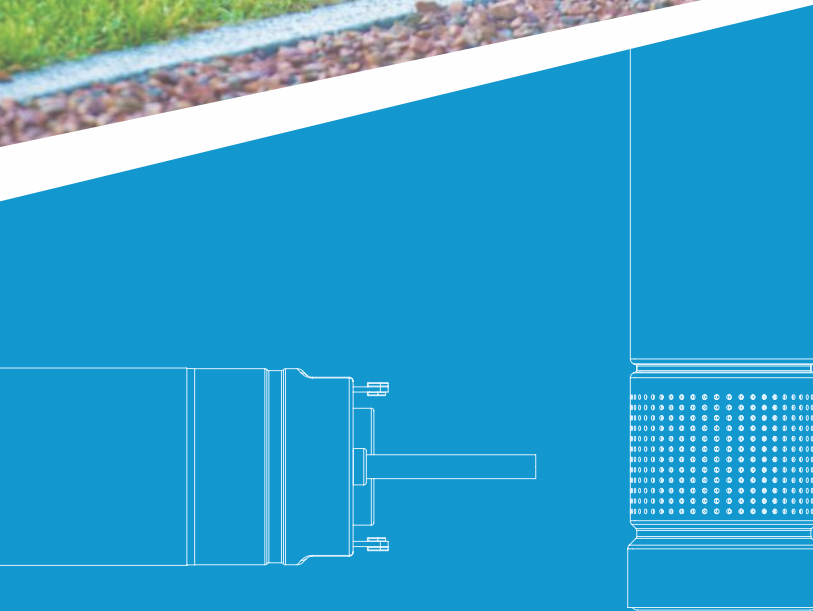


**NS-H SERIES**



# 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)



**50/60Hz**

**PRODUCT CATALOGUE**

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## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

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## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

**PUMP SIZE: 3"**

**GENERAL DATA**

**5 GPM to 40 GPM**

### FEATURES

- ▶ Ultra-high energy efficiency permanent magnet motor with built in frequency converter.
- ▶ Motor speed of 8000RPM provides higher performance from a small diameter pump with low number of stages.
- ▶ Extra light weight and slim pump for 3" deep well as well as for restricted diameter 4" deep wells.
- ▶ Smaller size of 3"deep wells considerably saves on time in drilling and overall cost of installation.
- ▶ Soft start Operation reduces starting current and offers a smooth start up increasing reliability and life of the pump.
- ▶ Wide voltage range of 140-280V, for 60 Hz or 50 Hz power supply.
- ▶ Built in Over voltage, Under voltage, Overload, Over temperature and Dry running protection.
- ▶ Good resistance against sand erosion due to special impeller material.
- ▶ Motor design is shielded without mechanical seal, providing long, maintenance free life.
- ▶ Force convection water cooling on the outside motor surface from the pumped water.
- ▶ Suitable for temperatures up to 55°C.

### APPLICATIONS

- ▶ Residential
- ▶ Small Irrigation

### OPERATING RANGE & CONDITIONS

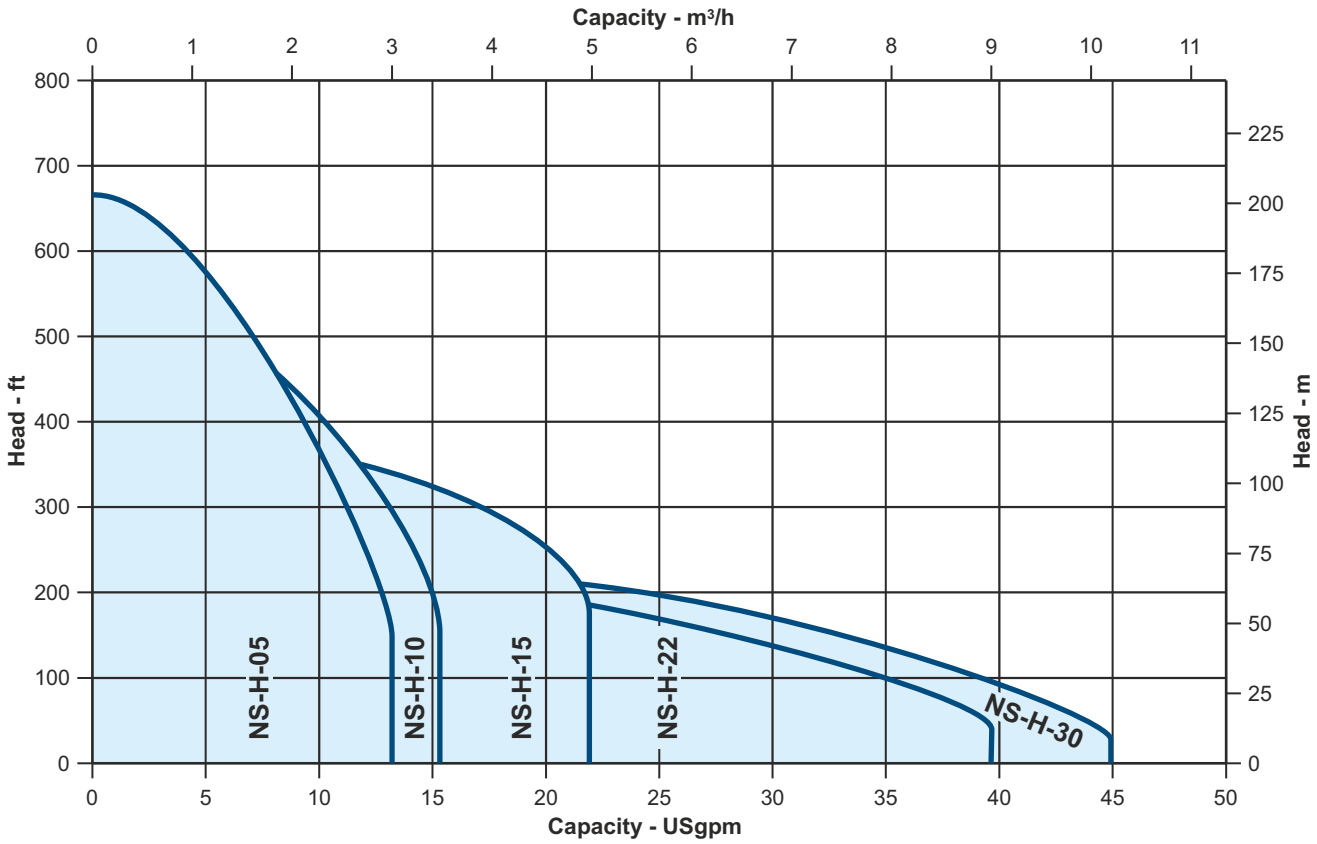
Flow upto	40 Usgpm
Head upto	650 feet
HP range	1 and 2 HP
Maximum Liquid Temp	86°F
Delivery Connection	1-1/4" NPT and 1-1/2" NPT Threaded

## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

**PUMP SIZE: 3"**

**PERFORMANCE RANGE**

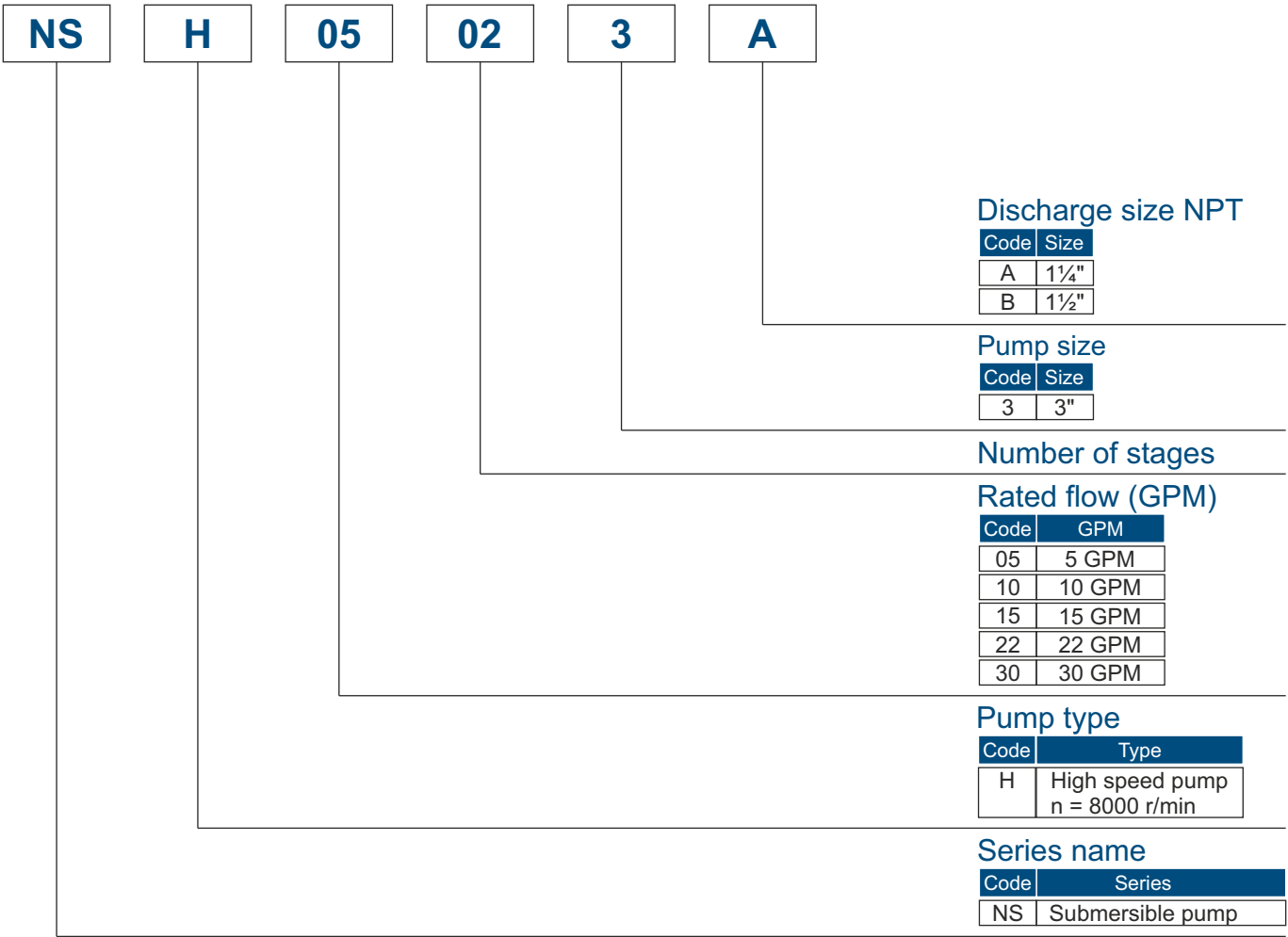
**5 GPM to 30 GPM**



Pump Size	Model Name	Rated Flow
3" PUMP	NS-H-05	5 GPM
3" PUMP	NS-H-10	10 GPM
3" PUMP	NS-H-15	15 GPM
3" PUMP	NS-H-22	22 GPM
3" PUMP	NS-H-30	30 GPM

## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

**PUMP SIZE: 3"      MODEL CODE      5 GPM to 30 GPM**



**Example:**

**NS-H-05-02-3-A** = Submersible pump, High speed pump n = 8000 rpm, 5 GPM, 2 stages, 3" Pump, 1¼" Discharge size.

## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

**PUMP SIZE: 3"**

**ORDER INFORMATION**

**5 GPM to 30 GPM**

GPM	STAGES	MOTOR JOINING SIZE	ORDER NO. / MODEL CODE
5	02	3"	NS-H-05-02-3-A
	03	3"	NS-H-05-03-3-A
	04	3"	NS-H-05-04-3-A
	05	3"	NS-H-05-05-3-A
	06	3"	NS-H-05-06-3-A
	07	3"	NS-H-05-07-3-A
	08	3"	NS-H-05-08-3-A
	09	3"	NS-H-05-09-3-A
10	02	3"	NS-H-10-02-3-A
	03	3"	NS-H-10-03-3-A
	04	3"	NS-H-10-04-3-A
	05	3"	NS-H-10-05-3-A
	06	3"	NS-H-10-06-3-A
	07	3"	NS-H-10-07-3-A
15	02	3"	NS-H-15-02-3-A
	03	3"	NS-H-15-03-3-A
	04	3"	NS-H-15-04-3-A
	05	3"	NS-H-15-05-3-A
	06	3"	NS-H-15-06-3-A
22	01	3"	NS-H-22-01-3-B
	02	3"	NS-H-22-02-3-B
	03	3"	NS-H-22-03-3-B
	04	3"	NS-H-22-04-3-B
30	01	3"	NS-H-30-01-3-B
	02	3"	NS-H-30-02-3-B
	03	3"	NS-H-30-03-3-B
	04	3"	NS-H-30-04-3-B

## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

MODEL NAME: NS-H-05

SELECTION CHART

5 GPM

RATINGS ARE IN GALLONS PER MINUTE (GPM)

