3	4.5	3.5	2.2										
Shut-off PSI								166	158	149	140	132	123	114	106	97	88	80	71	62	54	45	36	28	19	10				

MODEL	HP	PSI	Depth to Water in Feet																											
			200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740	780	820	860	900	940	980	1020	1060	1100	1140	
7HL15N	1½	0								10.2	9.3	8.5	7.6	6.8	5.9	4.7	2.6													
		20							10.1	9.2	8.3	7.5	6.7	5.8	4.5	2.1														
		30						10.4	9.6	8.7	7.8	7.0	6.2	5.1	3.3															
		40				10.3	9.9	9.1	8.2	7.4	6.6	5.6	4.2	1.6																
		50			10.3	9.9	9.4	8.6	7.7	6.9	6.0	4.9	2.9																	
		60			10.2	9.8	9.4	8.9	8.1	7.2	6.4	5.4	3.9																	
Shut-off PSI					194	186	177	168	151	134	116	99	82	64	47	30	12													
7HL20N	2	0											9.8	9.3	8.7	8.4	7.8	7.1	6.3	5.4	4.5	3.5	2.2							
		20										9.8	9.3	8.7	8.4	7.7	6.9	6.2	5.3	4.3	3.2	2.8								
		30								9.9	9.5	9.0	8.5	7.9	7.2	6.4	5.7	4.4	3.7											
		40							10.0	9.7	9.2	8.7	8.3	7.5	6.7	6.0	5.2	4.1	3.0											
		50							9.9	9.4	8.9	8.5	7.8	7.2	6.3	5.5	4.7	3.5												
		60							10.0	9.6	9.1	8.7	8.2	7.4	6.6	5.8	5.0	4.0												
Shut-off PSI								268	251	234	216	199	182	165	147	130	113	95	80	61	43	26								
7HL30N	3	0													9.8	9.5	9.2	8.7	8.3	7.9	7.4	6.8	6.2	5.4	4.7	3.9	3.0	2.0		
		20												9.8	9.4	9.2	8.7	8.3	7.8	7.2	6.7	6.2	5.3	4.5	3.7	3.3	1.7			
		30											10.0	9.6	9.2	8.8	8.5	8.0	7.5	6.9	6.3	5.7	4.8	4.1	3.2	2.3				
		40										10.0	9.7	9.4	9.0	8.6	8.2	7.7	7.2	6.6	5.9	5.2	4.4	3.6	2.7	1.7				
		50										9.9	9.5	9.2	8.7	8.4	7.9	7.4	6.8	6.3	5.5	4.8	3.9	3.1	2.2					
		60										10.0	9.7	9.3	9.0	8.6	8.1	7.6	7.0	6.5	5.8	5.1	4.2	3.4	2.5	1.5				
Shut-off PSI												320	303	286	268	251	234	216	199	182	165	147	130	113	95	78	61	43	27	

