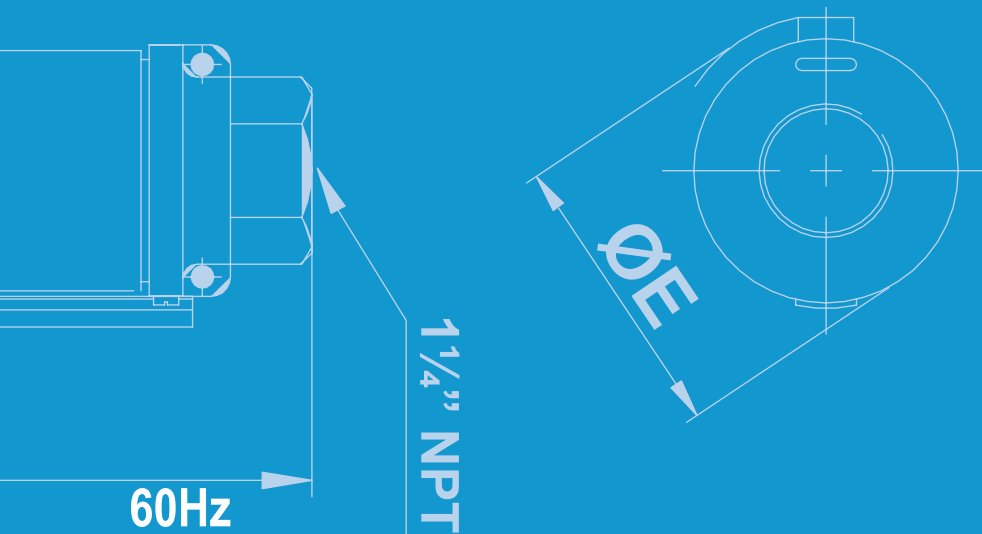


NS-E SERIES



GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

WITH STAINLESS STEEL END BELLS



PRODUCT CATALOGUE

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GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

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GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

PUMP SIZE: 4"

GENERAL DATA

5 GPM to 75 GPM

FEATURES

- ▶ Abrasion-resistant construction. Stainless steel bowl casing combined with front wear plate on floating impeller, ensures optimum resistance to abrasion.
- ▶ The suction case & discharge head are made of precision cast stainless steel, ensuring resistance to corrosion, durability and a sturdy coupling to the motor.
- ▶ Stainless steel oversized pump shaft guarantees an effective impeller drive.
- ▶ A stainless steel non-return valve is fitted in the discharge to prevent any back flow of water and alleviate any water hammer to the pump, thus safeguarding impellers & diffusers.
- ▶ These pumps can be coupled to either the 4" or 6" Water Filled rewindable or Encapsulated or Oil Filled submersible motors.
- ▶ Units have left hand threads and are field serviceable with common tools and readily available repair parts.
- ▶ Face clearance and floating impeller stack provides itself as a superior sand handling, durable pump design.
- ▶ Impellers, diffusers and bearing spiders are constructed of corrosion resistant glass reinforced engineering composite material.
- ▶ The proprietary, engineered polymer bearing material is strong and resistant to abrasion & wear. The enclosed intermediate and upper bearing is mounted in a durable glass reinforced thermoplastic bearing spider for excellent abrasion resistance.
- ▶ Easy access to motor mounting nuts using standard open end wrench.
- ▶ Stainless steel casing is strong and corrosion resistant.

APPLICATIONS

- ▶ Residential
- ▶ Irrigation
- ▶ Industrial

OPERATING RANGE & CONDITIONS

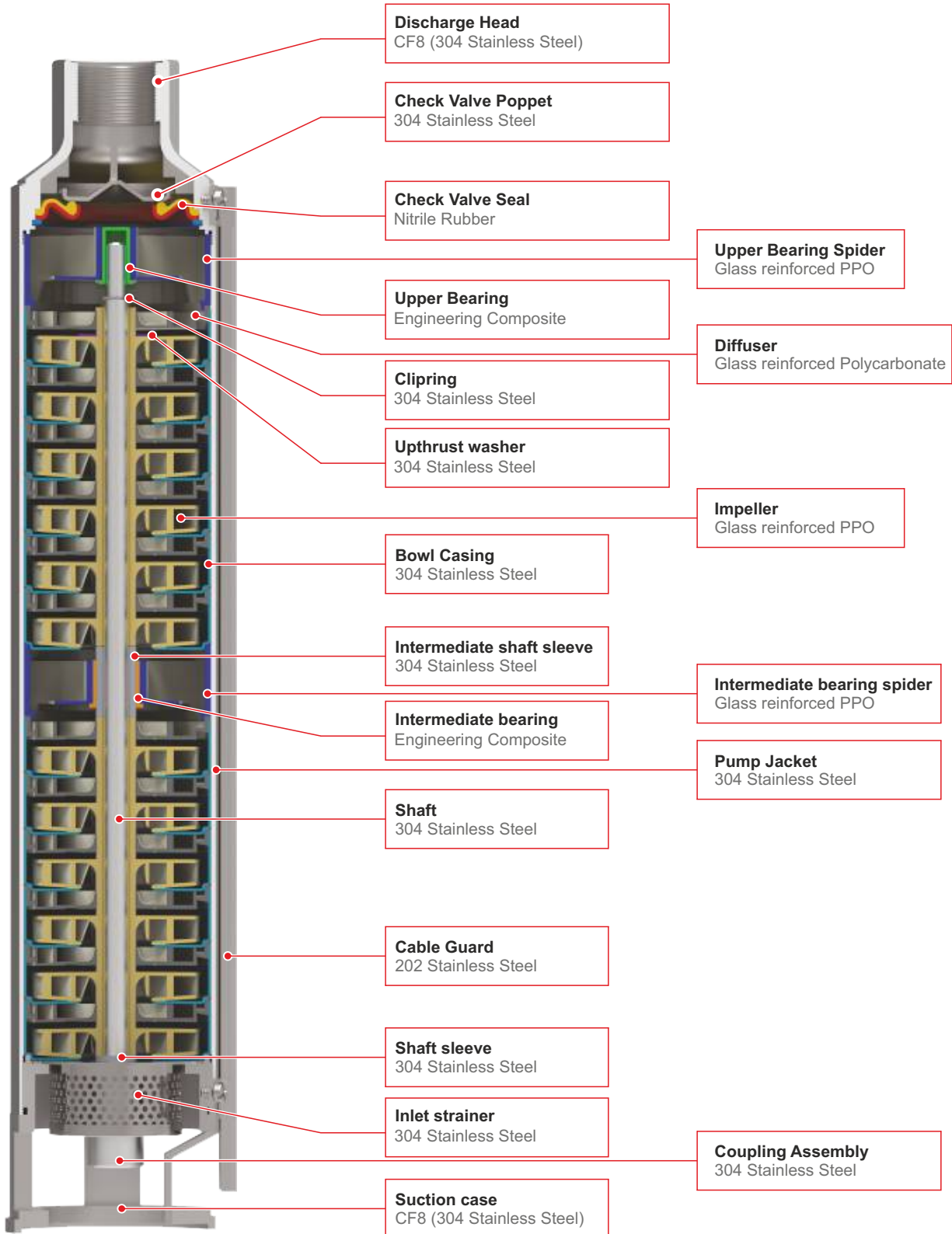
	4" Pump
Flow ratings	5, 7, 10, 13, 18, 25, 33, 55 & 75 GPM
Maximum head	1300 feet
Pump ratings	0.5 - 20 hp
Liquid temperature	+32 °F to +113 °F
Max. sand content	50 ppm

GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

PUMP SIZE: 4"

MATERIAL OF CONSTRUCTION

5 GPM to 75 GPM

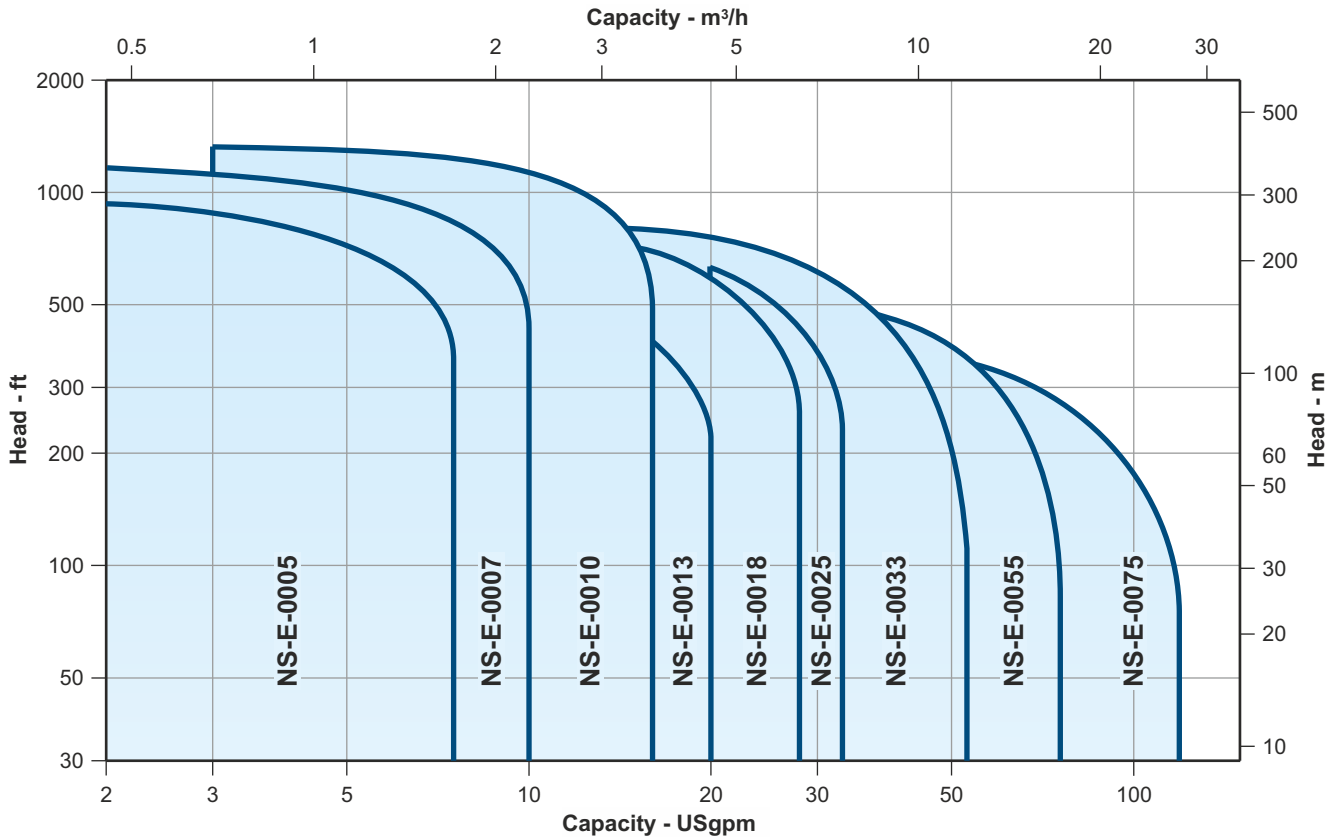


GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

PUMP SIZE: 4"