HP	Stage	Amps	PSI	Depth to pumping water level (Lift) in feet																								
				20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	350	400	450	500	600	700	800			
1	2	3.5	0	12.8	11.0	9.0	7.0	4.5																				
			20	10.5	8.5	6.2	3.5																					
			30	8.4	5.8																							
			40	5.5																								
			50																									
			60																									
Shut-off PSI			54	45	37	28	19	11																				
1	3	5	0		12.4	11.0	9.6	8.3	6.8	5.3	3.7																	
			20	12.0	10.6	9.2	7.7	6.3	4.8																			
			30	11.8	10.5	9.0	7.6	6.1	4.6																			
			40	10.2	8.7	7.4	5.9	4.4																				
			50	8.5	7.2	5.6	4.1																					
			60	7.0	5.5	3.8																						
Shut-off PSI			89	81	72	63	55	46	37	29	20	11																
1	4	6.5	0		12.6	11.8	11.0	10.0	8.8	7.8	6.8	5.6	4.3															
			20		12.5	11.6	10.6	9.6	8.5	7.5	6.5	5.3	3.8															
			30		12.3	11.4	10.5	9.5	8.4	7.3	6.3	5.0	3.5															
			40	12.2	11.3	10.3	9.3	8.2	7.2	6.2	5.0	3.2																
			50	11.2	10.2	9.2	8.0	7.0	6.0	4.8																		
			60	10.0	9.0	7.8	6.8	5.8	4.5																			
Shut-off PSI			119	111	102	93	85	76	67	59	50	41	33	24	15													
1	5	8	0		12.9	12.2	11.4	10.5	9.8	8.9	8.2	7.4	6.6	5.8														
			20		12.7	11.9	11.1	10.4	9.5	8.8	7.9	7.1	6.3	5.5	4.5	3.3												
			30		12.5	11.8	11.0	10.2	9.4	8.5	7.8	7.0	6.2	5.5	4.4	3.2												
			40		12.5	11.7	10.9	10.0	9.3	8.5	7.7	6.9	6.1	5.3	4.2													
			50	12.4	11.5	10.8	10.0	9.2	8.3	7.5	6.7	6.0	5.1	4.0														
			60	11.5	10.6	9.9	9.0	8.2	7.5	6.6	5.8	5.0	3.9															
Shut-off PSI			152	143	135	126	117	109	100	91	83	74	65	57	48	39	31											
2	6	9.5	0		13.0	12.4	11.7	11.1	10.4	9.8	9.2	8.6	8.0	6.3	4.2													
			20		12.8	12.2	11.5	10.8	10.3	9.7	9.0	8.4	7.7	7.1	6.5	4.5												
			30		12.8	12.0	11.5	10.8	10.1	9.5	8.8	8.3	7.7	7.0	6.3	5.6	3.2											
			40		12.7	12.0	11.4	10.8	10.1	9.5	8.8	8.2	7.6	6.8	6.3	5.5	4.5											
			50	12.5	11.9	11.3	10.6	10.0	9.3	8.7	8.1	7.4	6.8	6.1	5.4	4.5	3.4											
			60	12.5	11.8	11.2	10.5	9.8	9.3	8.6	8.0	7.4	6.7	6.0	5.2	4.3	3.1											
Shut-off PSI			181	173	164	155	147	138	129	121	112	103	95	86	77	68	60	38	16									
2	7	11	0		12.5	11.9	11.3	10.7	10.2	9.6	9.1	7.8	6.5	5.0														
			20		13.0	12.3	11.8	11.1	10.5	10.0	9.4	8.9	8.4	7.9	6.6	5.2												
			30		12.8	12.2	11.6	11.1	10.5	9.9	9.4	8.8	8.3	7.8	7.3	6.0	4.2											
			40		12.7	12.1	11.5	10.9	10.4	9.8	9.3	8.8	8.2	7.7	7.2	6.7	5.3	3.1										
			50		12.6	12.0	11.5	10.9	10.3	9.8	9.2	8.7	8.2	7.6	7.1	6.6	6.1	4.5										
			60	12.6	11.9	11.4	10.8	10.2	9.7	9.2	8.6	8.1	7.6	7.0	6.6	6.0	5.5	3.3										
Shut-off PSI			207	198	189	181	172	163	155	146	137	129	120	111	103	94	72	51	29	7								
2	8	12.5	0		12.7	12.3	11.8	11.2	10.8	10.3	9.0	7.8	6.5	5.3														
			20		12.6	12.1	11.6	11.1	10.5	10.0	9.4	8.9	8.4	7.9	6.6	5.3												
			30		13.0	12.5	12.0	11.5	11.0	10.5	10.0	9.5	9.0	8.5	7.4	6.2	4.8											
			40		12.9	12.4	11.9	11.5	11.0	10.5	10.0	9.5	9.0	8.5	8.0	6.8	5.5	3.8										
			50		12.3	11.8	11.4	10.9	10.4	9.8	9.3	8.9	8.3	7.9	7.4	6.2	4.9											
			60	12.8	12.3	11.8	11.3	10.8	10.2	9.7	9.3	8.8	8.2	7.8	7.3	6.8	5.7	4.0										
Shut-off PSI			230	221	213	204	195	187	178	169	161	152	143	135	126	104	83	61	39									
2	9	14	0		12.5	12.1	11.6	11.2	10.0	8.8	7.7	6.7	5.8	4.3														
			20		12.8	12.4	12.0	11.5	11.0	10.6	10.1	9.0	7.8	6.8	5.8													
			30		12.8	12.3	11.9	11.5	11.0	10.5	10.0	9.5	8.4	7.3	6.4	5.2												
			40		12.7	12.3	11.8	11.4	10.9	10.4	10.0	9.5	9.0	7.9	6.9	5.8	4.5											
			50		12.7	12.2	11.8	11.3	10.8	10.3	9.9	9.4	8.9	8.5	7.5	6.4	5.3	3.8										
			60	13.0	12.5	12.0	11.6	11.2	10.8	10.3	9.8	9.4	8.9	8.4	8.0	7.0	6.0	4.7										
Shut-off PSI			254	245	237	228	219	211	202	193	185	176	167	159	137	115	94	72	29									

MOST EFFICIENT OPERATING RANGE.  
 PERFORMANCES ARE SUBJECT TO PERIODIC CHANGES DUE TO CONTINUOUS IMPROVEMENTS.



## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

MODEL NAME: NS-H-10

SELECTION CHART

10 GPM

RATINGS ARE IN GALLONS PER MINUTE (GPM)