Hi/Lo “N” Series – 10 HLN
SUBMERSIBLE WELL PUMPS WITH NORYL IMPELLER



10 GPM

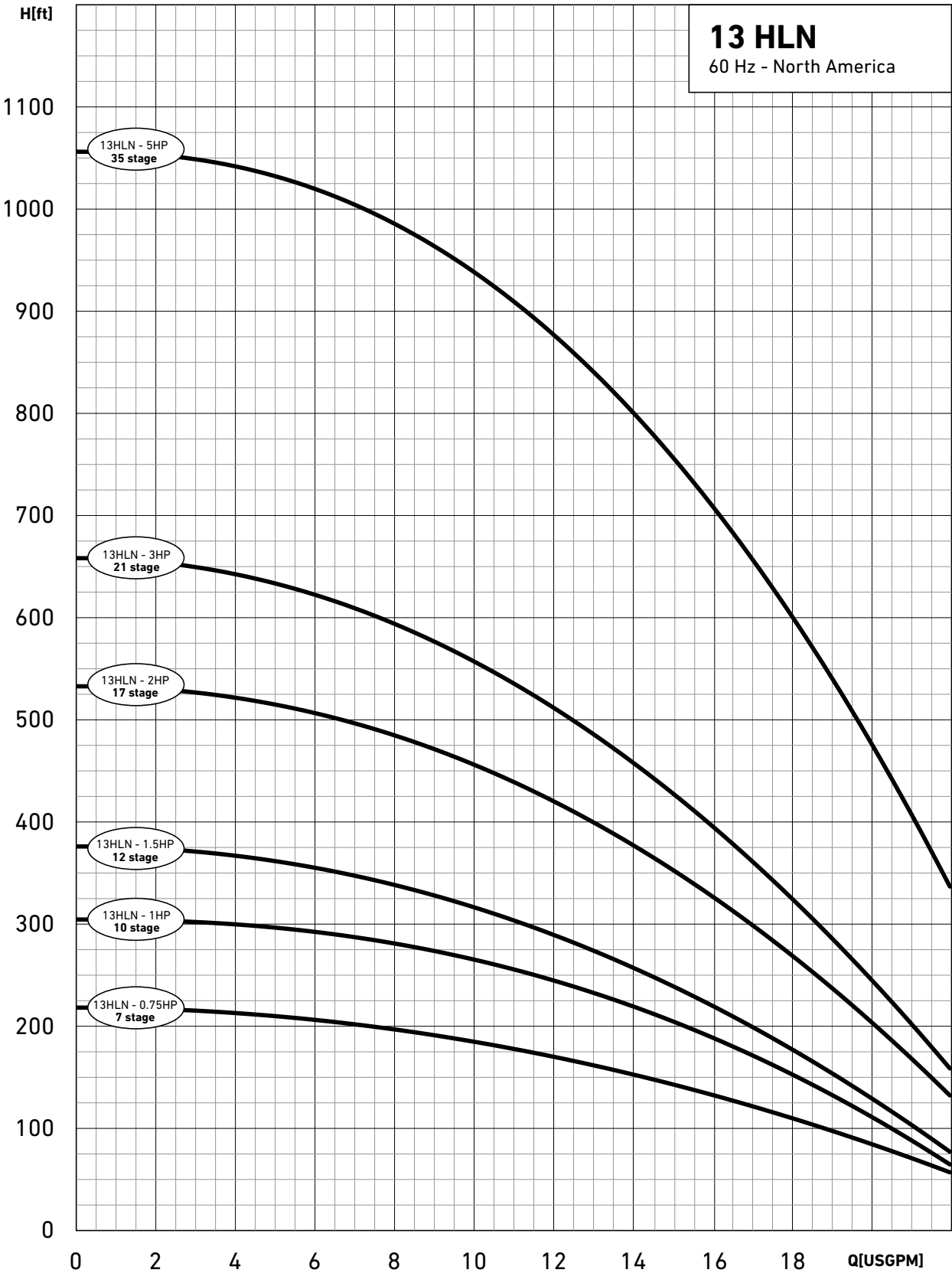


MODEL	HP	PSI	Depth to Water in Feet																											
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740	780	820
10HL05N	½	0				16.0	15.3	14.3	12.8	11.3	9.0	6.4																		
		20		15.9	14.9	13.8	12.5	10.8	8.3	4.8																				
		30	15.7	14.6	13.5	12.3	10.5	7.8	4.0																					
		40	14.5	13.4	12.0	10.3	7.5	3.0																						
		50	13.0	11.5	9.8	7.2																								
		60	11.3	9.0	6.4																									
Shut-off PSI			89	81	72	63	55	46	37	29	20	11																		
10HL07N	¾	0						16.0	15.2	14.3	13.4	12.5	11.5	10.3	9.0	7.0	4.0													
		20				15.8	15.0	14.0	13.0	12.3	11.2	10.2	8.5	6.0																
		30			15.7	14.8	13.9	12.8	12.0	11.0	9.8	8.2	5.5																	
		40		15.6	14.7	13.8	12.7	11.9	10.8	9.7	8.1	5.2																		
		50	15.3	14.4	13.5	12.6	11.6	10.5	9.4	7.5	4.8																			
		60	14.3	13.4	12.5	11.5	10.3	9.0	7.0	4.0																				
Shut-off PSI			130	121	113	104	95	87	78	69	61	52	43	35	26	17	9													
10HL10N	1	0								15.8	15.2	14.5	13.7	12.8	12.0	11.0	10.0	6.7												
		20						15.7	14.9	14.3	13.5	12.7	11.7	10.6	9.6	8.1	6.5													
		30				16.0	15.6	14.8	14.2	13.3	12.5	11.6	10.4	9.4	7.8	5.5	3.0													
		40			16.0	15.5	14.7	14.1	13.2	12.4	11.5	10.3	9.1	7.4	5.0	3.0														
		50			15.3	14.6	13.9	13.0	12.3	11.3	10.1	8.9	7.0	4.3																
		60	15.8	15.2	14.5	13.7	12.8	12.0	11.0	10.0	8.6	6.7	4.0																	
Shut-off PSI			158	150	141	132	124	115	106	98	89	81	72	63	55	46	37	20												
10HL15N	1½	0												15.7	15.3	14.8	14.4	13.3	12.2	10.9	9.3	7.1	3.0							
		20									16.0	15.6	15.2	14.7	14.3	13.7	13.2	11.9	10.6	9.0	6.5									
		30								15.9	15.5	15.2	14.6	14.2	13.5	13.1	12.6	11.3	9.7	7.6	4.0									
		40							15.8	15.5	15.1	14.6	14.2	13.5	13.0	12.5	11.8	10.3	8.8	6.0										
		50						15.7	15.4	14.9	14.5	14.0	13.4	12.8	12.3	11.7	11.0	9.4	7.4	3.4										
		60					15.7	15.3	14.8	14.4	13.9	13.3	12.8	12.2	11.6	10.9	10.1	8.1	5.6											
Shut-off PSI							197	188	180	171	162	154	144	136	128	119	110	93	76	58	41	24	6							
10HL20N	2	0													16.0	15.7	14.9	14.2	13.4	12.4	11.4									
		20												15.9	15.5	15.3	14.8	14.1	13.2	12.2	11.0	9.9								
		30										15.8	15.4	15.1	14.7	10.1	13.5	12.7	11.7	10.3	8.8									
		40									15.8	15.4	15.1	14.7	14.4	14.0	12.9	12.2	10.9	9.5	7.8									
		50								16.1	15.7	15.3	15.0	14.6	14.2	14.0	13.4	12.5	11.5	10.1	8.5	6.0								
		60							16.0	15.7	15.3	14.9	14.5	14.2	13.8	13.4	12.8	11.8	10.7	9.1	7.2	3.4								
Shut-off PSI								225	216	208	199	190	182	173	164	156	139	121	104	87	69									
10HL30N	3	0																15.8	15.2	14.6	14.0									
		20																15.7	15.1	14.5	13.9	13.2								
		30																15.9	15.4	14.8	14.2	13.4	12.8							
		40														15.9	15.6	15.0	14.4	13.8	13.1	12.4								
		50												16.0	15.8	15.6	15.3	14.7	14.1	13.3	12.7	11.9								
		60										16.0	15.8	15.5	15.2	14.8	14.3	13.7	12.9	12.3	11.4									
Shut-off PSI												284	275	267	258	249	232	215	197	180	163									
						440	480	520	560	600	640	680	720	760	800	840	880	920	960	1000	1040	1080	1120	1160	1200					
10HL50N	5	0						16	15.5	15.2	14.9	14.5	14	13.5	13	12.5	12	11.5	10.8	10.2	9.5	8.5								
		20					15.9	15.4	15.1	14.8	14.5	13.9	13.4	12.9	12.4	11.9	11.3	10.7	10.1	9.4	8.2	6.8								
		30					15.6	15.2	14.9	14.6	14.2	13.7	13.1	12.6	12.1	11.6	11.0	10.4	9.8	8.8	7.5	6.0								
		40				15.8	15.3	15.1	14.7	14.4	13.8	13.3	12.8	12.3	11.8	11.2	10.6	10.0	9.2	7.9	6.6	4.1								
		50				15.5	15.2	14.9	14.6	14.1	13.6	13.0	12.5	12.1	11.5	10.9	10.3	9.7	8.6	7.3	5.6									
		60			15.7	15.3	15.0	14.7	14.3	13.7	13.2	12.7	12.2	11.7	11.1	10.5	9.9	9.0	7.7	6.5	3.2									
Shut-off PSI						346	329	312	294	277	260	242	225	208	191	173	156	139	121	104	87	69	52							

Hi/Lo “N” Series – 13 HLN
SUBMERSIBLE WELL PUMPS WITH NORYL IMPELLER



13 GPM



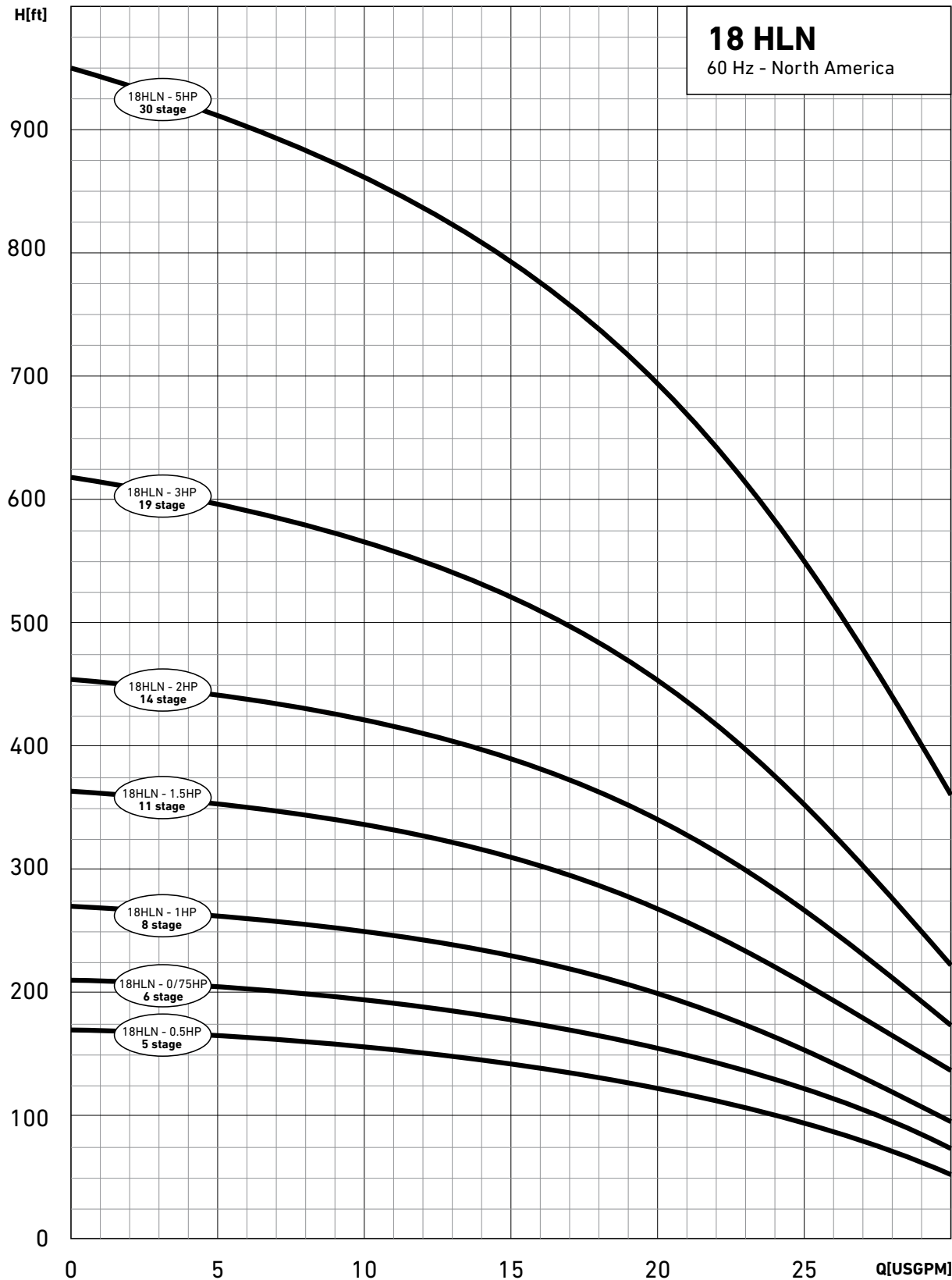
MODEL	HP	PSI	Depth to Water in Feet																									
			20	40	60	80	100	120	140	160	180	200	240	260	280	300	340	380	420	460	500	540	580	620	660			
13HL07N	¾	0				17.7	16.5	15.0	13.0	11.2	9.5	6.5																
		20		17.4	16.0	14.4	12.8	10.9	8.5	4.0																		
		30	16.9	15.5	14.0	12.6	10.5	8.0	3.0																			
		40	15.4	13.9	12.4	10.4	7.7	2.0																				
		50	13.4	11.8	10.0	7.5																						
		60	11.2	9.5	6.5																							
Shut-off PSI			86	78	69	61	52	43	35	26	17	8																
13HL10N	1	0						17.6	16.4	15.6	14.6	13.4	12.1	10.8	9.4	7.5	4.0											
		20			18.0	17.4	16.5	15.2	14.3	13.0	11.8	10.5	9.0	6.5	2.0													
		30		18.0	17.2	16.2	15.1	13.8	12.7	11.6	10.2	8.5	5.5															
		40	17.9	17.0	16.0	15.0	13.7	12.6	11.5	10.0	8.1	5.3																
		50	16.8	15.8	14.8	13.5	12.5	11.0	9.6	7.9	5.0																	
		60	15.6	14.6	13.4	12.1	10.8	9.4	7.5	4.0																		
Shut-off PSI			128	119	110	102	93	84	76	67	58	50	41	32	24	15	6											
13HL15N	1½	0							21.7	20.9	20.2	19.3	18.3	17.2	16.2	15.2	14.1	10.7										
		20					21.5	20.4	19.9	19.0	18.0	17.1	16.1	14.9	13.8	12.2	10.8											
		30			22.2	21.4	20.6	19.6	18.8	17.8	16.9	16.0	14.6	13.5	11.9	9.9	6.0											
		40		22.0	21.3	20.5	19.5	18.6	17.7	16.8	15.9	14.5	13.4	11.5	9.3	6.0												
		50	22.0	21.1	20.3	19.4	18.4	17.5	16.5	15.6	14.3	13.0	11.2	8.3														
		60	20.9	20.2	19.3	18.3	17.2	15.3	14.1	13.0	10.7	7.6																
Shut-off PSI			156	147	139	130	121	113	104	95	87	78	69	61	52	43	35	17										
13HL20N	2	0										21.0	20.5	20.0	19.3	18.9	18.2	16.8	15.4	13.6	11.5	8.7						
		20								20.8	20.4	19.8	19.2	18.6	18.0	17.3	16.6	15.1	13.4	11.2	7.8							
		30							20.7	20.3	19.7	19.2	18.4	17.8	17.2	16.5	15.8	14.1	12.1	9.8								
		40					20.6	20.2	19.6	19.1	18.3	17.7	17.1	16.4	15.7	14.8	13.0	10.8	7.0									
		50				21.1	20.5	20.1	19.4	19.0	18.2	17.6	17.0	16.2	15.6	14.7	13.9	11.8	9.5									
		60			21.0	20.5	19.3	18.9	18.2	17.5	16.8	16.1	15.4	14.6	13.6	12.5	10.2	6.0										
Shut-off PSI					206	198	180	172	163	155	146	137	129	120	111	103	85	68	51	33	16							
13HL30N	3	0												21.8	21.4	20.9	20.0	19.1	18.0	16.6	15.5	13.9	12.0	9.3				
		20										21.6	21.2	20.9	20.3	19.9	19.0	17.9	16.7	15.3	13.8	11.7	8.9					
		30								22.0	21.5	21.1	20.8	19.8	19.4	18.4	17.2	15.9	14.3	12.5	10.3	6.0						
		40							22.0	21.4	21.1	20.7	20.2	19.8	19.3	18.8	17.6	16.5	15.0	13.4	11.5	8.0						
		50						21.9	21.5	21.0	20.6	20.1	19.7	19.2	18.7	18.1	16.9	15.7	14.0	12.1	9.9							
		60					21.8	21.4	20.9	20.5	20.0	19.5	19.1	18.6	18.0	17.4	16.2	14.9	13.0	11.0	7.0							
Shut-off PSI							235	226	217	209	200	191	183	174	165	157	139	122	104	87	70	53	35	18				