PERFORMANCE RANGE

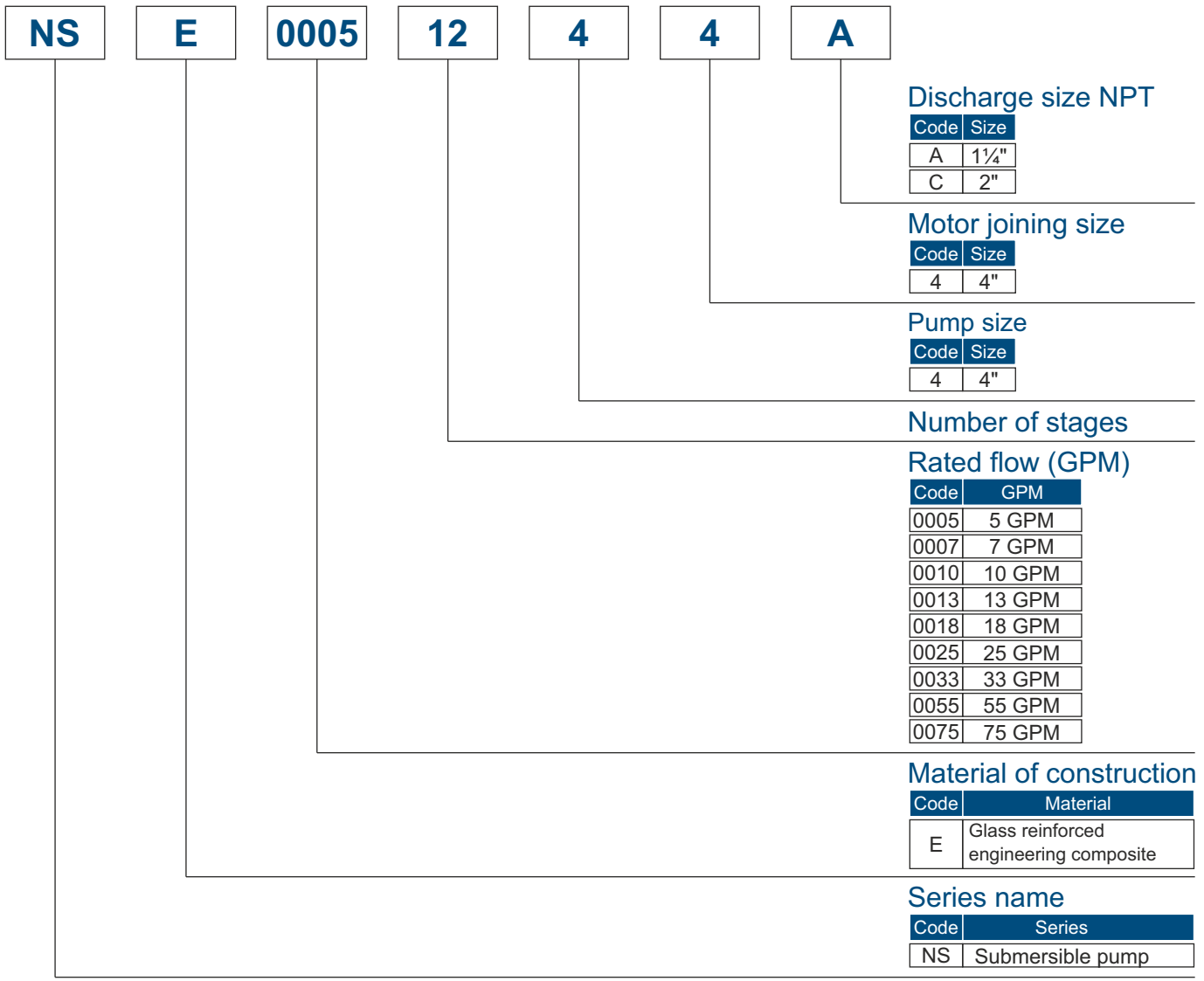
5 GPM to 75 GPM



Pump Size	Model Name	Rated Flow
4" PUMP	NS-E-0005	5 GPM
4" PUMP	NS-E-0007	7 GPM
4" PUMP	NS-E-0010	10 GPM
4" PUMP	NS-E-0013	13 GPM
4" PUMP	NS-E-0018	18 GPM
4" PUMP	NS-E-0025	25 GPM
4" PUMP	NS-E-0033	33 GPM
4" PUMP	NS-E-0055	55 GPM
4" PUMP	NS-E-0075	75 GPM

GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

PUMP SIZE: 4" MODEL CODE 5 GPM to 75 GPM



Discharge size NPT

Code	Size
A	1 1/4"
C	2"

Motor joining size

Code	Size
4	4"

Pump size

Code	Size
4	4"

Number of stages

Rated flow (GPM)

Code	GPM
0005	5 GPM
0007	7 GPM
0010	10 GPM
0013	13 GPM
0018	18 GPM
0025	25 GPM
0033	33 GPM
0055	55 GPM
0075	75 GPM

Material of construction

Code	Material
E	Glass reinforced engineering composite

Series name

Code	Series
NS	Submersible pump

Example:
NS-E-0005-12-4-4-A = Submersible pump, Glass reinforced engineering composite material, 5 GPM, 12 stages, 4" Pump, 4" Motor joining, 1 1/4" Discharge size.

GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

PUMP SIZE: 4"

ORDER INFORMATION

5 GPM to 75 GPM

GPM	STAGES	MOTOR JOINING SIZE	ORDER NO. / MODEL CODE
5	09	4"	NS-E-0005-09-4-4-A
	11	4"	NS-E-0005-11-4-4-A
	15	4"	NS-E-0005-15-4-4-A
	20	4"	NS-E-0005-20-4-4-A
	26	4"	NS-E-0005-26-4-4-A
	31	4"	NS-E-0005-31-4-4-A
7	07	4"	NS-E-0007-07-4-4-A
	10	4"	NS-E-0007-10-4-4-A
	13	4"	NS-E-0007-13-4-4-A
	17	4"	NS-E-0007-17-4-4-A
	22	4"	NS-E-0007-22-4-4-A
	27	4"	NS-E-0007-27-4-4-A
10	34	4"	NS-E-0007-34-4-4-A
	05	4"	NS-E-0010-05-4-4-A
	07	4"	NS-E-0010-07-4-4-A
	10	4"	NS-E-0010-10-4-4-A
	12	4"	NS-E-0010-12-4-4-A
	17	4"	NS-E-0010-17-4-4-A
	20	4"	NS-E-0010-20-4-4-A
	27	4"	NS-E-0010-27-4-4-A
13	35	4"	NS-E-0010-35-4-4-A
	42	4"	NS-E-0010-42-4-4-A
	05	4"	NS-E-0013-05-4-4-A
	07	4"	NS-E-0013-07-4-4-A
	10	4"	NS-E-0013-10-4-4-A
	12	4"	NS-E-0013-12-4-4-A
18	17	4"	NS-E-0013-17-4-4-A
	21	4"	NS-E-0013-21-4-4-A
	06	4"	NS-E-0018-06-4-4-A
	08	4"	NS-E-0018-08-4-4-A
	11	4"	NS-E-0018-11-4-4-A
	14	4"	NS-E-0018-14-4-4-A
	19	4"	NS-E-0018-19-4-4-A
25	24	4"	NS-E-0018-24-4-4-A
	30	4"	NS-E-0018-30-4-4-A
	07	4"	NS-E-0025-07-4-4-A
	09	4"	NS-E-0025-09-4-4-A
	11	4"	NS-E-0025-11-4-4-A
33	15	4"	NS-E-0025-15-4-4-A
	22	4"	NS-E-0025-22-4-4-A
	26	4"	NS-E-0025-26-4-4-A
	06	4"	NS-E-0033-06-4-4-C
	07	4"	NS-E-0033-07-4-4-C
	10	4"	NS-E-0033-10-4-4-C
	12	4"	NS-E-0033-12-4-4-C
33	18	4"	NS-E-0033-18-4-4-C
	22	4"	NS-E-0033-22-4-4-C
	28	4"	NS-E-0033-28-4-4-C
	31	4"	NS-E-0033-31-4-4-C

GPM	STAGES	MOTOR JOINING SIZE	ORDER NO. / MODEL CODE
55	05	4"	NS-E-0055-05-4-4-C
	07	4"	NS-E-0055-07-4-4-C
	09	4"	NS-E-0055-09-4-4-C
	11	4"	NS-E-0055-11-4-4-C
	13	4"	NS-E-0055-13-4-4-C
	15	4"	NS-E-0055-15-4-4-C
	17	4"	NS-E-0055-17-4-4-C
	19	4"	NS-E-0055-19-4-4-C
	22	4"	NS-E-0055-22-4-4-C
75	04	4"	NS-E-0075-04-4-4-C
	06	4"	NS-E-0075-06-4-4-C
	07	4"	NS-E-0075-07-4-4-C
	09	4"	NS-E-0075-09-4-4-C
	11	4"	NS-E-0075-11-4-4-C
	12	4"	NS-E-0075-12-4-4-C
	14	4"	NS-E-0075-14-4-4-C
16	4"	NS-E-0075-16-4-4-C	

4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0005

SELECTION CHART

5 GPM

RATINGS ARE IN GALLONS PER MINUTE (GPM)

HP	Stage	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	900	1000					
1/2	9	0						7.3	6.8	6.4	5.8	5.2	4.5	3.8	2.6																
		20				7.1	6.7	6.2	5.6	5.0	4.3	3.5	2.4																		
		30			7.1	6.6	6.1	5.5	5.0	4.2	3.3	2.0																			
		40	7.4	7.0	6.5	6.0	5.4	4.8	4.0	3.2	1.7																				
		50	6.9	6.5	5.9	5.4	4.7	4.0	3.0	1.5																					
		60	6.4	5.8	5.3	4.5	3.8	2.9																							
Shut-off PSI			115	106	98	89	80	72	63	54	46	37	28	20	11																
1/2	11	0							7.3	6.9	6.5	6.1	5.6	5.2	4.6	4.0	3.4														
		20					7.2	6.8	6.4	6.0	5.5	5.0	4.5	3.8	3.0	2.0															
		30			7.4	7.1	6.7	6.3	5.8	5.4	4.9	4.4	3.7	3.0	2.0																
		40		7.4	7.0	6.7	6.2	5.8	5.3	4.8	4.3	3.6	2.7	1.5																	
		50	7.3	7.0	6.6	6.2	5.7	5.3	4.8	4.2	3.6	2.5																			
		60	6.9	6.5	6.2	5.7	5.2	4.7	4.0	3.5	2.5	1.5																			
Shut-off PSI			143	134	125	117	108	99	91	82	73	65	56	47	39	30	21														
3/4	15	0									7.4	7.1	6.9	6.6	6.3	6.0	5.6	4.6	3.5	1.8											
		20							7.3	7.1	6.8	6.5	6.2	5.9	5.5	5.1	4.7	3.6	2.0												
		30						7.3	7.0	6.7	6.4	6.1	5.8	5.4	5.0	4.6	4.3	3.0													
		40					7.2	7.0	6.7	6.4	6.1	5.8	5.4	5.0	4.6	4.2	3.7	2.2													
		50			7.5	7.2	7.0	6.7	6.3	6.1	5.7	5.3	4.9	4.5	4.1	3.6	3.2														
		60		7.4	7.1	6.9	6.6	6.3	6.0	5.6	5.3	4.9	4.3	4.1	3.5	3.0	2.4														
Shut-off PSI			189	181	172	163	155	146	137	129	120	111	103	94	85	77	55	33	12												
1	20	0										7.4	7.2	7.0	6.8	6.6	6.4	5.8	5.2	4.5	3.7										
		20									7.3	7.1	6.9	6.8	6.5	6.3	6.1	5.8	5.2	4.5	3.8	2.8									
		30								7.3	7.1	6.9	6.7	6.5	6.3	6.0	5.8	5.6	4.9	4.2	3.4	2.3									
		40					7.5	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.5	5.2	4.6	3.8	3.0	1.5										
		50			7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.5	5.2	4.9	4.2	3.5	2.3												
		60		7.4	7.2	7.0	6.8	6.6	6.4	6.2	5.9	5.7	5.4	5.2	4.9	4.7	3.8	3.0	1.7												
Shut-off PSI				246	237	228	220	211	202	194	185	176	168	159	150	142	120	98	77	55											
1 1/2	26	0															7.1	6.7	6.3	5.8	4.7	3.4									
		20															7.3	7.1	6.7	6.3	5.9	5.3	4.1	2.6							
		30															7.4	7.3	7.1	7.0	6.5	6.1	5.6	5.1	3.8	2.0					
		40															7.4	7.3	7.1	7.0	6.8	6.4	5.9	5.4	4.8	3.5					
		50															7.4	7.2	7.0	6.9	6.7	6.6	6.2	5.7	5.1	4.5	3.2				
		60															7.4	7.2	7.0	6.9	6.7	6.6	6.4	5.9	5.4	4.8	4.2				
Shut-off PSI											280	271	263	254	245	237	228	206	185	163	141	98	55								
2	31	0																	7.2	6.8	6.1	5.2	4.1	2.7							
		20																		7.2	6.8	6.5	5.7	4.7	3.5	1.8					
		30																			7.4	7.0	6.7	6.3	5.5	4.5	3.3				
		40																				7.2	6.9	6.5	6.1	5.3	4.3	2.9			
		50																					7.1	6.7	6.3	5.9	5.1	3.9	2.5		
		60																					7.3	6.9	6.5	6.2	5.7	4.8	3.7	1.9	
Shut-off PSI																					304	282	260	239	217	174	130	87.0	43.6		