HP	Stage	Amps	PSI	Depth to pumping water level (Lift) in feet																							
				20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	350	400	450	500	600	700	800		
1	2	4.5	0			14.5	13.0	11.4	9.0	5.0																	
			20	14.1	12.6	10.8	8.2																				
			30	12.4	10.5	7.8																					
			40	10.0	7.1																						
			50	6.2																							
			60																								
Shut-off PSI			55	47	38	29	21	12	3																		
1	3	6.5	0				15.0	14.3	13.4	12.3	11.2	9.8	7.6														
			20			14.0	13.1	12.0	10.7	9.3	7.0																
			30	14.7	14.0	13.0	11.8	10.5	8.9	6.5																	
			40	13.8	12.8	11.8	10.4	8.5	5.6																		
			50	12.6	11.6	10.2	8.1	5.0																			
			60	11.3	10.0	8.0	3.8																				
Shut-off PSI			88	79	71	62	53	45	36	27	19	10	1														
1	4	8.5	0					14.7	14.1	13.3	12.5	11.5	10.3	9.0	7.3	4.8											
			20				14.5	13.8	13.0	12.2	11.2	10.0	8.6	6.8	3.8												
			30		15.1	14.4	13.8	13.0	12.0	11.0	9.8	8.5	6.5														
			40	15.0	14.4	13.5	12.8	11.9	10.8	9.5	8.0	6.0															
			50	14.3	13.5	12.6	11.6	10.6	9.5	7.8	5.5																
			60	13.4	12.5	11.5	10.5	9.2	7.5	4.8																	
Shut-off PSI			119	110	101	93	84	75	67	58	49	41	32	23	15	6											
2	5	10	0						14.9	14.4	13.8	13.2	12.5	11.9	11.2	10.3	9.4	5.0									
			20				14.8	14.2	13.6	13.0	12.3	11.6	10.9	10.0	8.9	7.5											
			30				14.7	14.1	13.5	13.0	12.3	11.5	10.9	9.8	8.8	7.5	5.4										
			40		15.1	14.6	14.0	13.5	12.8	12.2	11.5	10.6	9.6	8.5	7.0	4.5											
			50	15.0	14.5	14.0	13.4	12.6	12.0	11.3	10.6	9.5	8.5	6.8	4.0												
			60	14.5	13.8	13.3	12.5	12.0	11.2	10.4	9.5	8.2	6.5	3.2													
Shut-off PSI			149	141	132	123	115	106	97	89	80	71	63	54	45	36	28	6									
2	6	12	0							15.1	14.8	14.3	13.8	13.4	12.9	12.3	11.7	10.0	7.3								
			20						15.0	14.6	14.2	13.7	13.2	12.7	12.1	11.5	11.0	10.3	7.5								
			30					15.0	14.5	14.0	13.6	13.1	12.6	12.0	11.5	10.9	10.2	9.2	5.0								
			40				14.9	14.5	14.0	13.5	13.0	12.5	11.9	11.4	10.7	10.0	9.1	7.8									
			50		15.2	14.8	14.4	14.0	13.5	13.0	12.5	11.9	11.3	10.7	9.8	8.8	7.6	5.6									
			60	15.2	14.7	14.3	13.8	13.4	12.9	12.3	11.8	11.2	10.5	9.7	8.8	7.4	5.0										
Shut-off PSI			179	170	162	153	144	136	127	118	110	101	92	84	75	66	58	36	14								
2	7	14	0								15.0	14.6	14.3	13.9	13.5	13.0	11.8	10.3	8.4	3.5							
			20								14.9	14.5	14.1	13.7	13.3	12.9	12.4	11.8	10.5	8.5	4.5						
			30						15.2	14.8	14.5	14.1	13.7	13.3	12.8	12.3	11.8	11.3	9.6	7.3							
			40					15.1	14.7	14.4	14.0	13.6	13.2	12.8	12.3	11.7	11.2	10.5	8.8	5.0							
			50				15.0	14.7	14.4	13.9	13.5	13.1	12.6	12.1	11.6	11.1	10.5	9.9	7.5								
			60				15.0	14.6	14.3	13.9	13.5	13.0	12.5	12.0	11.5	11.0	10.4	9.8	9.0	5.5							
Shut-off PSI					193	184	176	167	158	150	141	132	124	115	106	98	89	67	46	24	2						

MOST EFFICIENT OPERATING RANGE.  
 PERFORMANCES ARE SUBJECT TO PERIODIC CHANGES DUE TO CONTINUOUS IMPROVEMENTS.

## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

MODEL NAME: NS-H-15

SELECTION CHART

15 GPM

RATINGS ARE IN GALLONS PER MINUTE (GPM)

HP	Stage	Amps	PSI	Depth to pumping water level (Lift) in feet																								
				20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	350	400	450	500	600	700	800			
1	2	5.5	0				19.7	16.0	10.6																			
			20	21.7	18.8	15.0	8.0																					
			30	18.3	14.0																							
			40	13.3																								
			50																									
			60																									
Shut-off PSI				49	40	32	23	14	6																			
1	3	6.5	0				21.8	19.5	17.2	14.5	11.5	7.5																
			20		21.2	19.0	16.5	13.5	10.0	6.1																		
			30	20.9	18.5	16.0	13.0	9.7	5.8																			
			40	18.2	15.5	12.5	9.0																					
			50	15.0	12.0	8.4																						
			60	11.5	7.8																							
Shut-off PSI				84	76	67	58	50	41	32	24	15	6															
2	4	10	0								20.6	19.2	17.5	15.9	14.0	11.4	5.8											
			20					21.6	20.2	18.6	17.0	15.3	13.3	10.5														
			30					21.5	20.0	18.5	16.8	15.0	12.9	10.0														
			40					21.2	19.8	18.2	16.5	14.7	12.5	9.0														
			50					20.9	19.6	17.9	16.2	14.4	12.2	8.0														
			60	20.7	19.4	17.6	16.0	13.9	11.7	7.0																		
Shut-off PSI				116	107	98	90	81	72	64	55	46	38	29	20	12	3											
2	5	12	0									21.5	20.7	19.9	19.0	18.0	16.9	15.5	7.5									
			20									21.2	20.5	19.7	18.8	17.8	16.5	15.0	12.5	8.5								
			30									21.2	20.4	19.5	18.6	17.6	16.4	14.6	12.0	7.2								
			40									21.7	21.0	20.3	19.4	18.5	17.4	16.1	14.4	11.7	6.5							
			50									21.6	20.9	20.1	19.2	18.3	17.2	15.9	13.9	11.2								
			60									21.4	20.7	20.0	19.1	18.2	17.0	15.6	13.6	10.5								
Shut-off PSI				140	131	122	114	105	96	88	79	70	62	53	44	36	27	5										
2	6	13	0													21.4	20.2	18.8	17.3	12.0								
			20														21.0	19.8	18.4	16.8	15.0	12.4						
			30														20.8	19.6	18.1	16.5	14.5	12.0	8.3					
			40														21.7	20.5	19.4	17.8	16.4	14.1	11.5	7.3				
			50														21.5	20.6	19.2	17.6	16.0	13.8	11.0	7.2				
			60														21.5	20.2	19.0	17.5	15.8	13.4	10.4	6.0				
Shut-off PSI																												

MOST EFFICIENT OPERATING RANGE.  
 PERFORMANCES ARE SUBJECT TO PERIODIC CHANGES DUE TO CONTINUOUS IMPROVEMENTS.

## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

MODEL NAME: NS-H-22

SELECTION CHART

22 GPM

RATINGS ARE IN GALLONS PER MINUTE (GPM)

HP	Stage	Amps	PSI	Depth to pumping water level (Lift) in feet																								
				20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	350	400	450	500	600	700	800			
1	1	3.5	0	35.0	24.0																							
			20																									
			30																									
			40																									
			50																									
			60																									
Shut-off PSI				17	8																							
1	2	5.5	0		36.8	32.8	28.0	21.0																				
			20	31.5	26.2	18.0																						
			30	25.0	16.0																							
			40	15.0																								
			50																									
			60																									
Shut-off PSI				44	35	27	18	9																				
2	3	9.5	0		39.1	36.5	33.5	30.5	26.6	22.5	16.8																	
			20	35.5	32.7	29.4	25.5	20.5	15.0																			
			30	32.0	28.8	25.0	19.8	13.8																				
			40	28.0	24.0	19.0	13.0																					
			50	23.5	18.4	11.5																						
			60	17.5																								
Shut-off PSI				73	64	56	47	38	30	21	12																	
2	4	12	0				37.0	34.5	32.2	29.5	26.5	23.2	19.0	14.5														
			20			34.0	31.5	28.5	25.5	21.6	17.6	13.0																
			30		33.5	31.0	28.0	25.0	21.0	17.0	12.0																	
			40	33.0	30.5	27.6	24.5	20.6	16.2	11.0																		
			50	30.0	27.5	24.0	20.0	15.5	10.2																			
			60	26.8	23.5	19.3	14.8																					
Shut-off PSI				103	94	86	77	68	60	51	42	34	25	16														

**MOST EFFICIENT OPERATING RANGE.**  
 PERFORMANCES ARE SUBJECT TO PERIODIC CHANGES DUE TO CONTINUOUS IMPROVEMENTS.

## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

MODEL NAME: NS-H-30

SELECTION CHART

30 GPM

RATINGS ARE IN GALLONS PER MINUTE (GPM)

HP	Stage	Amps	PSI	Depth to pumping water level (Lift) in feet																								
				20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	350	400	450	500	600	700	800			
1	1	4	0	39.0	27.0																							
			20																									
			30																									
			40																									
			50																									
			60																									
Shut-off PSI			17	8																								
1	2	7.5	0	44.2	40.5	35.5	29.2	20.5																				
			20	33.6	27.5	17.0																						
			30	26.2	15.0																							
			40																									
			50																									
			60																									
Shut-off PSI			41	32	24	15	6																					
2	3	11	0		43.8	40.9	37.5	34.0	30.2	25.7	19.0																	
			20	39.9	36.7	33.0	29.0	24.0	16.0																			
			30	36.0	32.5	28.5	23.0	14.0																				
			40	32.0	27.6	22.0	12.0																					
			50	27.0	20.8																							
			60	19.5																								
Shut-off PSI			70	61	52	44	35	26	18	9																		
2	4	15	0			43.2	41.5	39.5	37.0	34.0	31.4	28.0	23.8	18.2														
			20	42.8	40.8	38.5	36.0	33.2	30.5	27.0	22.2	16.0																
			30	40.5	38.3	35.5	33.0	29.8	26.2	21.3	15.0																	
			40	37.8	35.2	32.5	29.3	25.7	20.5	13.8																		
			50	35.0	32.0	29.0	25.0	19.5	11.7																			
			60	31.5	28.3	24.2	18.6	10.4																				
Shut-off PSI			98	89	81	72	63	55	46	37	29	20	11															

**MOST EFFICIENT OPERATING RANGE.**  
 PERFORMANCES ARE SUBJECT TO PERIODIC CHANGES DUE TO CONTINUOUS IMPROVEMENTS.

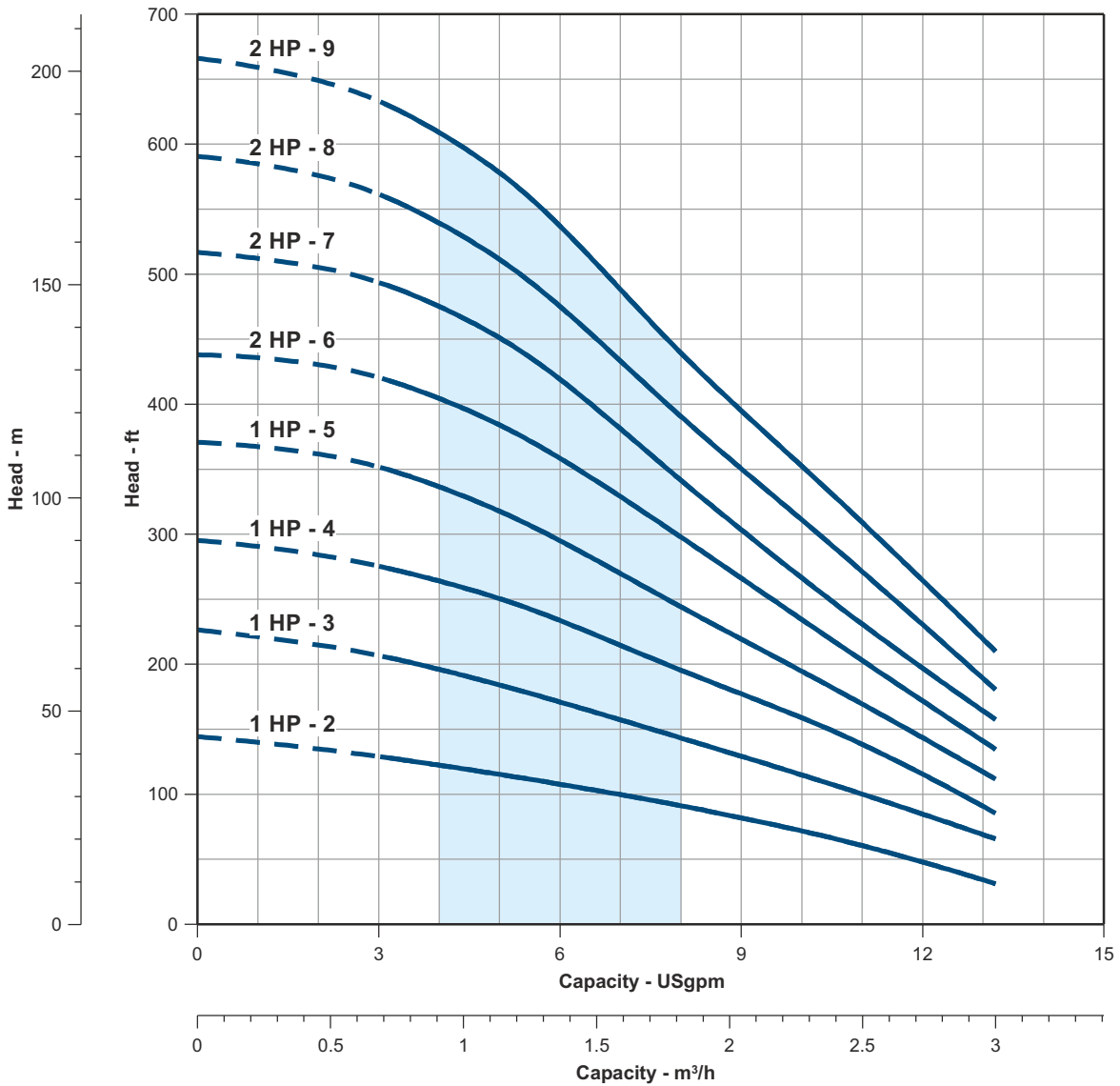
## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

**MODEL NAME: NS-H-05**

**PERFORMANCE CURVE**

**5 GPM**

Nominal RPM	8000
Curve based on clear water @	68°F



■ BEST EFFICIENCY REGION  
— RECOMMENDED PUMP OPERATING RANGE  
 PERFORMANCE BASED ON TEST ACCEPTANCE - ISO 9906:2012 3B.  
 PERFORMANCES ARE SUBJECT TO PERIODIC CHANGES DUE TO CONTINUOUS IMPROVEMENTS.