MODEL	HP	PSI	Depth to Water in Feet																						
												200	240	260	300	340	380	420	460	480	520	560	600	700	800
13HL50N	5	0												23.0	22.0	21.0	20.5	19.7	19.5	19.0	18.7	18.0	16.2	14.5	12.2
		20												21.5	21.0	20.5	20.0	19.4	19.1	18.5	18.0	17.3	15.5	13.6	11.0
		30											21.8	20.9	20.3	20.0	19.5	18.9	18.6	18.1	17.5	17.0	15.2	13.0	10.0
		40										21.5	21.3	20.7	20.3	19.8	19.5	18.8	18.5	17.9	17.1	16.6	14.7	12.7	9.2
		50										21.3	21.0	20.5	20.0	19.5	19.0	18.4	18.4	17.5	16.8	16.2	14.2	11.9	8.5
		60										21.2	20.9	20.6	20.2	19.2	19.2	18.7	18.0	17.7	17.0	16.4	15.8	13.7	11.2
Shut-off PSI											381	363	354	337	320	303	285	268	260	242	225	208	165	121	78

Hi/Lo “N” Series – 18 HLN
SUBMERSIBLE WELL PUMPS WITH NORYL IMPELLER



18 GPM

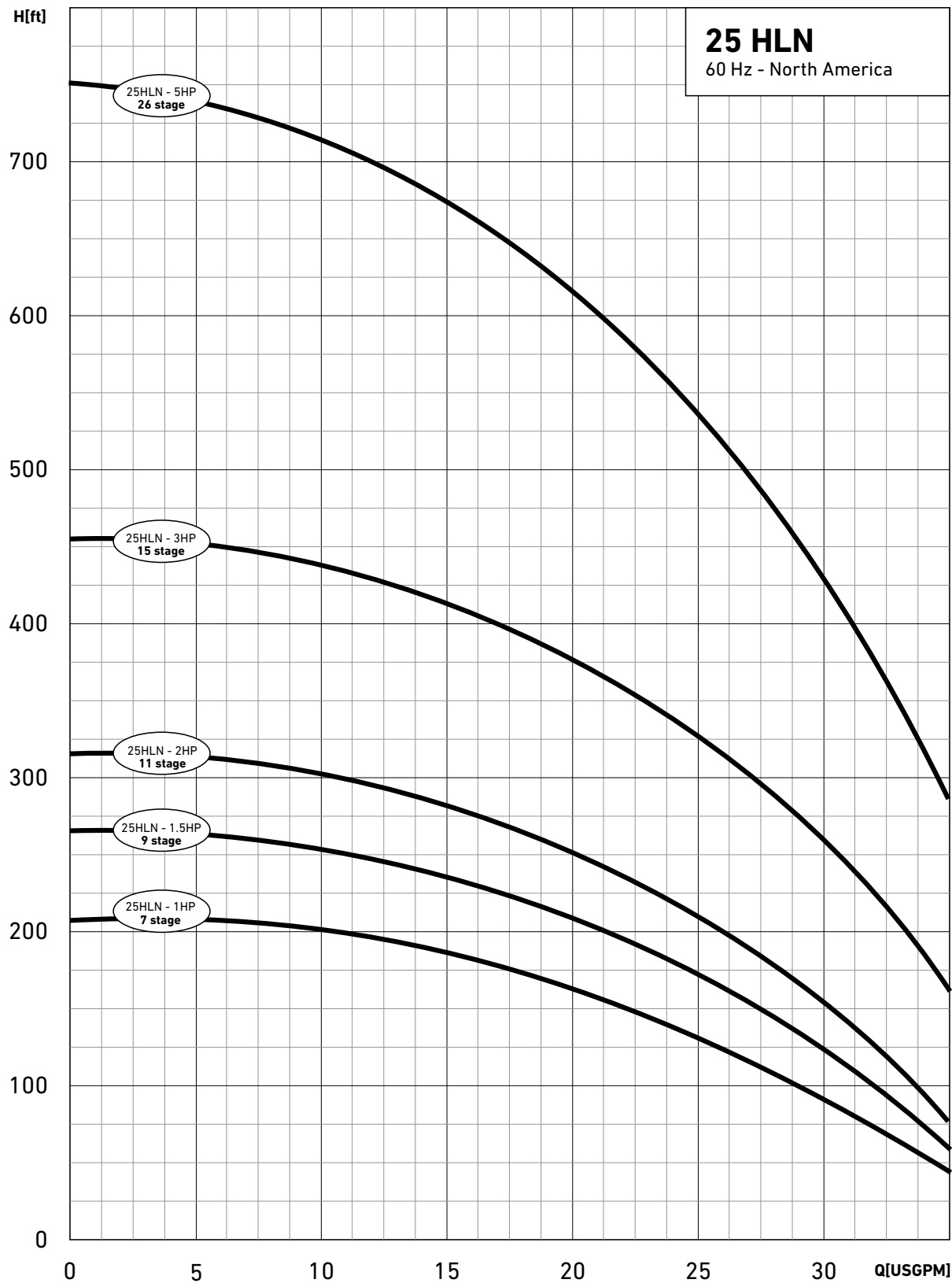


MODEL	HP	PSI	Depth to Water in Feet																																
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740	780	820	860				
18HL05N	½	0	29.3	26.6	24.5	21.3	12.0																												
		20	23.9	20.7	16.3	9.4																													
		30	16.1	15.6	6.0																														
		40	14.8	6.2																															
		50	5.4																																
		60																																	
18HL07N	¾	0		28.6	26.3	24.9	22.2	19.2	14.3	10.5																									
		20	26.6	24.4	21.4	18.1	14.3	8																											
		30	23.1	21.2	17.7	13	5.0																												
		40	21.1	17.6	12.4	2.3																													
		50	17.0	11.7	2.0																														
		60																																	
18HL10N	1	0					27.0	25.5	23.6	21.2	18.8	15.9	12.0																						
		20		28.0	26.6	25.1	22.7	20.0	17.6	14.0	10.0																								
		30	27.9	26.1	24.3	22.2	19.8	17.1	13.8	8.3																									
		40	26.0	24.1	22.0	19.7	17.0	13.1	8.0																										
		50	24.0	22.0	19.1	16.5	13.0	7.1																											
		60	21.0	18.6	15.8	12.0																													
Shut-off PSI			103	94	86	77	68	60	51	42	34	25	16																						
18HL15N	1½	0						28.4	27.2	26.0	24.8	23.0	21.4	19.6	17.5	15.0	12.1																		
		20				27.8	26.8	25.4	24.0	22.2	20.6	18.8	16.7	14.0	10.0																				
		30			27.7	26.5	25.3	23.8	22.0	20.2	18.5	16.1	13.5	10.0																					
		40		27.5	26.3	25.0	23.6	22.0	20.1	18.1	16.0	13.1	9.5																						
		50	27.6	26.4	25.0	23.4	21.8	20.0	18.0	15.5	13.0	9.2																							
		60	26.0	24.6	23.0	21.2	19.5	17.5	15.0	12.0	7.9																								
Shut-off PSI			143	134	126	117	108	100	91	82	74	65	56	48	39	30	22																		
18HL20N	2	0							28.0	27.1	26.2	25.1	24.0	22.9	21.4	20.0	16.8	12.8																	
		20						27.8	26.8	25.8	24.6	23.7	22.6	21.0	19.5	18.0	16.0	11.6																	
		30					27.5	26.5	25.5	24.5	23.3	22.1	20.6	19.0	17.5	15.8	13.6	6.5																	
		40			28.5	27.4	26.4	25.4	24.4	23.2	22.0	20.5	18.9	17.4	15.7	13.5	11.0																		
		50		28.0	27.2	26.2	25.3	24.3	23.0	21.8	20.3	18.7	17.0	15.3	13.1	10.5	6.0																		
		60	28.0	27.1	26.2	25.1	24.0	22.9	21.4	20.0	18.3	16.8	14.8	12.8	9.5																				
Shut-off PSI			183	174	165	157	148	139	131	122	113	105	96	87	79	70	61	44	27																
18HL30N	3	0											28.0	27.4	26.7	26.0	25.0	23.5	21.5	19.2	16.9	14.2	10.5												
		20									27.7	27.0	26.3	25.8	24.9	24.0	23.0	21.0	18.9	16.5	13.5	9.0													
		30									27.6	26.9	26.2	25.5	24.8	23.9	22.9	21.9	19.8	17.5	14.9	11.2													
		40								27.5	26.9	26.2	25.4	24.6	23.8	22.8	21.8	20.9	18.5	16.0	13.3	8.0													
		50							27.4	26.8	26.0	25.2	24.5	23.6	22.6	21.7	20.6	19.5	17.3	14.5	11.0														
		60				28.0	27.4	26.7	26.0	25.0	24.3	23.5	22.5	21.5	20.5	19.2	18.0	15.7	12.8	7.0															
Shut-off PSI						225	216	208	199	190	182	173	164	156	147	139	130	113	95	78	61	43	26												
18HL50N	5	0																27.9	26.8	25.8	24.8	23.7	22.6	21.2	19.9	18.4	16.8	14.8	12.4	9.7					
		20																	27.5	26.6	25.6	24.5	23.3	22.2	21.0	19.8	18.0	16.2	14.3	12.0	8.8				
		30																		28.0	26.9	26.0	25.0	23.9	22.9	21.6	20.3	18.6	17.0	15.0	13.0	10.2	6.2		
		40																			28.0	27.4	26.3	25.3	24.4	23.2	22.1	20.1	19.4	17.9	16.0	14.0	11.6	8.0	
		50																			27.9	27.3	26.8	25.9	24.9	23.8	22.7	21.3	20.1	18.5	16.9	14.9	12.8	10.0	6.0
		60																			27.9	27.2	26.8	26.2	25.2	24.1	23.0	21.9	20.7	19.2	17.5	15.8	13.6	11.0	7.8
Shut-off PSI																307	298	290	281	264	246	229	212	195	177	160	143	125	108	91	73	56	39		