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

4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0007

SELECTION CHART

7 GPM

RATINGS ARE IN GALLONS PER MINUTE (GPM)

HP	Stage	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	900	1000		
1/2	7	0							9.0	8.0	6.5	4.0																
		20				9.8	8.8	7.5	5.6	3.0																		
		30			9.6	8.5	7.2	5.5	2.0																			
		40	9.4	8.5	7.0	5.0																						
		50	9.2	8.2	6.8	4.8																						
		60	8.0	6.5	4.2																							
Shut-off PSI			84	75	66	58	49	40	32	23	14	6																
1/2	10	0									9.2	8.2	7.4	6.4	5.0	3.5												
		20					9.8	8.9	8.0	7.0	6.0	4.7	3.0															
		30				9.7	8.8	7.9	6.8	5.6	4.2	2.5																
		40			9.5	8.6	7.6	6.6	5.5	4.0	2.0																	
		50		9.5	8.5	7.6	6.5	5.5	4.0	2.0																		
		60	9.4	8.5	7.5	6.5	5.0	3.5																				
Shut-off PSI			115	107	98	89	81	72	63	55	46	37	29	20	11													
3/4	13	0											9.4	8.6	7.9	7.1	4.5											
		20										9.2	8.5	7.7	6.9	6.0	5.0											
		30							9.7	9.0	8.3	7.5	6.6	5.7	4.6	3.4												
		40						9.6	8.9	8.2	7.4	6.6	5.6	4.5	3.0													
		50					9.5	8.8	8.2	7.4	6.5	5.5	4.4	3.0														
		60				9.4	8.7	8.0	7.2	6.3	5.4	4.2	2.5															
Shut-off PSI					131	122	114	105	96	88	79	70	62	53	44	23												
1	17	0													9.5	8.3	6.7	4.8	2.0									
		20												9.4	8.8	8.3	6.8	5.0	2.5									
		30										9.8	9.3	8.8	8.3	7.7	6.0	4.0										
		40									9.7	9.2	8.7	8.2	7.5	7.0	5.1											
		50									9.7	9.2	8.6	8.0	7.5	6.8	6.2	4.3										
		60								9.6	9.0	8.5	8.0	7.4	6.8	6.0	5.2	3.0										
Shut-off PSI								157	148	139	130	122	113	104	96	74	52	31	9									
1 1/2	22	0														9.8	8.8	7.7	5.2									
		20														9.8	8.9	7.8	6.6	3.2								
		30														9.4	8.4	7.3	6.0	2.0								
		40															9.9	8.9	7.9	6.7	5.2							
		50															9.8	9.5	8.5	7.4	6.1	4.5						
		60															9.8	9.4	9.0	8.0	6.8	5.5	3.8					
Shut-off PSI															186	178	169	147	126	104	82	39						
2	27	0															9.8	8.5	7.0	5.2	2.2							
		20															9.8	9.3	7.9	6.3	4.0							
		30															9.6	9.0	7.5	5.8	3.5							
		40															9.8	9.3	8.7	7.2	5.4	2.6						
		50															9.6	9.0	8.4	6.8	4.8							
		60															9.3	8.7	8.0	6.4	4.3							
Shut-off PSI															243	221	199	156	113	69	26							
3	34	0																		9.2	8.1	6.8	5.4					
		20																		9.6	8.7	7.5	6.2	4.5				
		30																		9.5	8.4	7.3	5.9	4.2				
		40																		9.2	8.2	7.0	5.5	3.6				
		50																		9.0	7.9	6.6	5.1	3.2				
		60																		9.7	8.7	7.7	6.4	4.7	2.6			
Shut-off PSI																			308	264	221	178	134	91				

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

4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0010

SELECTION CHART

10 GPM

RATINGS ARE IN GALLONS PER MINUTE (GPM)

HP	Stage	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	900	1000		
1/2	5	0			15.5	14.0	12.5	10.5	7.5																			
		20	15.0	13.5	11.8	9.5	6.5																					
		30	13.5	11.7	9.0	5.5																						
		40	11.0	8.5	4.5																							
		50	8.5	4.0																								
		60	3.5																									
Shut-off PSI			61	52	43	35	26	17	9																			
1/2	7	0				15.8	14.8	13.5	12.4	10.5	8.5	6.0																
		20		15.5	14.5	13.2	11.5	10.0	8.0	5.0																		
		30	15.5	14.2	13.0	11.5	9.8	7.5	4.5																			
		40	14.0	12.8	11.4	9.5	7.0	4.0																				
		50	12.5	11.0	9.0	6.5																						
		60	10.8	9.0	6.5																							
Shut-off PSI			88	79	70	62	53	44	36	27	18	10																
3/4	10	0						15.4	14.5	13.7	12.5	11.5	10.4	9.0	7.0	4.5												
		20					15.2	14.2	13.3	12.4	11.2	10.0	8.4	6.3	3.5													
		30			15.8	15.0	14.2	13.2	12.2	11.0	9.8	8.0	6.0	3.0														
		40		15.7	14.8	14.0	13.0	12.0	10.8	9.5	7.5	5.5																
		50	15.7	14.8	13.9	13.0	12.0	10.5	9.2	7.5	5.0																	
		60	14.7	13.8	12.9	11.7	10.4	9.0	7.0	4.5																		
Shut-off PSI			129	120	111	103	94	85	77	68	59	51	42	33	25	16	7											
1	12	0								15.4	14.6	13.8	13.0	12.0	11.0	10.0	6.0											
		20							15.3	14.5	13.5	12.7	11.8	10.6	9.4	8.0	6.5											
		30						15.0	14.4	13.5	12.5	11.5	10.5	9.5	8.0	6.0	3.0											
		40					15.0	14.0	13.3	12.4	11.4	10.4	8.9	7.5	6.0	3.0												
		50			15.6	14.8	14.0	13.2	12.4	11.4	10.1	9.0	7.5	5.5														
		60		15.5	14.8	14.0	13.0	12.1	11.0	9.8	8.4	7.0	5.0															
Shut-off PSI			149	140	131	123	114	105	97	88	79	71	62	53	45	36	14											
1 1/2	17	0										15.4	14.8	14.2	13.7	13.1	11.5	9.7	7.0	3.0								
		20										15.8	15.3	14.7	14.2	13.7	13.0	12.4	10.7	8.3	5.5							
		30									15.7	15.2	14.7	14.1	13.5	13.0	12.3	11.7	9.8	7.3	3.7							
		40								15.6	15.1	14.6	14.0	13.5	12.8	12.2	11.5	10.8	8.8	5.8								
		50					15.5	15.0	14.5	14.0	13.4	12.8	12.1	11.5	10.8	10.0	7.3	4.0										
		60						191	182	173	165	156	147	139	130	121	113	91	69	48	26							
Shut-off PSI																												
2	20	0												15.8	14.8	13.8	12.5	11.2	7.0									
		20												15.7	15.3	14.9	13.9	12.7	11.3	9.6								
		30												15.6	15.3	14.8	14.5	13.3	12.0	10.5	8.6							
		40										15.9	15.6	15.2	14.8	14.4	14.0	12.8	11.3	9.7	7.4							
		50									15.9	15.5	15.2	14.7	14.3	13.9	13.4	12.2	10.7	8.8	6.2							
		60								15.8	15.5	15.1	14.7	14.2	13.8	13.4	12.8	11.5	10.0	7.6	4.2							
Shut-off PSI										218	209	201	192	183	175	166	157	136	114	92	71	27						
3	27	0														15.5	14.8	14.0	12.2	10.0	7.0							
		20														15.5	14.8	14.0	13.2	11.2	8.8	4.6						
		30														15.8	15.3	14.5	13.6	12.7	10.7	8.0						
		40														15.8	15.5	14.9	14.0	13.2	12.3	10.2	7.2					
		50														15.8	15.5	15.3	14.5	13.8	12.9	11.9	9.6	6.3				
		60														15.8	15.5	15.3	15.0	14.2	13.3	12.4	11.4	8.9				
Shut-off PSI															275	267	258	249	228	206	184	163	119	76	32.5			
5	35	0																15.6	14.6	13.3	11.7	9.8	7.0					
		20																	15.6	15.2	14.0	12.5	10.9	8.6	5.5			
		30																	15.9	15.4	14.9	13.8	12.2	10.5	8.0	4.5		
		40																		15.7	15.2	14.7	13.4	11.8	10.0	7.3	3.3	
		50																		15.9	15.4	15.0	14.4	13.0	11.5	9.5	6.5	
		60																		15.7	15.3	14.7	14.1	12.7	11.1	8.9	5.7	
Shut-off PSI																			336	314	293	271	228	184	141	97.5	54.2	
5	42	0																										
		20																										
		30																										
		40																										
		50																										
		60																										
Shut-off PSI																												

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

4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0013

SELECTION CHART

13 GPM

RATINGS ARE IN GALLONS PER MINUTE (GPM)

HP	Stage	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	900	1000	
1/2	5	0			19.6	17.8	15.5	12.5	7.0																		
		20	19.2	17.0	14.6	11.4	4.0																				
		30	16.8	14.0	10.6																						
		40	13.5	10.0																							
		50	9.0																								
		60																									
Shut-off PSI			55	47	38	29	21	12	3																		
3/4	7	0				20.0	18.6	17.0	15.3	13.4	10.6	6.0															
		20		19.5	18.2	16.5	14.8	12.5	9.6																		
		30	19.3	18.0	16.5	14.5	12.3	9.0																			
		40	17.6	16.0	14.0	12.0	8.2																				
		50	15.8	13.8	11.5	7.8																					
		60	13.5	11.0	6.5																						
Shut-off PSI			81	72	63	55	46	37	29	20	11	3															
1	10	0						19.6	18.8	17.8	16.6	15.4	14.0	12.5	10.5	7.0											
		20				19.4	18.5	17.4	16.3	15.0	13.5	12.0	9.5	5.5													
		30			19.3	18.4	17.3	16.0	14.8	13.2	11.5	9.0	4.0														
		40		19.1	18.1	17.0	15.8	14.5	13.0	11.4	8.5																
		50	19.0	18.0	17.0	15.6	14.4	12.7	11.0	8.0																	
		60	17.8	16.7	15.5	14.0	12.6	10.5	7.3																		
Shut-off PSI			119	110	102	93	84	76	67	58	50	41	32	24	15	6											
1 1/2	12	0								19.0	18.2	17.4	16.5	15.4	14.2	13.0	11.5	4.0									
		20				19.6	18.8	18.0	17.1	16.1	15.0	13.8	12.5	11.0	8.8	4.5											
		30			19.5	18.7	17.9	16.9	16.0	14.8	13.6	12.5	10.6	8.2	4.0												
		40		19.2	18.5	17.7	16.8	15.8	14.6	13.5	12.0	10.5	8.0														
		50	19.3	18.5	17.6	16.6	15.6	14.5	13.3	12.0	10.0	7.0															
		60	19.2	18.4	17.5	16.5	15.5	14.3	13.0	11.5	10.0	6.8															
Shut-off PSI			145	136	127	119	110	101	93	84	75	67	58	49	41	32	23	2									
2	17	0										19.8	19.3	18.7	18.1	17.5	16.8	15.0	12.8	9.8							
		20									19.6	19.1	18.5	17.9	17.3	16.7	15.9	15.1	13.0	10.1							
		30								19.5	19.0	18.5	17.9	17.2	16.5	15.8	15.0	14.2	11.8	8.0							
		40						19.5	18.9	18.4	17.8	17.1	16.5	15.6	14.9	14.0	13.2	10.5	4.2								
		50			19.9	19.3	18.8	18.3	17.7	17.0	16.4	15.6	14.8	13.9	13.0	12.0	8.6										
		60		19.8	19.3	18.8	18.2	17.6	16.9	16.2	15.5	14.6	13.8	12.8	11.9	10.6	5.0										
Shut-off PSI				191	183	174	165	157	148	139	131	122	113	105	96	87	66	44	22								
3	21	0												19.5	19.1	18.6	17.4	16.0	14.4	12.5	5.5						
		20												19.0	18.5	18.0	17.5	16.1	14.5	12.7	10.5						
		30									19.7	19.3	18.9	18.5	17.9	17.5	16.9	15.5	13.7	11.8	8.8						
		40								19.7	19.2	18.8	18.4	17.8	17.4	16.8	16.2	14.6	12.9	10.6	6.7						
		50						19.6	19.2	18.7	18.3	17.8	17.3	16.7	16.1	15.5	13.8	11.9	9.1	3.0							
		60					19.5	19.1	18.7	18.2	17.7	17.2	16.6	16.0	15.5	14.8	13.0	10.9	7.0								
Shut-off PSI						216	208	199	190	182	173	164	156	147	138	117	95	73	52	8							