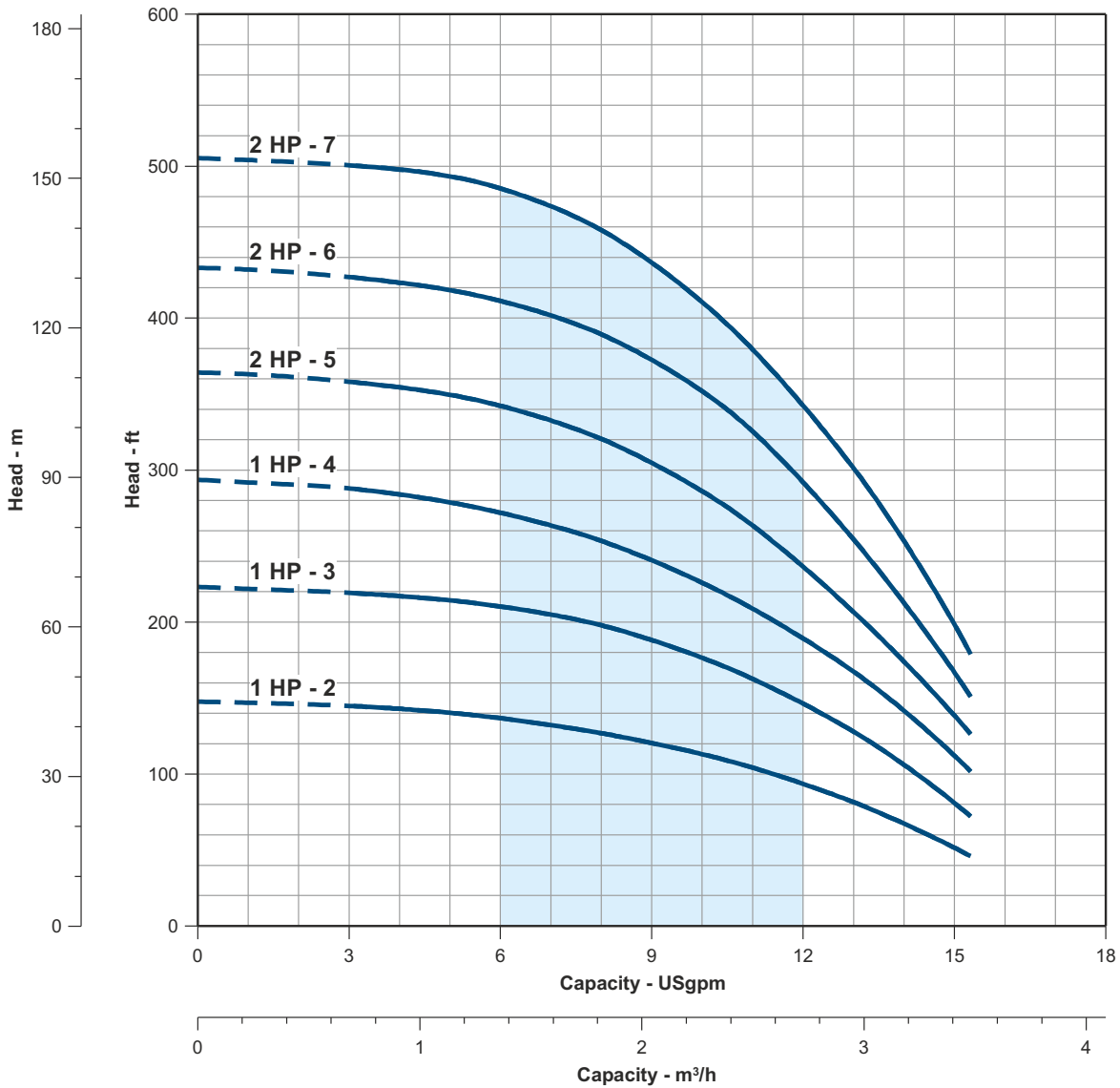
## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

**MODEL NAME: NS-H-10**

**PERFORMANCE CURVE**

**10 GPM**

Nominal RPM	8000
Curve based on clear water @	68°F



■ BEST EFFICIENCY REGION  
— RECOMMENDED PUMP OPERATING RANGE  
 PERFORMANCE BASED ON TEST ACCEPTANCE - ISO 9906:2012 3B.  
 PERFORMANCES ARE SUBJECT TO PERIODIC CHANGES DUE TO CONTINUOUS IMPROVEMENTS.

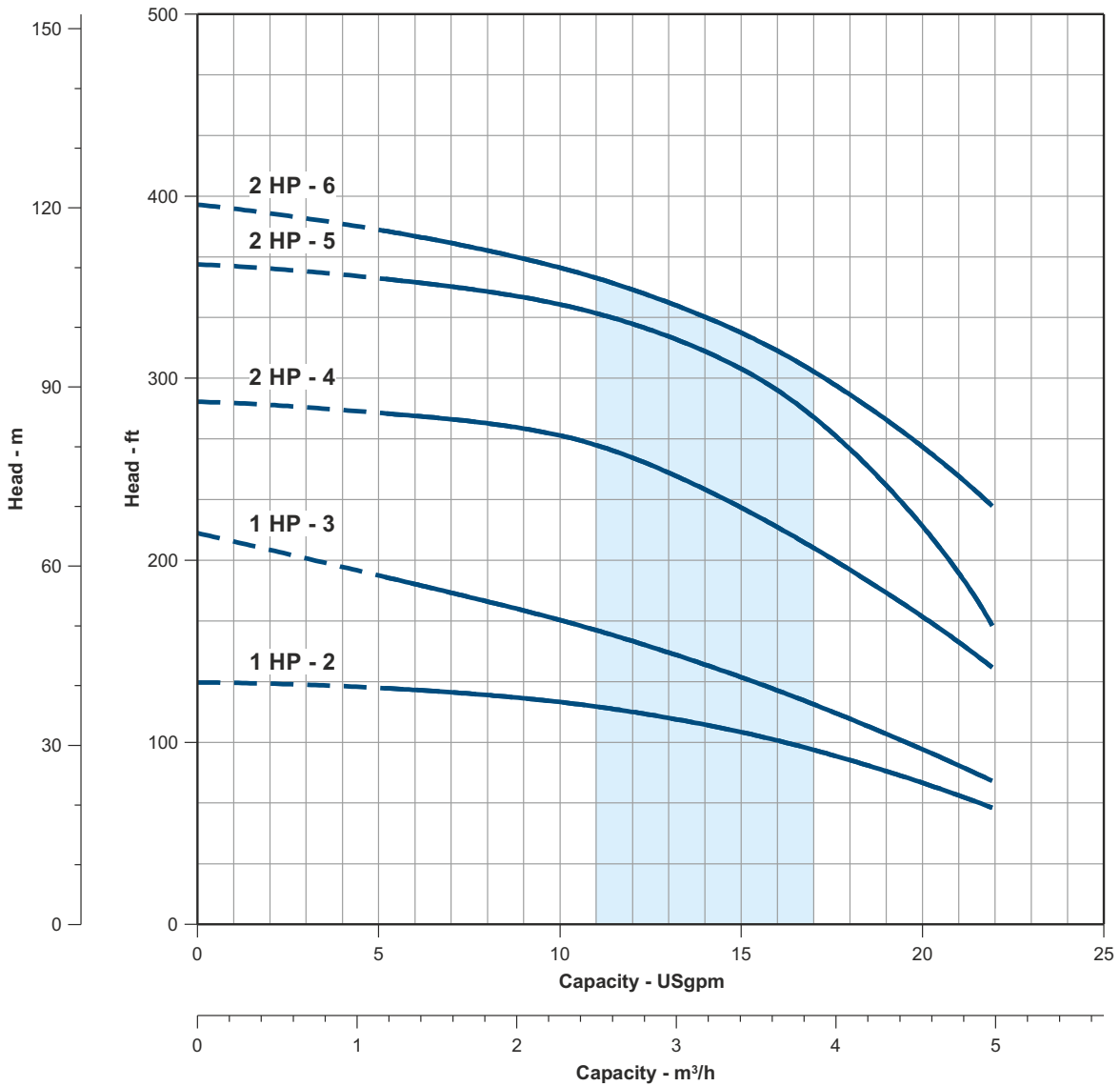
## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