Hi/Lo “N” Series – 25 HLN
SUBMERSIBLE WELL PUMPS WITH NORYL IMPELLER



25 GPM

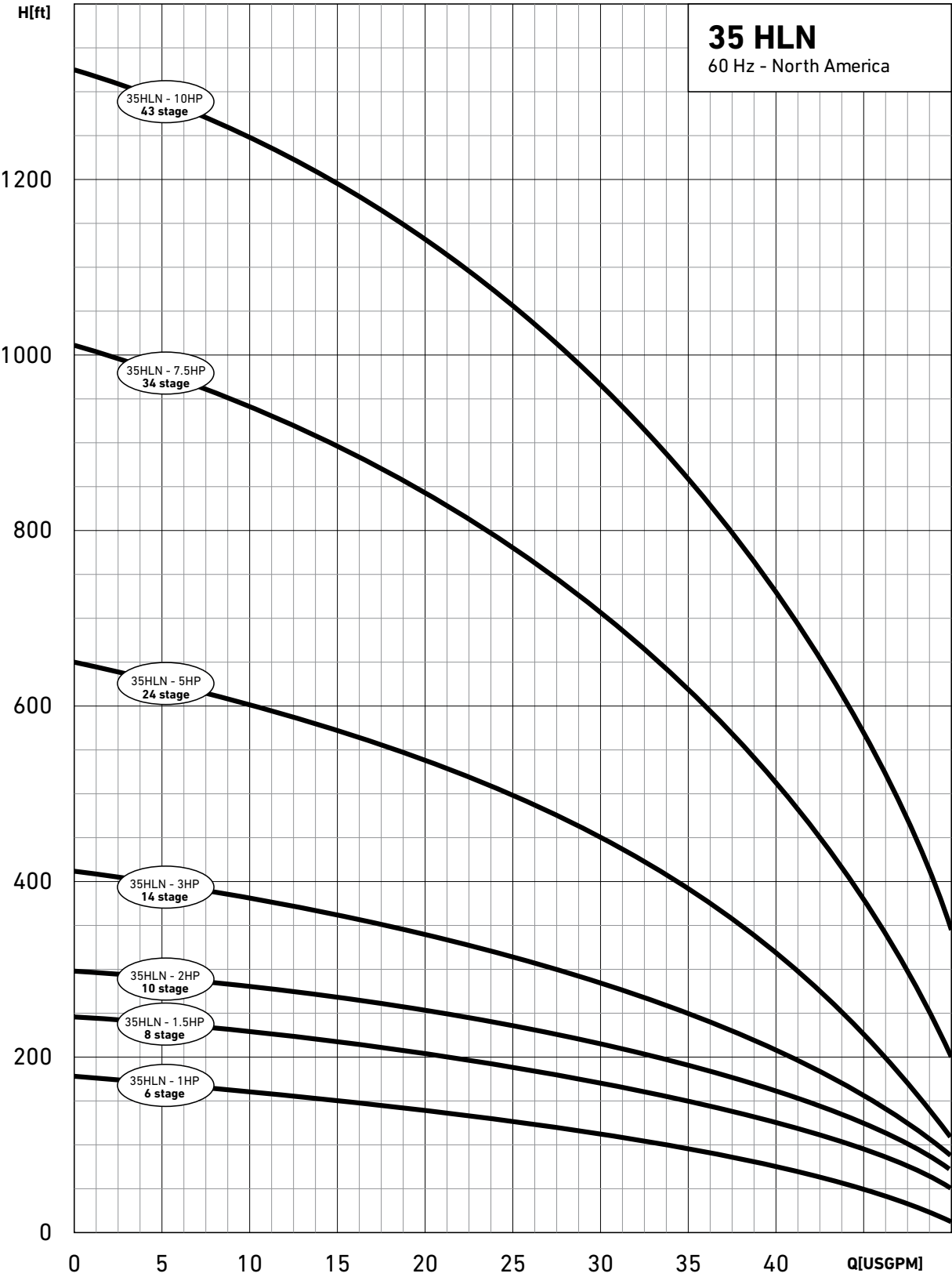


MODEL	HP	PSI	Depth to Water in Feet																											
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740		
25HL10N	1	0			32.8	30.8	28.6	26.2	23.5	20.0	16.2	11.0																		
		20	31.8	30.0	27.5	25.2	22.0	19.0	15.0	8.0																				
		30	29.6	27.2	25.0	21.6	18.0	14.0																						
		40	27.1	24.9	21.5	17.9	13.9																							
		50	24.3	21.0	17.5	13.0																								
		60	20.0	16.2	11.0																									
Shut-off PSI			82	74	65	56	48	39	30	22	13	4																		
25HL15N	1½	0				33.0	31.8	30.3	28.8	26.9	24.8	22.0	19.8	16.5	11.0															
		20		32.6	31.2	29.6	28.0	26.0	23.8	21.0	18.1	14.8	8.0																	
		30	32.5	31.0	29.5	27.6	25.6	23.2	20.9	17.9	14.0																			
		40	30.9	29.4	27.5	25.5	23.1	20.8	17.7	13.6																				
		50	29.0	27.2	25.1	22.9	20.4	17.2	13.0																					
		60	26.9	24.8	22.0	19.8	16.5	11.0																						
Shut-off PSI			111	103	94	85	77	68	59	51	42	33	25	16	7															
25HL20N	2	0					33.0	31.8	30.4	29.0	27.4	25.7	22.6	21.5	19.3	15.4														
		20				32.7	31.3	30.0	28.6	26.8	25.0	22.9	20.9	18.3	14.3	9.0														
		30			32.3	31.0	29.6	28.5	26.4	24.5	22.6	20.5	18.0	14.0	8.0															
		40			30.9	29.5	28.2	26.3	24.3	22.4	20.4	17.8	13.6	8.0																
		50		30.5	29.4	28.0	26.0	24.1	22.1	20.0	17.2	13.2																		
		60	30.4	29.0	27.4	25.7	22.6	21.5	19.3	15.4	12.2																			
Shut-off PSI			139	130	121	113	104	95	87	78	69	61	52	43	35	26	17													
25HL30N	3	0							33.0	32.2	31.5	30.5	29.6	28.3	27.1	25.8	22.6	19.0	14.0											
		20						32.8	32.0	31.0	30.0	29.0	27.9	26.6	25.0	23.8	21.9	20.0	12.6											
		30					32.6	31.8	30.9	30.0	28.8	27.6	25.5	24.9	23.4	21.6	19.9	15.2	8.0											
		40				32.5	31.7	30.9	29.9	28.8	27.5	26.2	24.7	23.3	21.5	19.9	17.8	11.9												
		50				32.3	31.6	30.8	29.8	28.5	27.3	26.0	24.5	23.0	21.2	19.5	17.4	11.5												
		60	33.0	32.2	31.5	30.5	29.6	28.3	27.1	25.8	24.1	22.6	20.9	19.0	16.9	14.0	10.0													
Shut-off PSI			191	183	174	165	157	148	139	131	122	113	105	96	87	79	70	53	35	18										
25HL50N	5	0													33.0	32.5	31.5	30.2	29.0	27.6	26.0	24.2	22.4	20.5	18.3	15.8	12.0			
		20												32.9	32.3	31.8	31.3	30.0	28.8	27.2	25.8	23.9	22.0	20.0	17.8	15.0	11.0			
		30											32.8	32.2	31.8	31.2	30.5	29.3	27.9	26.4	24.8	22.9	21.0	18.9	16.2	13.0	8.0			
		40										32.7	32.1	31.7	31.1	30.4	29.9	28.5	27.1	25.4	23.7	21.9	19.9	17.5	14.5	10.5				
		50									32.6	32.1	31.6	31.0	30.3	29.9	29.2	27.8	26.3	24.5	22.6	21.8	18.7	16.0	12.7					
		60							33.0	32.5	32.0	31.5	30.8	30.2	29.8	29.0	28.3	26.9	25.1	23.3	21.5	19.5	17.0	14.0	9.5					
Shut-off PSI									286	277	268	260	251	242	234	225	216	199	182	165	147	130	113	95	78	61	43	26		