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

4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0018

SELECTION CHART

18 GPM

RATINGS ARE IN GALLONS PER MINUTE (GPM)

HP	Stage	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	900	1000		
3/4	6	0				26.6	24.0	20.5	16.0	10.0																		
		20		26.0	23.0	19.0	14.5	7.0																				
		30	25.5	22.5	18.5	13.5	5.0																					
		40	22.0	17.5	12.0																							
		50	17.0	12.0																								
		60	10.0																									
Shut-off PSI			66	57	49	40	31	23	14	5																		
1	8	0					26.8	24.8	22.5	20.0	17.2	14.0	8.0															
		20				24.3	22.0	19.5	16.5	12.5																		
		30		26.0	24.0	22.0	19.0	16.0	12.0																			
		40	25.5	23.5	21.5	19.0	15.5	11.5																				
		50	23.5	21.0	18.0	15.0	10.0																					
		60	20.5	18.0	14.5	10.0																						
Shut-off PSI			93	84	75	67	58	49	41	32	23	15	6															
1 1/2	11	0						27.5	26.5	25.0	23.5	22.0	20.2	18.0	16.0	13.0	9.5											
		20					26.0	25.0	23.2	21.5	19.5	17.5	15.0	12.0	8.0													
		30			27.2	26.0	24.5	23.0	21.5	19.5	17.0	14.6	11.0															
		40		27.0	26.0	24.5	23.0	21.0	19.0	17.0	14.5	11.0																
		50	26.8	25.5	24.0	23.0	21.0	18.6	16.5	14.0	10.0																	
		60	25.5	24.0	22.0	20.5	18.5	16.0	13.5	10.0																		
Shut-off PSI			131	122	113	105	96	87	79	70	61	53	44	35	27	18	9											
2	14	0							27.3	26.5	25.5	24.4	23.0	21.8	20.2	18.6	14.0											
		20						27.0	26.5	25.0	24.0	22.7	21.5	20.0	18.0	16.5	14.0											
		30					27.0	26.0	25.0	23.7	22.5	21.0	19.8	18.0	16.0	14.0	11.0											
		40			28.0	27.0	26.0	24.7	23.5	22.5	21.0	19.5	17.5	16.0	13.5	10.5												
		50		27.5	26.6	25.8	24.5	23.5	22.2	20.8	19.0	17.5	15.5	13.5	10.0													
		60	27.5	26.8	25.5	24.5	23.2	22.0	20.5	18.8	17.5	15.0	12.5	10.0														
Shut-off PSI			169	160	151	143	134	125	117	108	99	91	82	73	65	56	47	25										
3	19	0										27.5	26.7	26.0	25.5	24.5	22.0	19.5	16.5	12.5								
		20										26.5	26.0	25.0	24.2	23.5	22.4	19.6	16.6	13.0								
		30									27.0	26.5	25.7	25.0	24.2	23.2	22.5	21.5	18.5	15.0	10.0							
		40						27.5	27.0	26.5	25.5	24.0	23.0	22.0	21.0	20.0	17.0	13.5										
		50					27.5	27.0	26.5	25.5	24.5	24.0	23.0	22.0	21.0	20.0	18.8	15.5	11.0									
		60				27.5	26.6	26.0	25.5	24.5	24.0	23.0	22.0	21.0	20.0	18.5	17.4	13.5										
Shut-off PSI						206	197	189	180	171	163	154	145	137	128	119	111	89	67	46	24							
5	24	0												27.7	27.1	26.7	25.0	23.5	21.5	19.5	13.8							
		20												27.5	27.0	26.5	25.8	25.3	23.5	21.8	19.7	17.0	10.0					
		30												27.5	27.0	26.5	25.8	25.0	24.5	22.8	20.7	18.5	15.8	7.5				
		40												27.4	27.0	26.4	25.8	25.0	24.5	23.7	22.0	19.8	17.3	14.3				
		50								28.0	27.5	26.9	26.4	25.5	25.0	24.5	23.5	23.0	21.0	18.5	16.0	12.8						
		60						28.0	27.5	26.8	26.0	25.5	25.0	24.4	23.5	23.0	22.0	20.0	17.5	14.8	10.8							
Shut-off PSI								252	243	234	226	217	208	200	191	182	174	152	130	109	87	44						
5	30	0															27.8	26.5	25.4	24.0	22.9	19.8	15.8	11.0				
		20															27.5	27.2	26.6	25.5	24.2	23.0	21.5	18.0	13.8	7.9		
		30															27.5	27.0	26.5	26.0	25.0	23.6	22.2	20.7	17.2	12.5		
		40															27.0	26.5	26.0	25.5	24.3	23.0	21.6	20.1	16.1	11.5		
		50															27.0	26.5	26.0	25.5	25.0	23.7	22.5	21.0	19.1	15.1	10.0	
		60															26.8	26.5	26.0	25.5	25.0	24.5	23.0	21.6	20.2	18.4	14.0	8.0
Shut-off PSI																297	288	280	271	262	254	232	210	189	167	123	80	36.8

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

4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0025

SELECTION CHART

25 GPM

RATINGS ARE IN GALLONS PER MINUTE (GPM)

HP	Stage	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	900	1000				
1	7	0			32.6	30.6	28.5	26.0	23.5	20.4	16.0	11.0																		
		20	32.4	30.0	27.8	25.5	22.5	19.0	14.5	8.5																				
		30	30.0	27.5	25.0	22.0	18.5	14.0	7.0																					
		40	27.0	24.5	21.5	18.0	13.5																							
		50	24.0	21.0	17.5	12.0																								
		60	20.0	16.5	11.5																									
Shut-off PSI			83	74	65	57	48	39	31	22	13	5																		
1½	9	0					32.0	30.2	28.5	26.8	25.0	22.4	20.0	16.0	11.2															
		20			31.5	30.0	28.0	26.0	24.0	21.8	19.0	15.0	10.0																	
		30		31.0	29.5	27.6	26.0	24.0	21.0	18.2	14.2	8.0																		
		40	30.8	29.5	27.5	25.5	23.5	21.0	17.5	14.0	6.0																			
		50	29.0	27.2	25.2	23.0	20.5	17.0	13.0																					
		60	27.0	25.0	23.0	20.0	16.5	12.0																						
Shut-off PSI			111	103	94	85	77	68	59	51	42	33	25	16	7															
2	11	0						31.9	30.5	28.8	27.4	25.5	23.5	21.5	20.0	16.0														
		20					31.4	30.0	28.2	26.6	25.0	23.0	21.0	18.2	15.0	10.0														
		30				31.0	29.5	28.0	26.5	24.6	22.9	20.5	18.0	14.8	10.0															
		40			30.8	29.5	28.0	26.4	24.5	22.5	20.5	17.5	14.0	9.0																
		50	32.0	30.6	29.2	27.5	26.0	24.0	22.0	20.0	17.0	13.0	6.0																	
		60	30.5	29.0	27.5	25.6	23.7	22.0	19.5	16.2	12.5																			
Shut-off PSI			139	130	122	113	104	96	87	78	70	61	52	44	35	26	18													
3	15	0								32.3	31.2	30.4	29.3	28.0	27.0	25.8	22.0	17.0	7.0											
		20								31.0	30.0	28.7	27.5	26.5	25.4	23.8	22.4	17.5	9.0											
		30						31.8	30.8	29.8	28.7	27.5	26.5	25.2	23.5	22.0	20.0	14.0												
		40				32.5	31.5	30.6	29.5	28.5	27.5	26.2	25.0	23.5	21.5	20.0	17.8	10.0												
		50			32.5	31.5	30.5	29.5	28.3	27.4	26.0	24.6	23.2	21.5	19.7	17.5	15.0													
		60		32.2	31.5	30.5	29.5	28.2	27.0	25.8	24.3	23.0	21.2	19.5	17.0	14.5	10.0													
Shut-off PSI			183	174	165	157	148	139	130	122	113	104	96	87	78	70	48	26	5											
5	22	0												32.2	31.8	31.1	30.5	28.5	26.5	24.5	22.0	14.5								
		20												31.5	31.0	30.1	29.5	28.8	27.0	24.5	22.0	19.0	8.3							
		30												31.5	31.0	30.0	29.5	28.5	28.0	26.0	23.5	20.6	17.2							
		40									32.0	31.5	30.8	30.0	29.2	28.5	28.0	27.0	24.5	22.2	19.0	15.2								
		50						32.5	32.0	31.2	30.6	30.0	29.0	28.5	27.6	27.0	26.0	23.5	21.2	17.5	12.7									
		60					32.3	32.0	31.0	30.5	29.5	29.0	28.0	27.5	26.6	26.0	25.0	22.5	19.4	16.0	10.0									
Shut-off PSI							247	238	230	221	212	204	195	186	178	169	160	139	117	95	74	30								
5	26	0															32.5	31.0	29.3	27.8	26.0	21.5	15.5							
		20															31.6	31.0	29.5	28.0	26.0	24.0	19.0	11.0						
		30															31.5	31.0	30.5	28.5	27.0	25.0	23.0	17.6	8.0					
		40															32.0	31.5	31.0	30.2	29.5	28.0	26.0	24.0	22.0	16.0				
		50										32.5	32.0	31.5	31.0	30.5	29.5	29.0	27.0	25.5	23.0	21.0	14.0							
		60										32.5	32.0	31.5	30.8	30.0	29.5	29.0	28.0	26.5	24.5	22.0	19.5	12.0						
Shut-off PSI										277	269	260	251	243	234	225	217	195	173	152	130	87	43							

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

4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0033

SELECTION CHART

33 GPM

RATINGS ARE IN GALLONS PER MINUTE (GPM)