**MODEL NAME: NS-H-15**

**PERFORMANCE CURVE**

**15 GPM**

Nominal RPM	8000
Curve based on clear water @	68°F



BEST EFFICIENCY REGION  
 RECOMMENDED PUMP OPERATING RANGE  
 PERFORMANCE BASED ON TEST ACCEPTANCE - ISO 9906:2012 3B.  
 PERFORMANCES ARE SUBJECT TO PERIODIC CHANGES DUE TO CONTINUOUS IMPROVEMENTS.

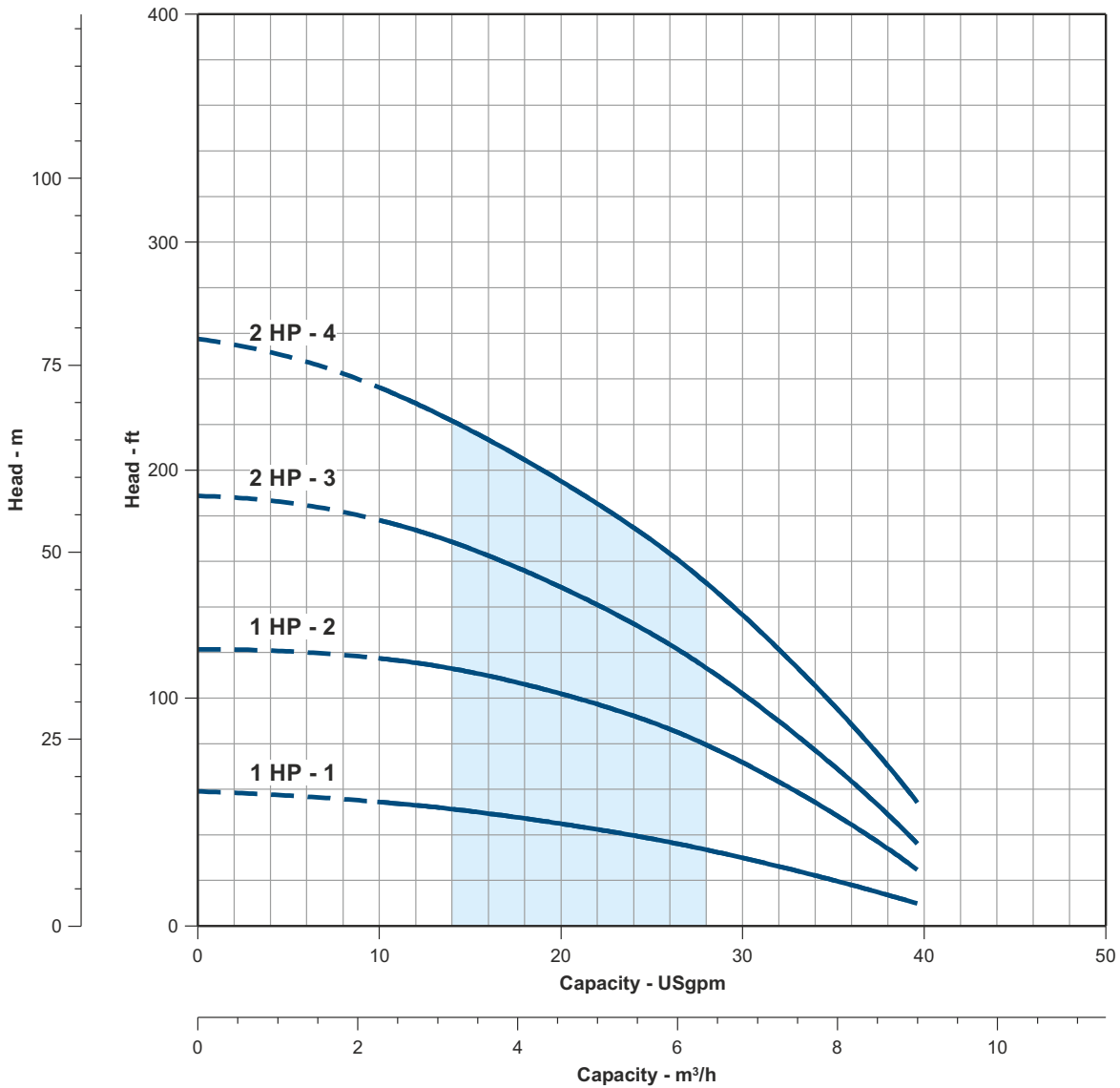
## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

**MODEL NAME: NS-H-22**

**PERFORMANCE CURVE**

**22 GPM**

Nominal RPM	8000
Curve based on clear water @	68°F



■ BEST EFFICIENCY REGION  
— RECOMMENDED PUMP OPERATING RANGE  
 PERFORMANCE BASED ON TEST ACCEPTANCE - ISO 9906:2012 3B.  
 PERFORMANCES ARE SUBJECT TO PERIODIC CHANGES DUE TO CONTINUOUS IMPROVEMENTS.