Hi/Lo "N" Series – 35 HLN
SUBMERSIBLE WELL PUMPS WITH NORYL IMPELLER



35 GPM



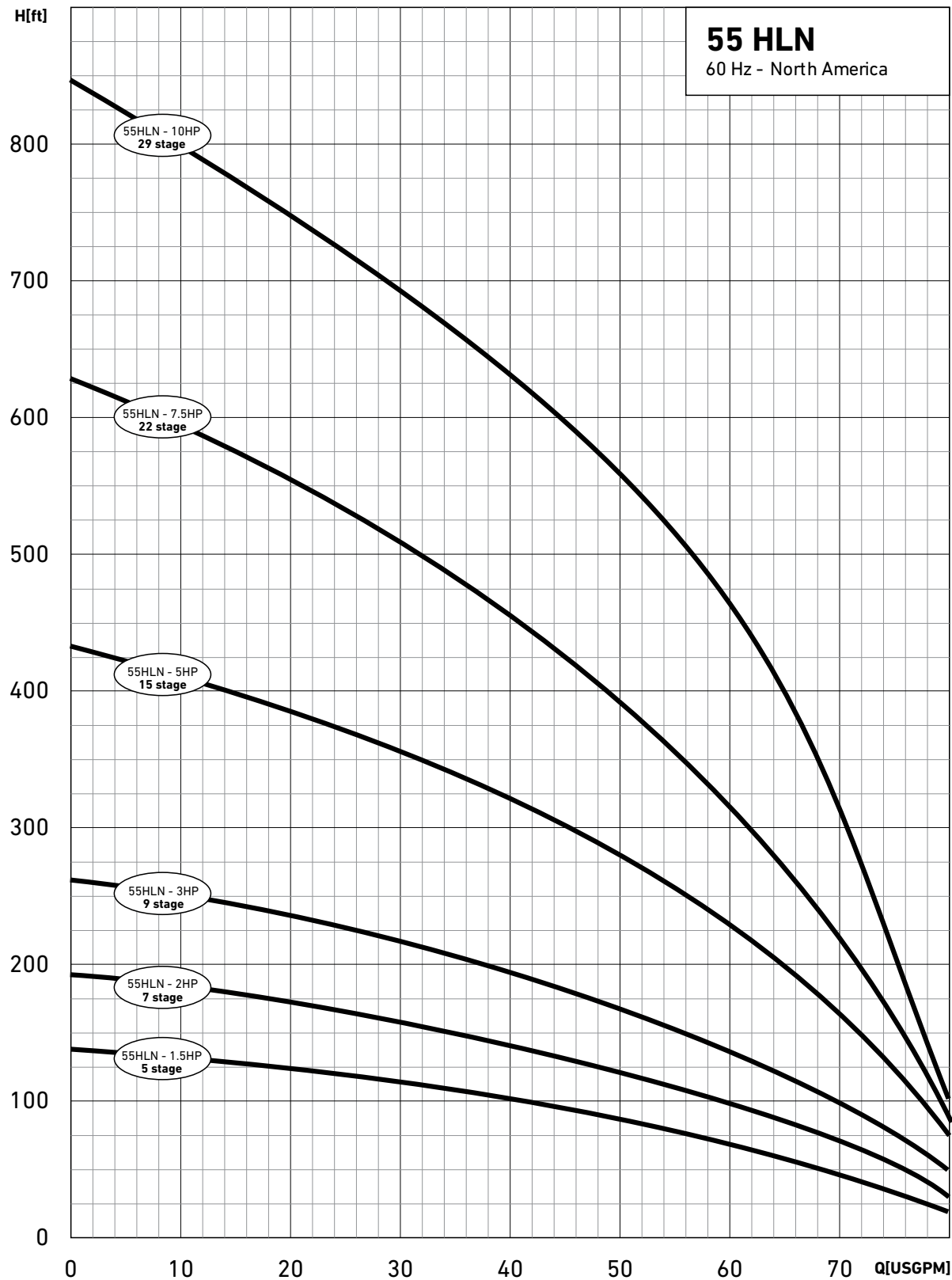
MODEL	HP	PSI	Depth to Water in Feet																											
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	520	560	600	
35HL10N	1	0		48	45	41	36	30	22	11																				
		20	44	39	34	28	19																							
		30	39	33	27	17																								
		40	32	25	15																									
		50	24	14																										
		60	12																											
Shut-off PSI			67	58	50	41	32	24	15	6																				
35HL15N	1½	0		50	48	46	43	40	37	32	26	19																		
		20	48	45	43	39	35	31	24	17																				
		30	45	42	39	35	30	23	15																					
		40	42	38	34	29	22	14																						
		50	38	33	28	21	12																							
		60	33	27	20	11																								
Shut-off PSI			95	86	78	69	60	52	43	34	26	17																		
35HL20N	2	0			49	48	46	44	41	38	35	32	28	22																
		20	49	47	45	43	40	38	34	31	26	21	14																	
		30	47	45	42	40	37	34	30	25	20	13																		
		40	44	42	40	37	33	29	24	19	11																			
		50	42	39	36	33	29	24	18																					
		60	39	36	32	28	23	16																						
Shut-off PSI			121	112	103	95	86	77	69	60	51	43	34	26																
35HL30N	3	0				49	48	46	45	43	41	40	38	35	33	31	28	24	20	15										
		20	50	49	47	46	44	43	41	39	37	35	32	30	27	23	19	13												
		30	49	47	46	44	42	41	39	37	34	32	29	26	22	18	12													
		40	47	45	44	42	40	38	36	34	32	29	25	22	17	11														
		50	45	44	42	40	38	36	34	31	28	25	21	16																
		60	43	42	40	38	36	33	31	28	24	20	15																	
Shut-off PSI			170	161	152	144	135	126	118	109	100	92	83	74	66	57	48	40	31	23										

MODEL	HP	PSI	Depth to Water in Feet																											
			50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	
35HL50N	5	0		50	48	46	44	41	38	35	31	27	20	11																
		20	50	48	46	44	41	38	35	32	27	21	11																	
		30	49	47	45	43	40	37	34	30	25	17																		
		40	48	46	44	41	39	36	32	27	21	12																		
		50	47	45	43	40	37	34	30	25	18																			
		60	46	44	42	39	36	32	28	22	13																			
Shut-off PSI			264	242	220	199	177	156	134	112	91	69	47	26																
35HL75N	7½	0				50	48	47	46	44	42	40	38	36	33	31	27	23	19	14										
		20				50	49	47	46	44	42	41	38	36	34	31	28	24	19	14										
		30		50	49	48	46	45	43	42	40	37	35	32	29	26	22	17	12											
		40		50	49	47	46	44	43	41	39	36	34	31	28	24	20	15												
		50		49	48	47	45	43	42	40	38	35	33	30	26	22	17	12												
		60	50	49	47	46	44	43	41	39	37	34	31	28	24	20	15													
Shut-off PSI			415	393	371	350	328	306	285	263	241	220	198	176	155	133	111	90	68	47										
35HL100N	10	0							49	48	46	45	43	42	41	40	39	38	36	34	31	28	25	22	18	13				
		20						50	48	46	45	43	42	41	40	39	38	36	34	31	29	25	22	18	14					
		30						49	47	45	44	43	42	41	40	38	37	35	33	30	27	24	20	16	12					
		40					50	48	46	45	44	43	42	40	39	38	36	34	32	29	26	22	18	14						
		50					49	47	45	44	43	42	41	40	39	37	35	33	30	27	24	20	16	12						
		60				50	48	46	45	44	43	42	41	39	38	36	34	32	29	26	22	19	14							
Shut-off PSI			551	529	508	486	464	443	421	399	378	356	334	313	291	269	248	226	205	183	161	140	118	96	75	53				