HP	Stage	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	900	1000		
1	6	0	50.0	46.8	43.0	39.0	34.0	27.0	20.0																			
		20	42.0	38.0	32.0	25.0	17.0																					
		30	37.0	31.0	24.0	16.0																						
		40	30.0	23.0	14.0																							
		50	22.0	12.0																								
		60	10.0																									
Shut-off PSI			66	57	48	40	31	22	14																			
1½	7	0	51.0	48.5	45.5	42.5	39.0	34.0	29.0	23.0	14.0																	
		20	44.5	41.5	37.5	33.0	27.0	20.0	11.0																			
		30	40.5	36.5	33.0	26.0	20.0	10.0																				
		40	36.0	31.0	25.0	18.0																						
		50	30.5	24.0	16.0																							
		60	23.0	15.0																								
Shut-off PSI			80	71	62	54	45	36	28	19	10																	
2	10	0	52.0	50.5	48.0	46.0	44.0	41.5	39.0	36.0	33.0	29.0	25.0	20.0	14.0													
		20	48.0	45.5	43.5	41.0	38.5	35.0	31.5	28.0	23.0	18.0	11.0															
		30	45.0	43.0	40.5	37.5	35.0	31.0	27.0	22.0	17.0	10.0																
		40	43.0	40.0	37.0	34.0	31.0	27.0	22.0	16.0	10.0																	
		50	40.0	37.0	34.0	30.0	26.0	21.0	15.0																			
		60	37.0	33.0	30.0	25.0	20.0	15.0																				
Shut-off PSI			117	109	100	91	83	74	65	57	48	39	31	22	13													
3	12	0	52.5	50.7	49.5	47.5	46.0	44.0	42.0	40.0	38.0	35.0	32.0	29.0	25.0	22.0	17.0											
		20	48.5	47.0	45.5	43.5	41.5	39.5	37.0	34.5	31.5	28.0	24.5	20.0	15.0													
		30	47.0	45.0	43.0	41.0	39.0	36.5	34.0	31.0	28.0	24.0	19.0	14.0														
		40	44.5	43.0	41.0	39.0	36.0	33.5	30.0	27.0	23.0	19.0	14.0															
		50	43.0	40.5	38.0	36.0	33.0	30.0	26.5	23.0	18.0	13.0																
		60	40.0	38.0	35.5	32.5	29.5	26.0	22.0	17.0	12.0																	
Shut-off PSI			143	134	125	117	108	99	91	82	73	65	56	47	39	30	21											
5	18	0	52.5	51.5	50.5	49.5	48.5	47.8	46.5	45.5	44.5	43.0	42.0	40.5	39.0	37.5	36.0	31.0	25.0	18.5	10.0							
		20	50.5	49.5	48.5	47.5	46.5	45.5	44.0	43.0	41.5	40.0	39.0	37.0	35.5	33.5	31.5	26.0	19.0	11.0								
		30	49.0	48.5	47.5	46.0	45.0	43.7	42.5	41.5	40.0	38.5	37.0	35.0	33.0	31.0	29.0	23.0	15.0									
		40	48.5	47.0	46.0	45.0	43.5	42.5	41.0	39.5	38.0	36.5	35.0	33.0	31.0	29.0	26.5	19.0										
		50	47.0	46.0	45.0	43.5	42.0	41.0	39.5	38.0	36.5	34.5	32.5	30.5	28.5	26.0	23.5	16.0										
		60	46.0	44.5	43.5	42.0	41.0	39.0	38.0	36.0	34.0	32.0	30.0	28.0	25.5													
Shut-off PSI			222	213	204	196	187	178	170	161	152	144	135	126	118	109	100	79	57	35	14							
5	22	0	53.0	52.0	51.5	50.5	49.5	49.0	48.0	47.0	46.0	45.0	44.0	43.0	42.0	41.0	39.5	36.0	32.5	28.0	23.0							
		20	51.0	50.5	49.5	48.5	47.5	46.5	45.5	44.5	43.5	42.5	41.5	40.5	39.5	37.8	36.5	32.5	28.5	23.5	17.0							
		30	50.0	49.5	48.5	47.5	46.5	45.5	44.5	43.5	42.5	41.5	40.0	39.0	37.5	36.0	35.0	31.0	26.0	20.5	14.0							
		40	49.0	48.0	47.5	46.5	45.0	44.5	43.0	42.0	41.0	40.0	39.0	37.5	36.0	34.5	33.0	29.0	24.0	17.5	10.0							
		50	48.0	47.0	46.0	45.0	44.0	43.0	42.0	41.0	40.0	39.0	37.0	36.0	34.5	33.0	31.0	26.5	21.5	14.5								
		60	47.0	46.0	45.0	44.0	43.0	42.0	41.0	40.0	38.5	37.0	35.5	34.0	32.5	31.0	29.5	24.0	18.5	11.0								
Shut-off PSI			269	260	251	243	234	225	217	208	199	191	182	173	165	156	147	126	104	82	61	17						
7½	28	0	52.5	52.0	51.4	50.8	50.0	49.2	48.5	48.0	47.0	46.5	45.5	45.0	44.0	43.2	41.0	39.0	36.0	33.0	26.0	17.0						
		20	51.6	51.0	50.5	49.5	49.0	48.5	47.5	47.0	46.0	45.5	44.5	44.0	43.0	42.0	41.5	39.0	36.2	33.5	30.0	22.0	11.0					
		30	51.0	50.2	49.5	49.0	48.0	47.5	46.6	45.8	45.5	44.5	43.5	42.8	42.0	41.0	40.2	37.8	35.0	31.8	28.5	20.0						
		40	50.0	49.5	49.0	48.0	47.5	46.5	45.5	45.0	44.5	43.5	42.5	42.0	41.0	40.0	39.0	36.5	33.5	30.5	26.5	17.5						
		50	49.5	48.5	48.0	47.5	46.5	46.0	45.5	44.5	43.5	42.5	42.0	41.0	40.0	39.0	38.0	35.0	32.0	29.0	24.5	15.0						
		60	48.5	48.0	47.0	46.0	45.5	45.0	44.0	43.0	42.0	41.5	41.0	40.0	39.0	38.0	37.0	34.0	30.5	27.0	23.0	12.5						
Shut-off PSI			344	336	327	318	310	301	292	284	275	266	258	249	240	232	223	201	180	158	136	93	49					
7½	31	0		52.5	52.0	51.4	50.8	50.0	49.5	49.0	48.0	47.5	46.5	46.0	45.0	44.0	43.0	41.0	39.0	36.7	31.0	24.0	14.5					
		20		52.5	52.0	51.3	50.7	50.0	49.2	48.6	48.0	47.2	46.4	45.8	45.0	44.0	43.5	41.5	39.0	36.5	34.0	28.0	20.0					
		30	52.5	51.6	51.0	50.5	50.0	49.0	48.5	47.5	47.0	46.5	45.5	44.5	44.0	43.5	42.5	40.5	38.0	35.5	33.0	26.5	17.5					
		40	51.5	51.0	50.5	50.0	49.0	48.0	47.5	47.0	46.2	45.5	44.5	43.6	43.0	42.0	41.5	39.2	37.0	34.5	31.5	24.5	15.0					
		50	51.0	50.5	49.5	49.0	48.5	47.5	47.0	46.0	45.0	44.5	43.5	43.0	42.0	41.0	40.5	38.0	36.0	33.0	30.0	22.8	12.5					
		60	50.0	49.5	49.0	48.5	47.5	46.5	45.8	45.0	44.5	44.0	43.0	42.0	41.0	40.0	39.5	37.0	34.5	31.5	28.5	20.5	10.0					
Shut-off PSI			382	374	365	356	348	339	330	322	313	304	296	287	278	270	261	239	218	196	174	131	88	44.3				

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

4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0075 **SELECTION CHART** **75 GPM**

RATINGS ARE IN GALLONS PER MINUTE (GPM)

HP	Stage	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	900	1000		
2	4	0	105.0	85.0	64.0	39.0																						
		20	78.0	57.0	30.0																							
		30	54.0	24.0																								
		40	20.0																									
		50																										
		60																										
Shut-off PSI			44	35	26	18	9																					
3	6	0			104.0	90.0	76.0	62.0	45.0	25.0																		
		20	100.0	86.0	72.0	57.0	40.0																					
		30	85.0	70.0	55.0	36.0																						
		40	68.0	52.0	32.0																							
		50	50.0	30.0																								
		60	26.0																									
Shut-off PSI			69	61	52	43	35	26	17	9																		
3	7	0			109.0	98.0	86.0	75.0	62.0	48.0	32.0																	
		20		95.0	83.0	70.0	58.0	44.0	26.0																			
		30	92.0	81.0	69.0	55.0	40.0	25.0																				
		40	80.0	66.0	54.0	39.0	21.0																					
		50	65.0	50.0	35.0																							
		60	49.0	34.0																								
Shut-off PSI			83	74	66	57	48	40	31	22	14																	
5	9	0			115.0	108.0	99.0	90.0	81.0	71.0	62.0	51.0	39.0	25.0														
		20	113.0	105.0	96.0	87.0	78.0	69.0	59.0	48.0	35.0	21.0																
		30	104.0	95.0	86.0	77.0	67.0	57.5	46.0	34.0																		
		40	93.0	85.0	75.0	66.0	55.0	44.0	30.0																			
		50	83.0	74.0	64.0	54.0	42.0	29.0																				
		60	72.0	62.0	52.0	40.0	26.0																					
Shut-off PSI			109	100	91	83	74	65	57	48	39	31	22	13														
5	11	0			113.0	107.0	99.0	92.5	85.0	78.0	70.0	62.0	54.0	44.0	34.0	22.0												
		20	117.0	111.0	105.0	97.0	90.0	83.0	75.0	68.0	60.0	51.0	40.0	30.0														
		30	110.0	103.0	96.0	89.0	82.0	74.0	66.0	58.0	49.0	39.0	28.0															
		40	102.0	95.0	87.0	81.0	73.0	65.0	57.0	48.0	38.0	26.0																
		50	94.0	87.0	80.0	72.0	64.0	55.0	46.0	36.0	25.0																	
		60	86.0	78.5	70.0	62.0	54.0	45.0	35.0	23.0																		
Shut-off PSI			136	127	118	110	101	92	84	75	66	58	49	40	32													
5	12	0			115.0	109.0	103.5	97.0	90.0	84.0	77.0	69.0	62.0	54.0	45.0	36.0												
		20		113.0	108.0	102.0	95.0	88.0	81.5	75.0	67.0	59.0	52.0	43.0	33.0	22.0												
		30	112.5	107.0	100.0	94.0	87.0	80.0	73.0	66.0	58.0	50.0	42.0	32.0														
		40	106.0	99.0	93.0	86.0	79.0	72.0	65.0	57.0	49.0	40.0	30.0															
		50	98.0	92.0	85.5	78.0	71.0	64.0	56.0	48.0	39.0	28.0																
		60	90.0	84.0	77.0	70.0	63.0	55.0	46.0	38.0	27.0																	
Shut-off PSI			148	140	131	122	114	105	96	88	79	70	62	53	44	36	27											
7½	14	0			113.5	109.0	104.0	98.0	92.0	86.0	80.0	74.5	68.0	61.5	55.0													
		20		116.5	112.0	107.0	102.0	96.0	90.0	85.0	79.0	72.0	66.0	59.0	52.0	45.0	37.0											
		30	116.0	112.0	106.0	101.0	95.0	90.0	83.0	78.0	72.0	65.0	58.0	52.0	44.0	35.0	26.0											
		40	112.5	106.0	100.0	95.0	88.0	82.0	77.0	71.0	64.0	57.0	50.0	43.0	34.5	25.0												
		50	105.0	99.0	93.0	88.0	82.0	76.0	69.0	63.0	56.0	49.0	41.5	33.0														
		60	98.0	92.5	87.0	81.0	75.0	68.0	61.0	55.0	48.0	40.0	31.0															
Shut-off PSI			173	165	156	147	139	130	121	113	104	95	87	78	69	61	52	30										
7½	16	0						112.0	109.0	104.0	99.0	94.0	89.0	84.0	79.0	74.0	68.0	54.0	36.0									
		20			115.0	111.5	107.0	102.0	97.0	92.0	88.0	82.5	77.5	72.0	66.5	60.0	55.0	37.0										
		30		114.5	110.0	106.0	102.0	97.0	92.0	87.0	82.0	77.0	71.0	66.0	60.0	54.0	47.0	28.0										
		40	114.0	110.0	105.0	101.0	96.0	91.0	86.0	81.0	76.0	70.5	65.0	59.0	53.0	46.0	39.0											
		50	109.0	105.0	100.0	95.0	90.0	85.0	80.5	75.0	69.0	64.0	58.0	52.0	45.0	38.0	29.0											
		60	104.0	99.0	94.0	89.0	84.0	80.0	74.0	69.0	63.0	57.0	51.0	44.0	36.0	28.0												
Shut-off PSI			199	190	182	173	164	156	147	138	130	121	112	104	95	86	78	56	34									