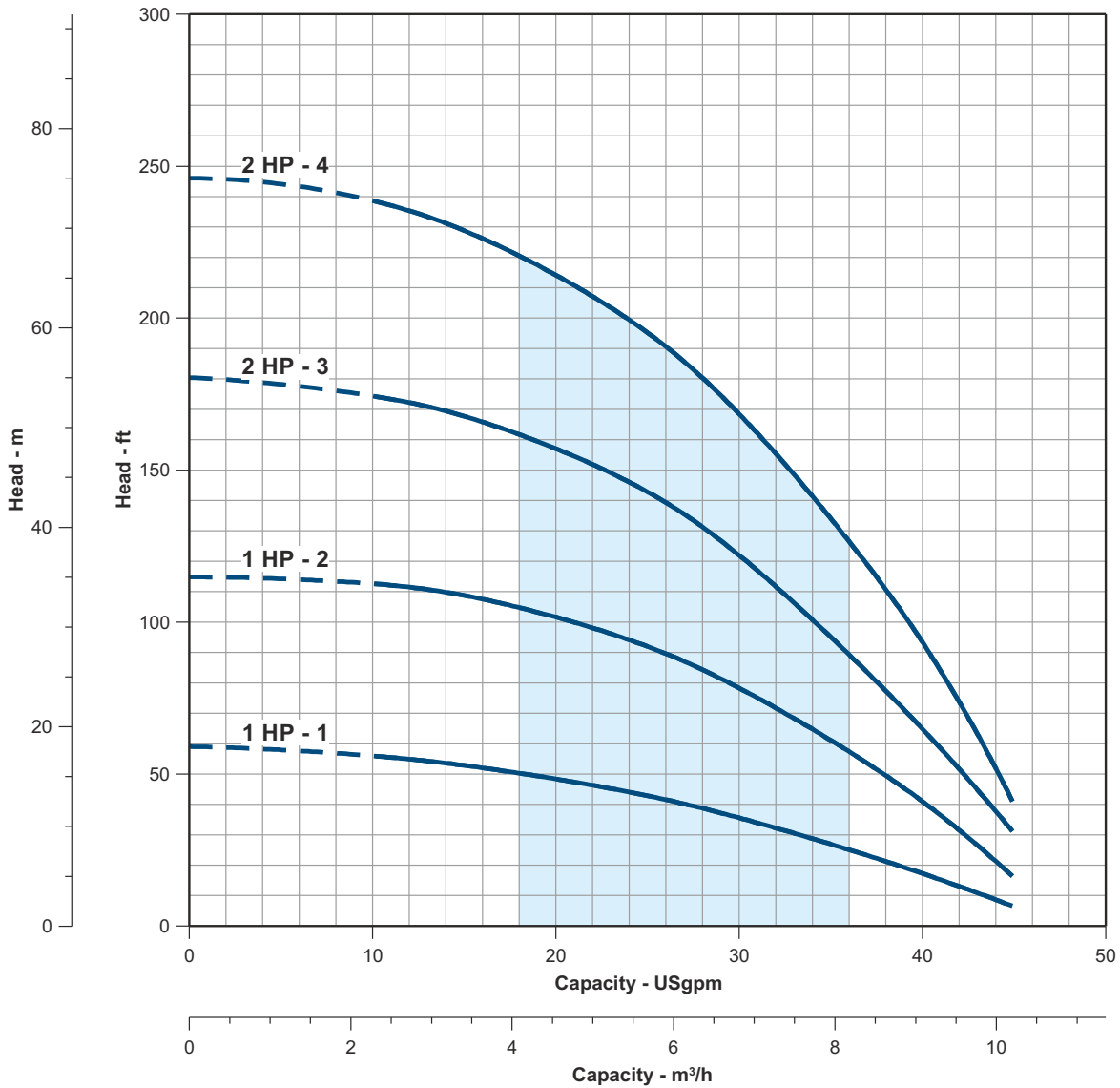
## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

MODEL NAME: NS-H-30

PERFORMANCE CURVE

30 GPM

Nominal RPM	8000
Curve based on clear water @	68°F



BEST EFFICIENCY REGION  
 RECOMMENDED PUMP OPERATING RANGE  
 PERFORMANCE BASED ON TEST ACCEPTANCE - ISO 9906:2012 3B.  
 PERFORMANCES ARE SUBJECT TO PERIODIC CHANGES DUE TO CONTINUOUS IMPROVEMENTS.

## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

**PUMP SIZE: 3"**

**DIMENSIONS**

**5 GPM to 30 GPM**

**MODEL NAME: NS-H-05**

**5 GPM**

HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter	L [inch]	WEIGHT [lbs]
1	2	3	1¼ NPT	3.00	27.17	13
1	3	3	1¼ NPT	3.00	28.15	14
1	4	3	1¼ NPT	3.00	29.13	14
1	5	3	1¼ NPT	3.00	30.12	14
2	6	3	1¼ NPT	3.00	32.09	15
2	7	3	1¼ NPT	3.00	33.07	15
2	8	3	1¼ NPT	3.00	34.06	15
2	9	3	1¼ NPT	3.00	35.04	16

**MODEL NAME: NS-H-10**

**10 GPM**

HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter	L [inch]	WEIGHT [lbs]
1	2	3	1¼ NPT	3.00	27.17	13
1	3	3	1¼ NPT	3.00	28.15	14
1	4	3	1¼ NPT	3.00	29.13	14
2	5	3	1¼ NPT	3.00	30.71	15
2	6	3	1¼ NPT	3.00	32.09	15
2	7	3	1¼ NPT	3.00	33.07	15

**MODEL NAME: NS-H-15**

**15 GPM**

HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter	L [inch]	WEIGHT [lbs]
1	2	3	1¼ NPT	3.00	27.36	13
1	3	3	1¼ NPT	3.00	28.54	14
2	4	3	1¼ NPT	3.00	30.31	15
2	5	3	1¼ NPT	3.00	31.50	15
2	6	3	1¼ NPT	3.00	32.68	15

**MODEL NAME: NS-H-22**

**22 GPM**

HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter	L [inch]	WEIGHT [lbs]
1	1	3	1½ NPT	3.00	26.77	13
1	2	3	1½ NPT	3.00	28.35	13
2	3	3	1½ NPT	3.00	29.92	14
2	4	3	1½ NPT	3.00	32.09	14

**MODEL NAME: NS-H-30**

**30 GPM**

HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter	L [inch]	WEIGHT [lbs]
1	1	3	1½ NPT	3.00	26.77	13
1	2	3	1½ NPT	3.00	28.35	13
2	3	3	1½ NPT	3.00	30.51	14
2	4	3	1½ NPT	3.00	32.51	14

## 3" DEEP WELL SUBMERSIBLE PUMPS (8000 RPM)

1 HP to 2 HP

TECHNICAL DATA

5 GPM to 30 GPM

### TANK SIZING

CUT-IN / CUT-OUT psi	NSH-05	NSH-10	NSH-15	NSH-22	NSH-30
	5 GPM	10 GPM	15 GPM	22 GPM	30 GPM
	TANK SIZE IN GPM				
20/40	4	10	14	14	20
30/50	4	10	14	20	20
40/60	4	10	14	20	-
50/70	4	14	14	20	-
60/80	4	14	14	20	-

### CABLE SIZING

HP	VOLTS	AMPS	PHASE		CABLE SIZE [AWG]						
					14	12	10	8	6	4	2
1	230	11.2	1	MAXIMUM CABLE LENGTH [FEET]	311	494	735	1205	1881	2836	3821
2	230	19.6	1		178	282	420	689	1075	1621	2184

ABOVE CABLE LENGTH CALCULATION ARE BASED ON 230V, IT MAY VARY FOR 115V.











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*Product Improvement and changes are a continuous process at 'Northam'. The data given in this publication is therefore subject to revision.*