Hi/Lo "N" Series – 55 HLN
SUBMERSIBLE WELL PUMPS WITH NORYL IMPELLER



55 GPM



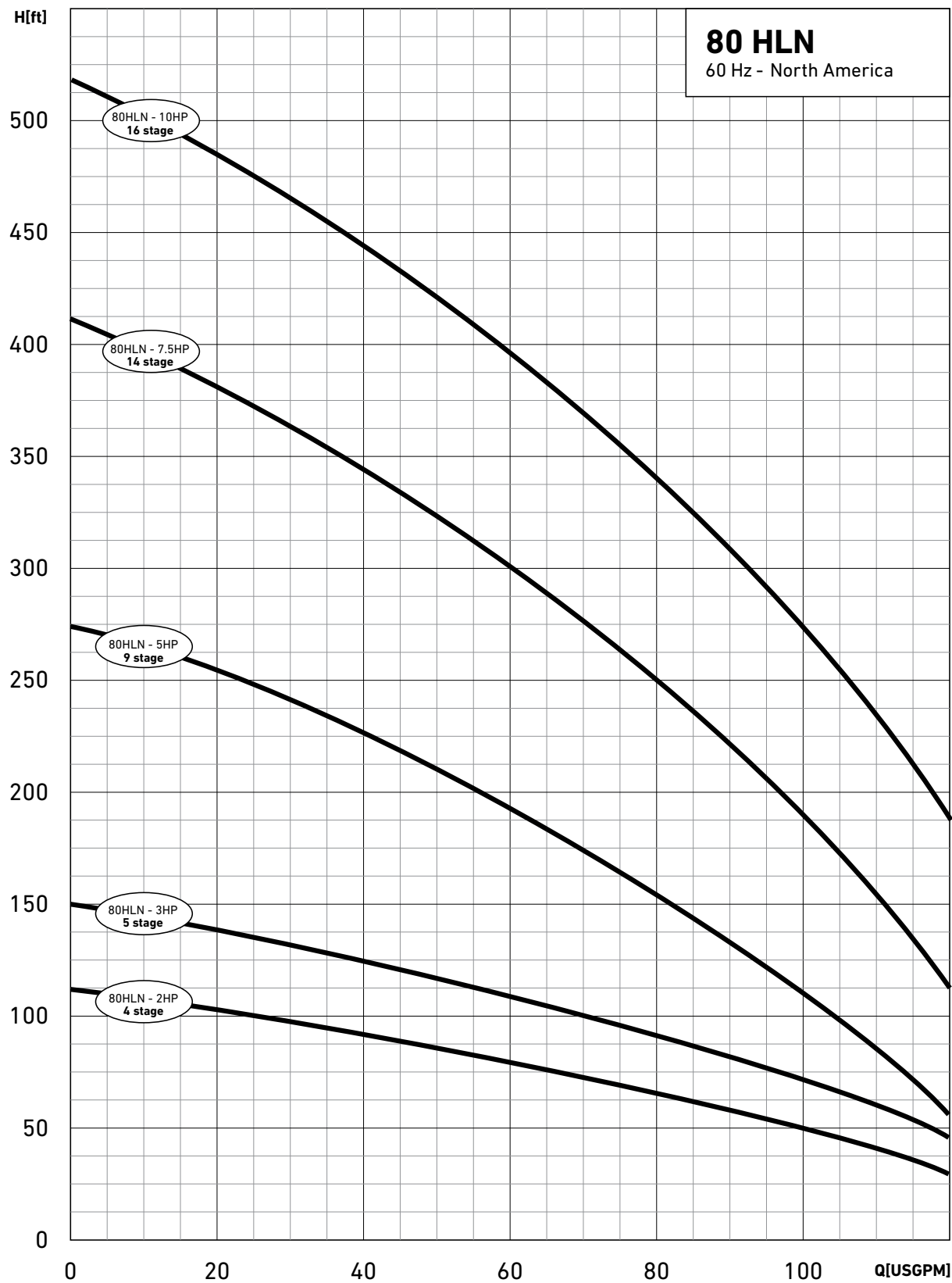
MODEL	HP	PSI	Depth to Water in Feet																									
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	
55HL15N	1½	0	78	71	64	54	42	24																				
		20	61	51	37																							
		30	49	35																								
		40	32																									
		50																										
		60																										
Shut-off PSI			52	43	35	26	17	9																				
55HL20N	2	0		76	71	65	58	50	41	28																		
		20	69	63	56	48	37	24																				
		30	62	55	46	35	21																					
		40	54	45	34																							
		50	43	32																								
		60	29																									
Shut-off PSI			76	67	58	50	41	32	24	15																		
55HL30N	3	0		80	76	72	68	63	58	52	44	35																
		20	75	71	67	62	56	49	42	32																		
		30	70	66	61	55	48	40	30																			
		40	65	60	54	47	39	28																				
		50	59	53	46	37	26																					
		60	52	45	36	25																						
Shut-off PSI			102	94	85	76	68	59	50	42	33	24																
55HL50N	5	0				80	78	76	73	71	68	65	62	58	55	50	46	40	34	27								
		20		80	77	75	73	70	67	64	61	57	53	49	44	39	32	25										
		30	79	77	75	72	70	67	64	60	57	53	48	43	38	31	24											
		40	77	74	72	69	66	63	60	56	52	47	42	37	30	23												
		50	74	71	69	66	63	59	55	51	47	42	36	29	22													
		60	71	68	65	62	59	55	51	46	41	35	28	20														
Shut-off PSI			178	169	161	152	143	135	126	117	109	100	91	83	74	65	57	48	39	31								

MODEL	HP	PSI	Depth to Water in Feet																											
			20	60	100	140	180	220	260	300	340	380	420	460	500	540	580	620	660	700	740	780	820	860	900	940	980			
55HL75N	7½	0			79	76	73	70	66	62	58	52	46	39	31	22														
		20		78	76	73	69	66	61	57	52	45	38	30	20															
		30	80	77	74	71	67	63	59	54	48	41	33	24																
		40	78	75	72	69	65	61	56	51	44	37	28																	
		50	76	73	70	67	63	58	53	47	40	32	23																	
		60	75	72	68	64	60	55	50	43	36	27																		
Shut-off PSI			261	243	226	209	191	174	157	139	122	105	88	70	53	36														
55HL100N	10	0			80	78	76	75	73	71	68	66	63	60	56	51	47	41	35	28										
		20		80	78	76	74	73	70	68	65	62	59	55	51	46	40	33	26											
		30		79	77	75	73	71	69	67	64	61	57	53	48	42	36	29	22											
		40	79	78	76	74	72	70	68	65	62	59	55	50	45	39	32	25												
		50	78	77	75	73	71	69	66	63	60	56	52	47	42	35	28	21												
		60	77	76	74	72	70	67	65	61	58	54	49	44	38	31	24													
Shut-off PSI			353	336	319	301	284	267	250	232	215	198	180	163	146	128	111	94	76	59										

Hi/Lo “N” Series – 80 HLN
SUBMERSIBLE WELL PUMPS WITH NORYL IMPELLER



80 GPM



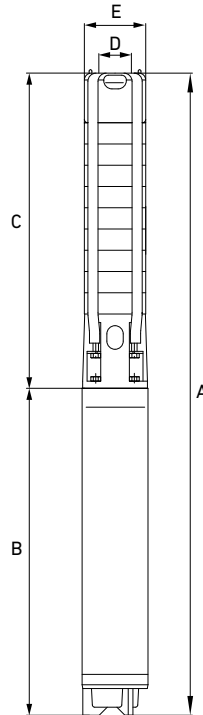
MODEL	HP	PSI	Depth to Water in Feet																							
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	
80HL20N	2	0	97	87	77	66	49	33																		
		20	87	60	46	26																				
		30	63	42	26																					
		40	45	25																						
		50	22																							
		60																								
Shut-off PSI																										
80HL30N	3	0		119	105	87	68																			
		20	99	82	62																					
		30	79	58																						
		40	55																							
		50																								
		60																								
Shut-off PSI			55	46	38	29	20																			
80HL50N	5	0				118	109	101	92	71	58															
		20	123	115	107	98	89	78	67	54																
		30	114	105	97	87	77	65																		
		40	104	95	86	75	63																			
		50	93	84	73	61																				
		60	82	72	59																					
Shut-off PSI			107	98	90	81	72	64	55	46	38	29														
80HL75N	7½	0						115	110	104	98	82	86	79	72	65	57									
		20			119	114	108	102	97	90	84	77	69	63												
		30		118	113	107	102	96	89	83	76	69	62													
		40	117	112	106	101	95	88	82	75	68	60														
		50	111	106	99	94	87	81	74	67	59															
		60	105	99	93	86	80	73	66	58																
Shut-off PSI			171	162	153	145	136	127	119	110	101	93	84	75	67	58	49									
80HL100N	10	0								120	117	111	107	101	95	90	85	79	74	67	57	53	43	37	28	
		20								118	112	106	102	96	90	85	79	73	55	58	52	44	36	26		
		30					115	112	110	106	99	94	88	83	77	71	63	56	50	40	32	25				
		40					115	113	109	103	97	92	87	82	76	69	63	55	48	38	32					
		50				116	113	108	103	97	92	87	80	75	68	63	55	48	39	32						
		60	120	116	112	107	103	97	92	85	79	74	68	62	56	45	38	28								
Shut-off PSI			216	208	119	190	181	173	164	156	147	138	130	121	112	104	95	86	78	69	61	52	43	35		