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

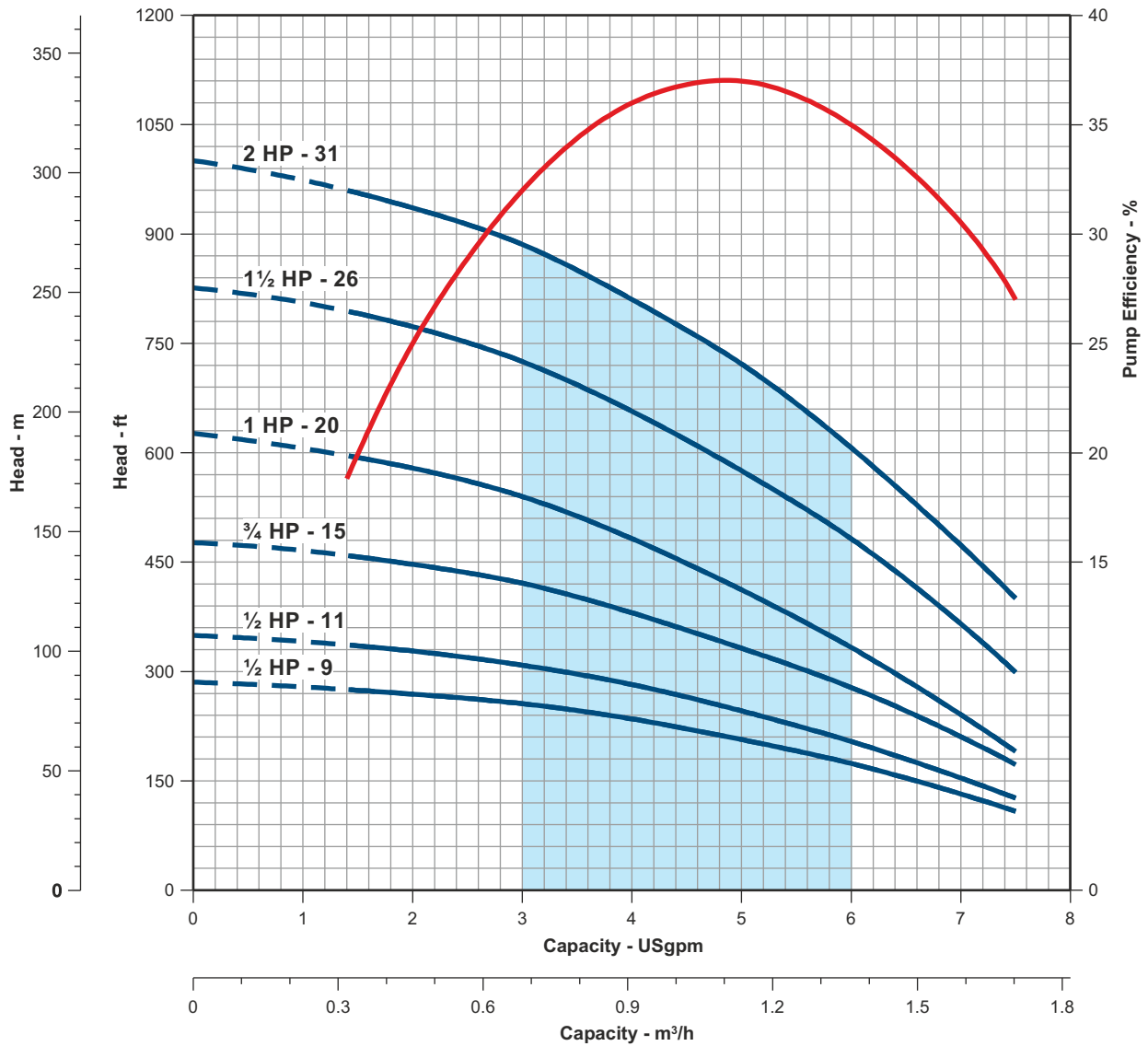
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0005

PERFORMANCE CURVE

5 GPM

Nominal RPM	3450
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.

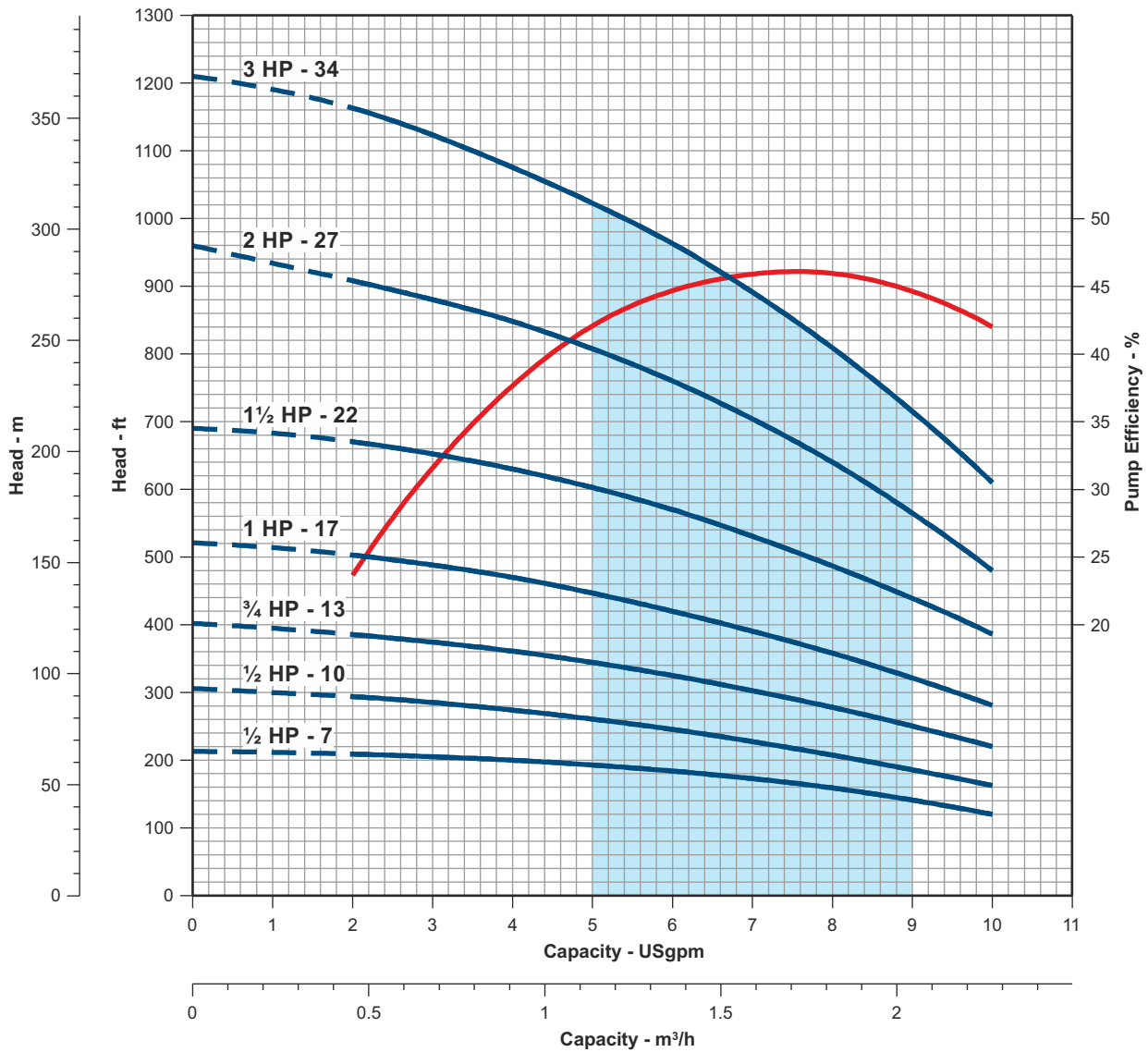
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0007

PERFORMANCE CURVE

7 GPM

Nominal RPM	3450
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.

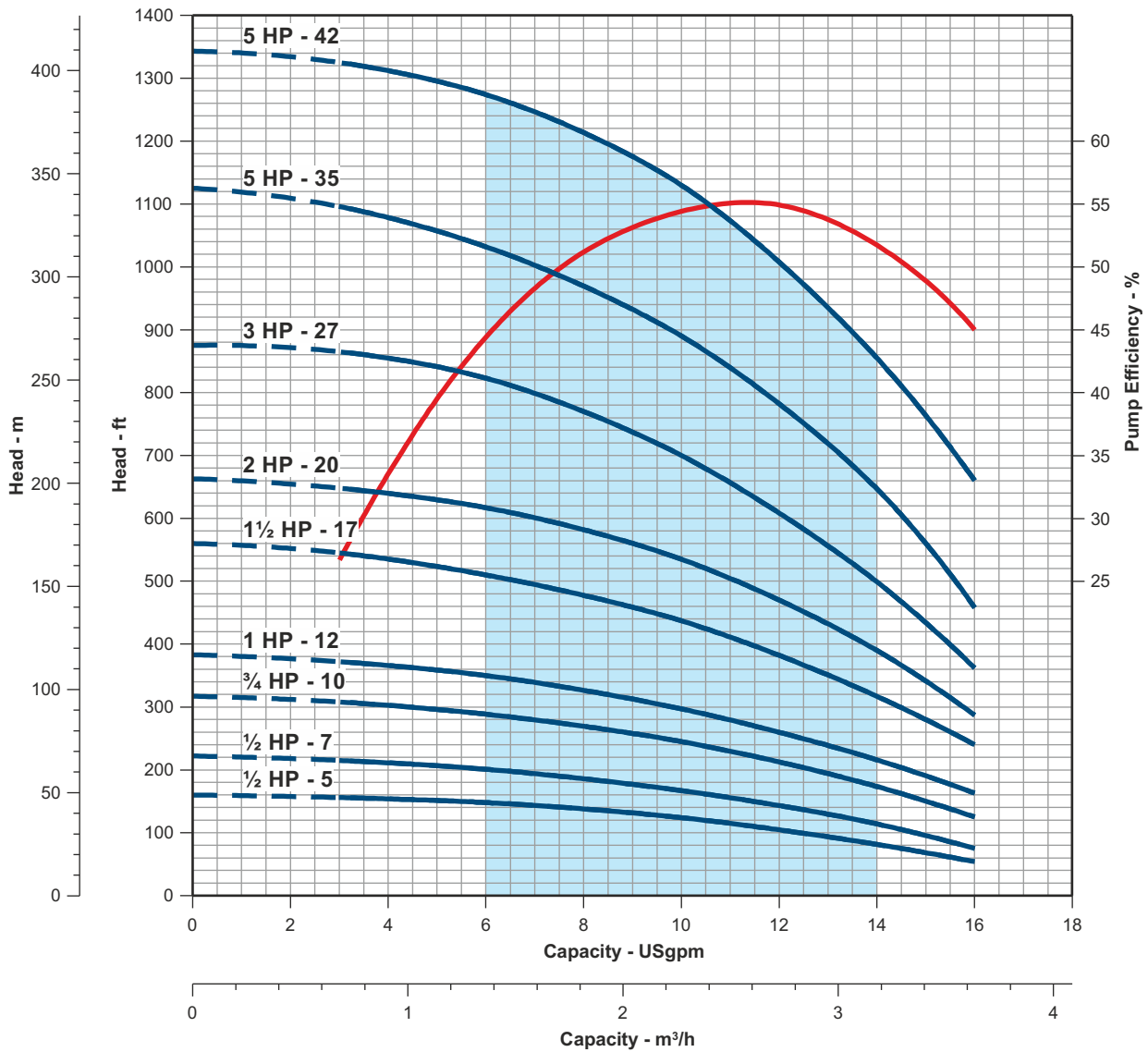
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0010

PERFORMANCE CURVE

10 GPM

Nominal RPM	3450
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.