Hi/Lo "N" Series Continued

SUBMERSIBLE WELL PUMPS WITH NORYL IMPELLER

SIMFLO®

WEIGHTS & DIMENSIONS



5 GPM												
Motor Type				HP	Dimensions (In)					Weights (Lbs)		
	Model	PH	VOLT		A	B	C	D	E	Complete Unit	Pump End	Motor
2 Wire	5HL05N			½	26	11	15	1¼	3.9	29	9	20
	5HL05N			½	26	11	15			29	9	20
	5HL07N			¾	29.4	12.4	17			34	11	23
	5HL10N			1	35	13.3	21.7			38	13	25
	5HL15N			1½	40.7	14.9	25.8			45	15	30
3 Wire	5HL05N			½	25	10	15			38	9	19
	5HL05N			½	24.7	9.7	15			38	9	19
	5HL07N			¾	27.8	10.8	17			33	11	22
	5HL10N			1	33.4	11.7	21.7			38	13	25
	5HL10N			1	33.4	11.7	21.7			38	13	25
	5HL10N			1	33.4	11.7	21.7			38	13	25
	5HL15N				39.4	13.6	25.8			42	15	27
	5HL15N			1½	37.5	11.7	25.8			38	15	23
	5HL15N			1½	37.5	11.7	25.8			38	15	23
	5HL20N				46.7	15.1	31.6			50	19	31
	5HL20N			2	45.4	13.8	31.6			46	19	27
	5HL20N			2	45.4	13.8	31.6			46	19	27

7 GPM														
Motor Type	ModelPHVOLT			HP	Dimensions (In)					Weights (Lbs)				
					A	B	C	D	E	Complete Unit	Pump End	Motor		
2 Wire	7HL05N			½	24.8	11	13.8	1¼	3.9	27	7	20		
	7HL05N			½	24.8	11	13.8			27	7	20		
	7HL07N			¾	28.4	12.4	16			31	8	23		
	7HL10N			1	32.1	13.3	18.8			34	9	25		
	7HL15N			1½	38.5	14.9	23.6			42	12	30		
3 Wire	7HL05N			½	23.8	10	13.8			1¼	3.9	26	7	19
	7HL05N			½	23.5	9.7	13.8					26	7	19
	7HL07N			¾	26.8	10.8	16					31	8	22
	7HL 10N			1	30.5	11.7	18.8					34	9	25
	7HL10N			1	30.5	11.7	18.8					34	9	25
	7HL10N			1	30.5	11.7	18.8					34	9	25
	7HL15N			1½	37.2	13.6	23.6					39	12	27
	7HL15N			1½	35.3	11.7	23.6					35	12	23
	7HL15N			1½	35.3	11.7	23.6					35	12	23
	7HL20N			2	42.3	15.1	27.2					44	13	31
	7HL20N			2	41	13.8	27.2					40	13	27
	7HL20N			2	41	13.8	27.2					40	13	27
	7HL30N			3	51.5	18.3	33.2					58	18	40
	7HL30N			3	48.5	15.3	33.2					50	18	32
	7HL30N			3	48.5	15.3	33.2					50	18	32

Hi/Lo "N" Series Continued



SUBMERSIBLE WELL PUMPS WITH NORYL IMPELLER

WEIGHTS & DIMENSIONS

10 GPM												
Motor Type	ModelPHVOLT			HP	Dimensions (In)					Weights (Lbs)		
					A	B	C	D	E	Complete Unit	Pump End	Motor
2 Wire	10HL05N			½	22.5	11.0	11.5	1¼	3.9	27	7	20
	10HL05N			½	22.5	11.0	11.5			27	7	20
	10HL07N			¾	26	12.4	13.6			31	8	23
	10HL10N			1	28.3	13.3	15			34	9	25
	10HL15N			1½	33.3	14.9	18.4			42	12	30
3 Wire	10HL05N			½	21.5	10.0	11.5			26	7	19
	10HL05N			½	21.2	9.7	11.5			26	7	19
	10HL07N			¾	24.4	10.8	13.6			31	8	22
	10HL10N			1	26.7	11.7	15			34	9	25
	10HL10N			1	26.7	11.7	15			34	9	25
	10HL10N			1	26.7	11.7	15			34	9	25
	10HL15N			1½	32	13.6	18.4			39	12	27
	10HL15N			1½	30.1	11.7	18.4			35	12	23
	10HL15N			1½	30.1	11.7	18.4			35	12	23
	10HL20N			2	36.8	15.1	21.7			44	13	31
	10HL20N			2	35.5	13.8	21.7			40	13	27
	10HL20N			2	35.5	13.8	21.7			40	13	27
	10HL30N			3	45.8	18.3	27.5			58	18	40
	10HL30N			3	42.8	15.3	27.5			50	18	32
	10HL30N			3	42.8	15.3	27.5			50	18	32
	10HL50N			5	67.9	27.7	40.2			94	24	70
	10HL50N			5	61.9	21.7	40.2			79	24	55
	10HL50N			5	61.9	21.7	40.2			79	24	55

13 GPM												
Motor Type	ModelPHVOLT			HP	Dimensions (In)					Weights (Lbs)		
					A	B	C	D	E	Complete Unit	Pump End	Motor
2 Wire	13HL10N			1	26.8	13.3	13.5	1¼	3.9	34	7	25
	13HL15N			1½	29.7	13.6	16.1			37	9	30

13 GPM continued												
Motor Type	ModelPHVOLT			HP	Dimensions (In)					Weights (Lbs)		
					A	B	C	D	E	Complete Unit	Pump End	Motor
3 Wire	13HL10N	1	26.8	13.3	13.5	1 1/4	3.9	32	7	25		
	13HL10N	1	26.8	13.3	13.5			31	7	25		
	13HL10N	1	26.8	13.3	13.5			31	7	25		
	13HL15N	1 1/2	29.7	13.6	16.1			35	9	27		
	13HL15N	1 1/2	29.7	13.6	16.1			34	9	23		
	13HL15N	1 1/2	29.7	13.6	16.1			34	9	23		
	13HL20N	2	33.7	15.1	18.6			36	12	31		
	13HL20N	2	33.7	15.1	18.6			35	12	27		
	13HL20N	2	33.7	15.1	18.6			35	12	27		
	13HL30N	3	39.4	15.3	24.1			38	14	40		
	13HL30N	3	39.4	15.3	24.1			36	14	32		
	13HL30N	3	39.4	15.3	24.1			36	14	32		
	13HL50N	5	62.1	27.7	34.4			59	19	70		
	13HL50N	5	62.1	27.7	34.4			52	19	55		
	13HL50N	5	62.1	27.7	34.4			52	19	55		

18 GPM												
Motor Type	ModelPHVOLT			HP	Dimensions (In)					Weights (Lbs)		
					A	B	C	D	E	Complete Unit	Pump End	Motor
2 Wire	18HL05N			½	21.5	11.0	10.5	1¼	3.9	26	6	20
	18HL05N			½	21.5	11.0	10.5			26	6	20
	18HL07N			¾	24.2	12.4	11.8			30	7	23
	18HL10N			1	26.8	13.3	13.5			33	8	25
	18HL15N			1½	31	14.9	16.1			40	10	30
3 Wire	18HL05N			½	20.5	10.0	10.5			25	6	19
	18HL05N			½	20.2	9.7	10.5			25	6	19
	18HL07N			¾	22.6	10.8	11.8			29	7	22
	18HL10N			1	25.2	11.7	13.5			33	8	25
	18HL10N			1	25.2	11.7	13.5			33	8	25
	18HL10N			1	25.2	11.7	13.5			33	8	25
	18HL15N			1½	29.7	13.6	16.1			37	10	27
	18HL15N			1½	27.8	11.7	16.1			33	10	23
	18HL15N			1½	27.8	11.7	16.1			33	10	23
	18HL20N			2	33.7	15.1	18.6			42	11	31
	18HL20N			2	32.4	13.8	18.6			38	11	27
	18HL20N			2	32.4	13.8	18.6			38	11	27
	18HL30N			3	42.4	18.3	24.1			55	15	40
	18HL30N			3	39.4	15.3	24.1			47	15	32
	18HL30N			3	39.4	15.3	24.1			47	15	32
	18HL50N			5	62.1	27.7	34.4			91	21	70
	18HL50N			5	56.1	21.7	34.4			76	21	55
	18HL50N			5	56.1	21.7	34.4			76	21	55

Hi/Lo "N" Series Continued



SUBMERSIBLE WELL PUMPS WITH NORYL IMPELLER

WEIGHTS & DIMENSIONS

25 GPM												
Motor Type	ModelPHVOLT			HP	Dimensions (In)					Weights (Lbs)		
					A	B	C	D	E	Complete Unit	Pump End	Motor
2 Wire	25HL10N			1	26.7	13.3	13.4	1¼	3.9	33	8	25
	25HL15N			1½	30.2	14.9	15.3			39	9	30
3 Wire	25HL10N			1	25.1	11.7	13.4			33	8	25
	25HLV10N			1	25.1	11.7	13.4			33	8	25
	25HL10N			1	25.1	11.7	13.4			33	8	25
	25HL15N			1½	28.9	13.6	15.3			36	9	27
	25HL15N			1½	27	11.7	15.3			32	9	23
	25HL15N			1½	27	11.7	15.3			32	9	23
	25HL20N			2	32.3	15.1	17.2			41	10	31
	25HL20N			2	31	13.8	17.2			37	10	27
	25HL20N			2	31	13.8	17.2			37	10	27
	25HL30N			3	39.2	18.3	20.9			54	14	40
	25HL30N			3	36.2	15.3	20.9			46	14	32
	25HL30N			3	36.2	15.3	20.9			46	14	32
	25HL50N			5	61.1	27.7	33.4			91	21	70
	25HL50N			5	55.1	21.7	33.4			76	21	55
	25HL50N			5	55.1	21.7	33.4			76	21	55