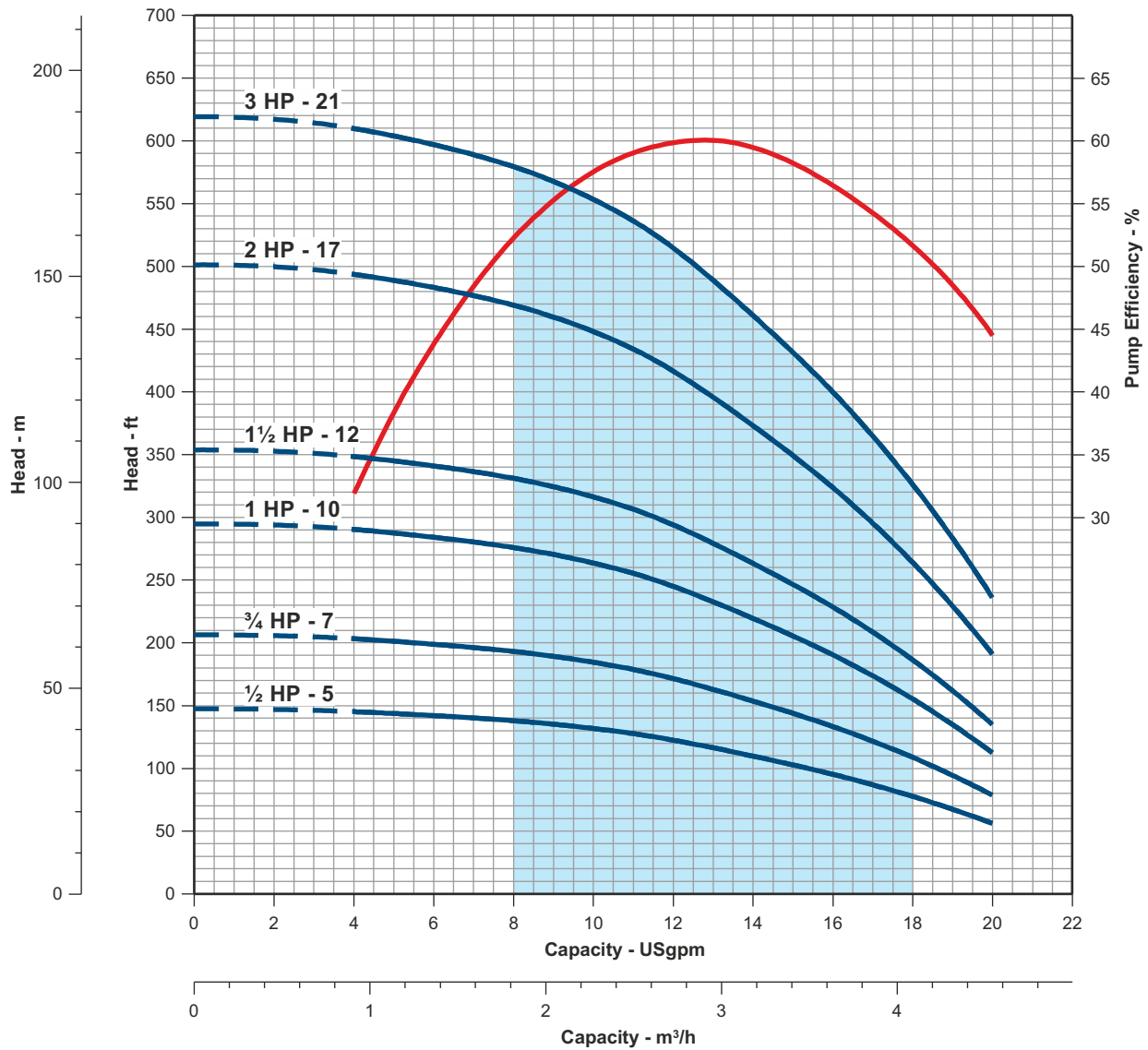
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0013

PERFORMANCE CURVE

13 GPM

Nominal RPM	3450
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.

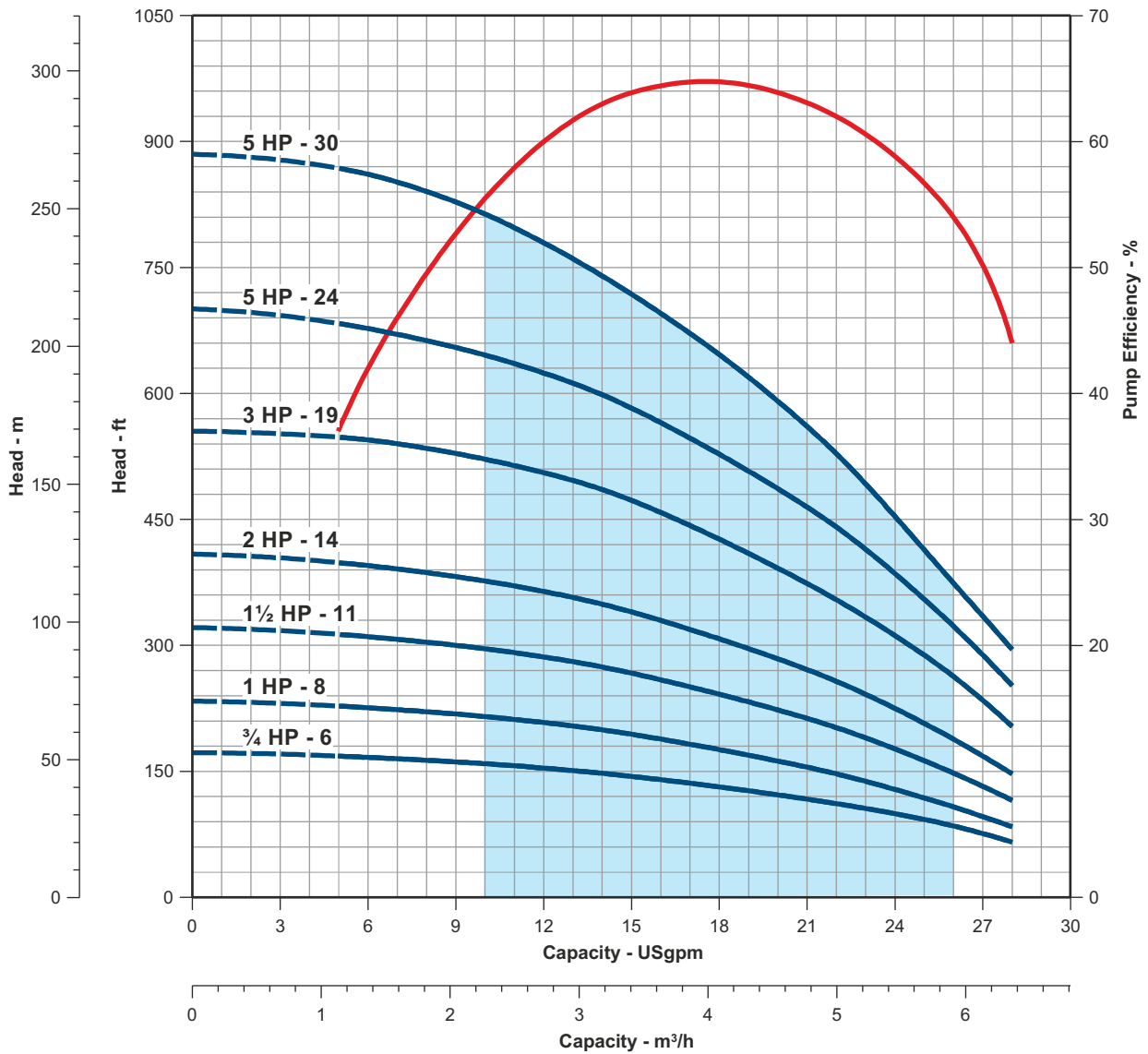
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0018

PERFORMANCE CURVE

18 GPM

Nominal RPM	3450
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.

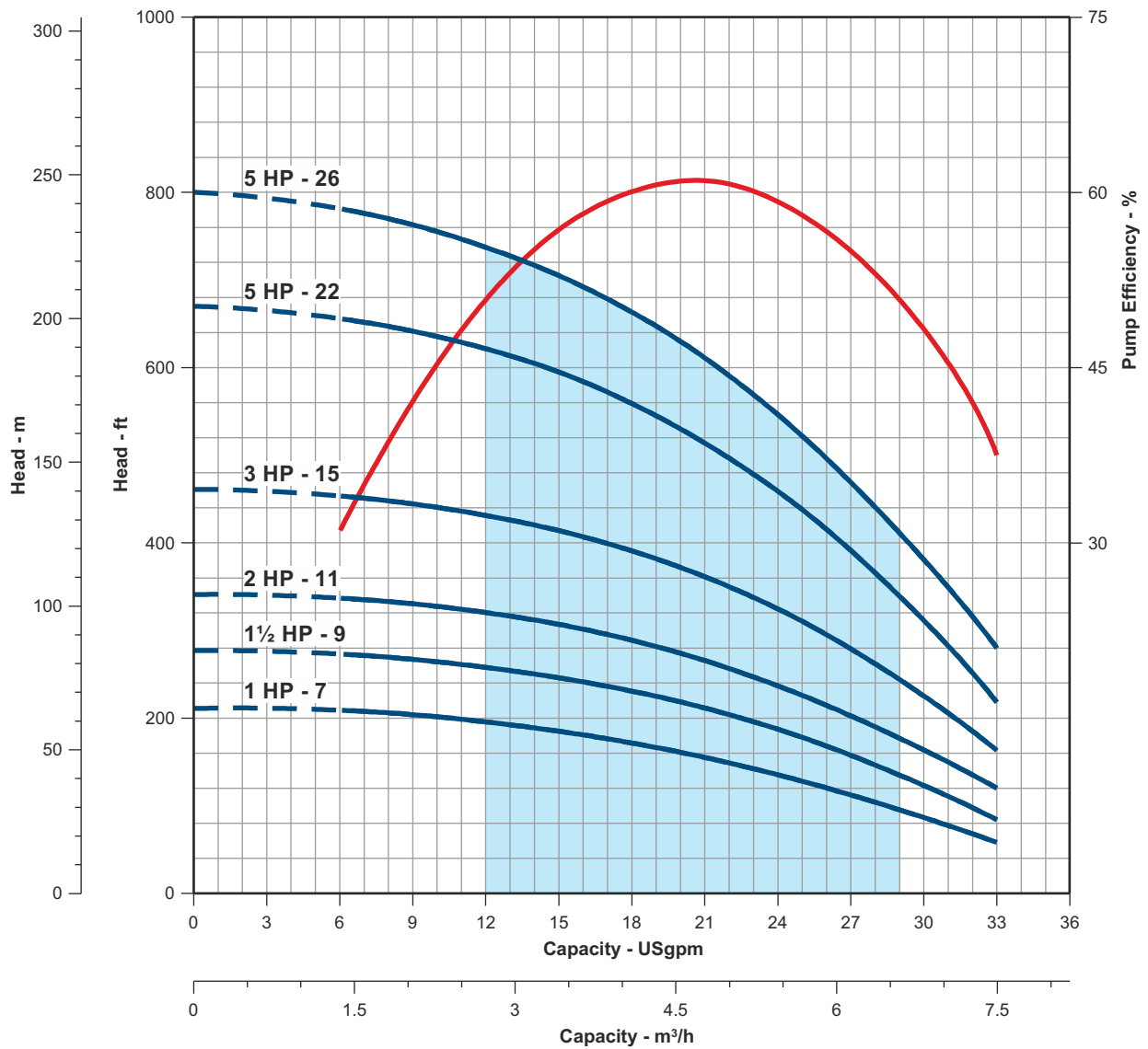
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0025

PERFORMANCE CURVE

25 GPM

Nominal RPM	3450
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.