35 GPM												
Motor Type	ModelPHVOLT			HP	Dimensions (In)					Weights (Lbs)		
					A	B	C	D	E	Complete Unit	Pump End	Motor
2 Wire	35HL10N			1	27.5	13.3	14.2	1¼	3.9	33	8	25
	35HL15N			1½	31.5	14.9	16.6			39	9	30
3 Wire	35HL10N			1	25.9	11.7	14.2	1¼	3.9	33	8	25
	35HL10N			1	25.9	11.7	14.2			33	8	25
	35HL10N			1	25.9	11.7	14.2			33	8	25
	35HL15N			1½	30.2	13.6	16.6			36	9	27
	35HL15N			1½	28.3	11.7	16.6			32	9	23
	35HL15N			1½	28.3	11.7	16.6			32	9	23
	35HL20N			2	34.2	15.1	19.1			41	10	31
	35HL20N			2	32.9	13.8	19.1			37	10	27
	35HL20N			2	32.9	13.8	19.1			37	10	27
	35HL30N			3	42.3	18.3	24			53	13	40
	35HL30N			3	39.3	15.3	24			45	13	32
	35HL30N			3	39.3	15.3	24			45	13	32
	35HL50N			5	62.9	27.7	35.2			89	19	70
	35HL50N			5	56.9	21.7	35.2			74	19	55
	35HL50N			5	62.9	27.7	35.2			74	19	55
	35HL75N			7½	78.3	27.7	50.6			97	27	70
	35HL75N			7½	78.3	27.7	50.6			97	27	70
	35HL100N			10	88.2	25.4	62.8			127	33	95
	35HL100N			10	88.2	25.4	62.8			127	33	95

Hi/Lo "N" Series Continued



SUBMERSIBLE WELL PUMPS WITH NORYL IMPELLER

WEIGHTS & DIMENSIONS

55 GPM												
Motor Type	ModelPHVOLT			HP	Dimensions (In)					Weights (Lbs)		
					A	B	C	D	E	Complete Unit	Pump End	Motor
2 Wire	55HL15N			1½	32	14.9	17.1	1¼	3.9	40	10	30
3 Wire	55HL15N			1½	30.7	13.6	17.1			37	10	27
	55HL15N			1½	28.8	11.7	17.1			33	10	23
	55HL15N			1½	28.8	11.7	17.1			33	10	23
	55HL20N			2	36.3	15.1	21.2			43	12	31
	55HL20N			2	35	13.8	21.2			39	12	27
	55HL20N			2	35	13.8	21.2			39	12	27
	55HL30N			3	43.6	18.3	25.3			55	15	40
	55HL30N			3	40.6	15.3	25.3			47	15	32
	55HL30N			3	40.6	15.3	25.3			47	15	32
	55HL50N			5	66.8	27.7	39.1			92	22	70
	55HL50N			5	60.8	21.7	39.1			77	22	55
	55HL50N			5	60.8	21.7	39.1			77	22	55
	55HL75N			7½	81.8	27.7	54.1			102	32	70
	55HL75N			7½	81.8	27.7	54.1			102	32	70
	55HL100N			10	123.8	25.4	98.4			134	39	95
	55HL100N			10	123.8	25.4	98.4			134	39	95

80 GPM												
Motor Type	ModelPHVOLT			HP	Dimensions (In)					Weights (Lbs)		
					A	B	C	D	E	Complete Unit	Pump End	Motor
3 Wire	80HL30N			3	39.7	18.3	21.4	1¼	3.9	50	10	40
	80HL30N			3	36.7	15.3	21.4			42	10	32
	80HL30N			3	36.7	15.3	21.4			42	10	32
	80HL50N			5	57.1	27.7	29.4			83	13	70
	80HL50N			5	51.1	21.7	29.4			68	13	55
	80HL50N			5	51.1	21.7	29.4			68	13	55
	80HL75N			7½	70.5	27.7	42.8			94	24	70
	80HL75N			7½	70.5	27.7	42.8			94	24	70

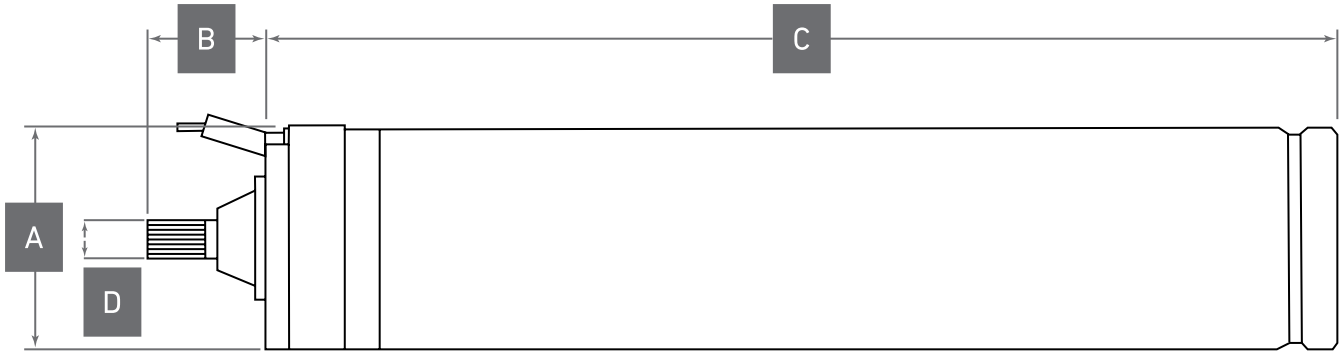
4" Motors

4" Standard Motors

HP	kW	Wire / PH	Voltage	FL Amps	SF Amps	SF	Start Amps	Cos Φ
½	0.37	2-Wire, 1PH	115	9.8	13	1.6	26	0.99
			230	4.8	6.4	1.6	22	0.78
		3-Wire, 1PH	115	10.2	11.8	1.6	26	0.99
			230	5.5	6.4	1.6	22	0.78
¾	0.55		230	7	9.3	1.5	32	0.74
			230	7	9.3	1.5	32	0.74
1	0.75		230	8.4	12	1.4	40	0.75
			230	8.5	12	1.4	40	0.75
		3PH	230	4.5	6.3	1.4	22.5	0.76
			460	2	2.7	1.4	12.5	0.8
1½	1.1		230	12	15.4	1.3	49	0.83
			230	10.1	13	1.3	49	0.83
		3PH	230	5.7	7.4	1.3	31.2	0.85
			460	2.8	3.6	1.3	15	0.81
2	1.5		230	11.6	15	1.25	52	0.87
		3PH	230	7.3	9.2	1.25	43.3	0.8
			460	3.5	4.2	1.25	22	0.81
3	2.2		230	14.8	16.9	1.15	68	0.93
		3PH	230	10.9	12.5	1.15	60.6	0.76
			460	4.9	5.6	1.15	30.5	0.78
5	3.7		230	25.5	27.8	1.15	88	0.92
		3PH	230	17.7	20.4	1.15	95.3	0.79
			460	9	10.4	1.15	62	0.76
7½	5.5	3PH	230	25.1	28.9	1.15	142	0.78
			460	12	13.8	1.15	77	0.78
10	7.5	3PH	230	38.1	43.3	1.15	177	0.79
			460	16.2	18.5	1.15	95	0.77

4" Standard Motors

HP	kW	PH (~)	A (in)	B (in)	C (in)	D (in)	Weight (lbs)
½	0.37	1	3.7	1.5	9.8	0.61	15
¾	0.55	1	3.7	1.5	10.4	0.61	17.8
1	0.75	1	3.7	1.5	11.6	0.61	23.3
		3	3.7	1.5	10.4	0.61	18.3
1½	1.1	1	3.7	1.5	13.4	0.61	24.6
		3	3.7	1.5	11.6	0.61	24
2	1.5	1	3.7	1.5	14.8	0.61	30.8
		3	3.7	1.5	13.4	0.61	25.1
3	2.2	1	3.7	1.5	16.9	0.61	36.1
		3	3.7	1.5	14.8	0.61	31.2
5	3.7	1	3.7	1.5	26.6	0.61	64.5
		3	3.7	1.5	21.9	0.61	51.5
7½	5.5	3	3.7	1.5	26.6	0.61	64.7
10	7.5	3	3.7	1.5	31.9	0.61	74.6



Wire Sizing 75° C

1PH 4" Wire Sizing (All measurements are in ft.)

Motor Rating		Copper Wire Size								
Voltage	HP	14	12	10	8	6	4	2	0	00
115	½	100	160	250	390	620	960	1460		
230	½	400	650	1020	1610	2510				
	¾	300	480	760	1200	1870	2890			
	1	250	400	630	990	1540	2380			
	1½	190	310	480	770	1200	1870	2850		
	2	150	250	390	620	970	1530	2360		
	3	120	190	300	470	750	1190	1850	2890	
	5			180	280	450	710	1110	1740	2170
	7½				200	310	490	750	1140	1410
	10					250	390	600	930	1160

3PH 4" Wire Sizing (All measurements are in ft.)

Motor Rating		Copper Wire Size								
Voltage	HP	14	12	10	8	6	4	2	0	00
230	1½	420	670	1060	1670	2610				
	2	320	510	810	1280	2010				
	3	240	390	620	990	1540	2400			
	5		230	370	590	920	1430	2190		
	7½			260	420	650	1020	1560	2340	2870
	10				310	490	760	1170	1760	2160
460	1½	1700	2710	4270	6730					
	2	1300	2070	3270	5150					
	3	1000	1600	2520	3970	6200				
	5	590	950	1500	2360	3700	5750			
	7½	420	680	1070	1690	2640	4100	6260		
	10	310	500	790	1250	1960	3050	4680		



Notes





Notes



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