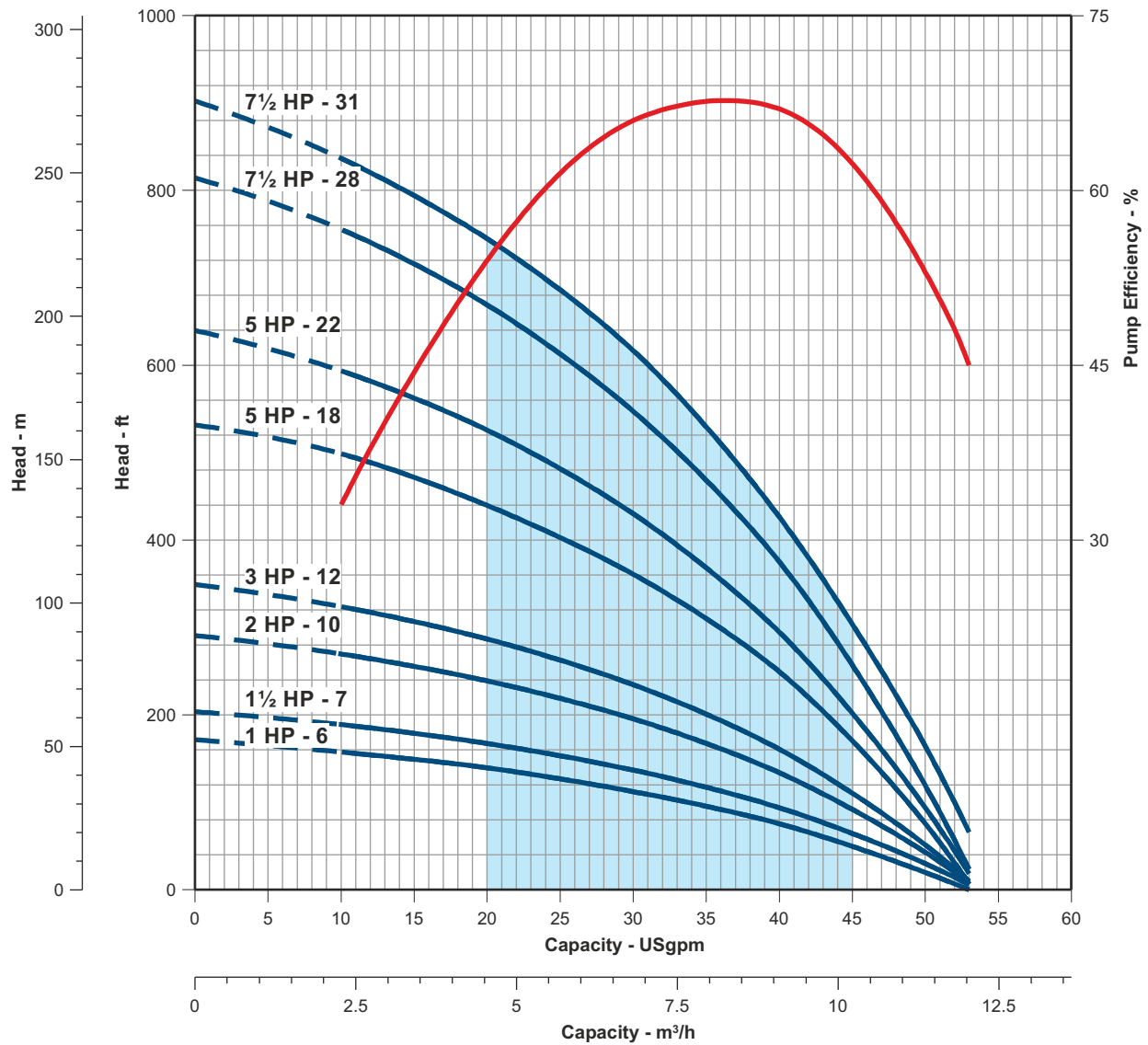
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0033

PERFORMANCE CURVE

33 GPM

Nominal RPM	3450
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.

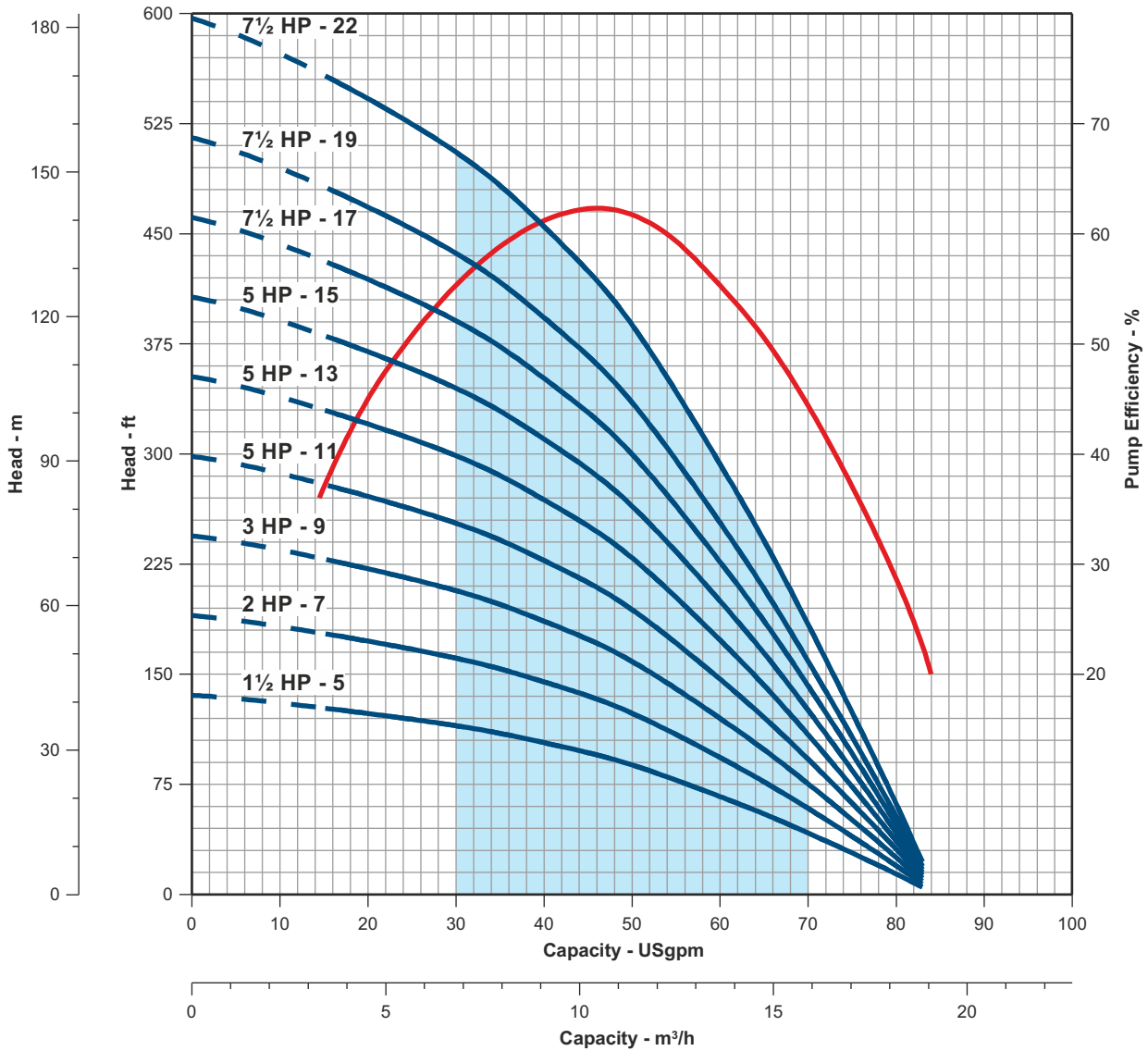
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0055

PERFORMANCE CURVE

55 GPM

Nominal RPM	3450
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.

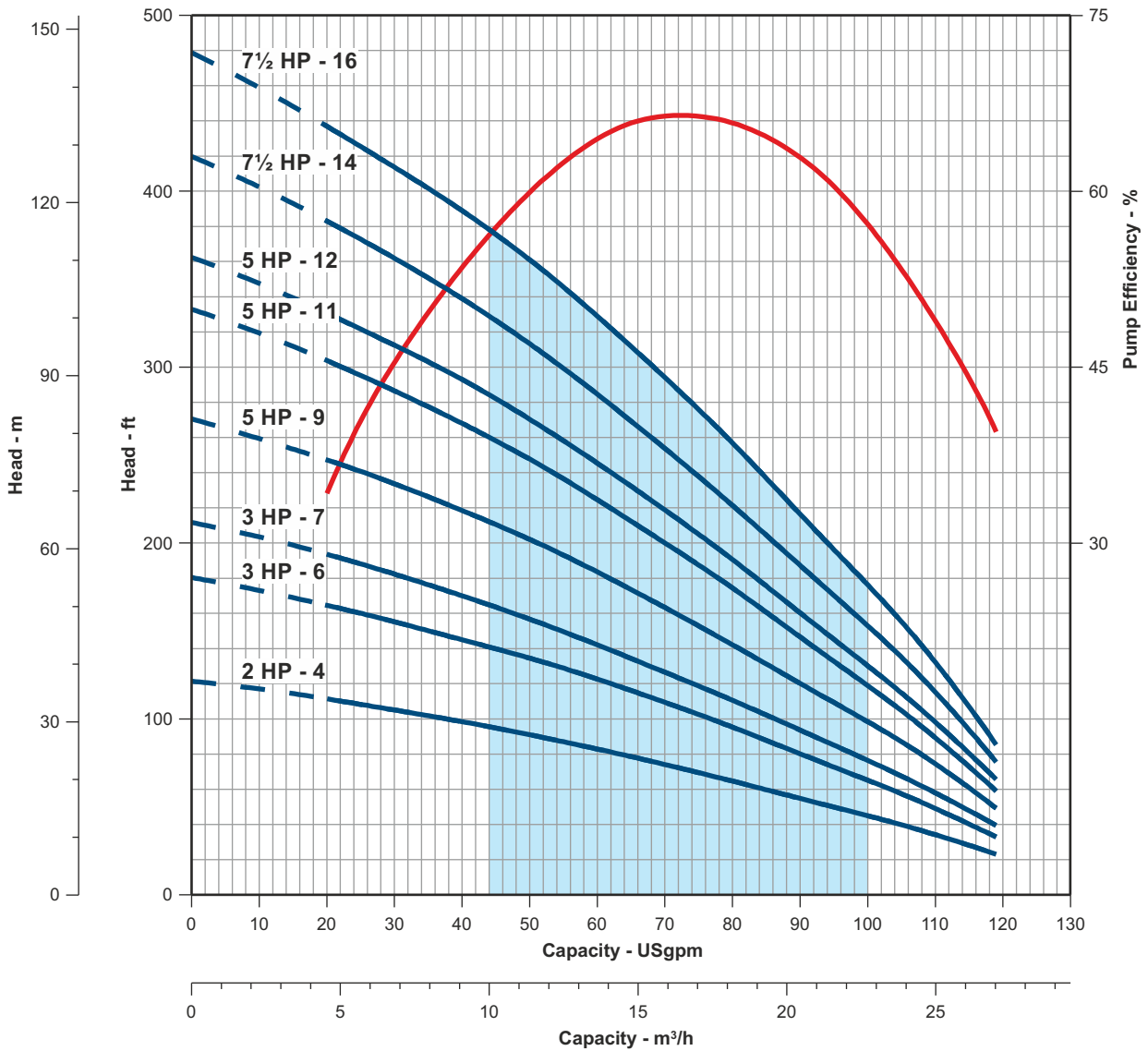
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0075

PERFORMANCE CURVE

75 GPM

Nominal RPM	3450
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.

GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

PUMP SIZE: 4"

DIMENSIONS

5 GPM to 75 GPM

MODEL NAME: NS-E-0005 PUMP SIZE: 4" 5 GPM

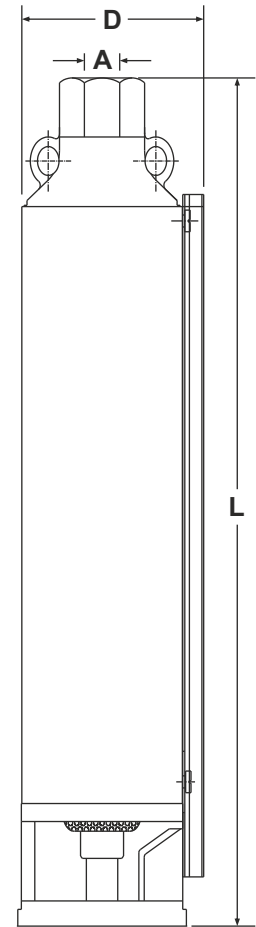
HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter across cable guard	L [inch]	WEIGHT [lbs]
1/2	9	4	1¼ NPT	3.94	13.15	18
1/2	11	4	1¼ NPT	3.94	14.54	19
3/4	15	4	1¼ NPT	3.94	17.28	21
1	20	4	1¼ NPT	3.94	21.93	22
1½	26	4	1¼ NPT	3.94	26.06	28
2	31	4	1¼ NPT	3.94	30.34	30

MODEL NAME: NS-E-0007 PUMP SIZE: 4" 7 GPM

HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter across cable guard	L [inch]	WEIGHT [lbs]
1/2	7	4	1¼ NPT	3.94	11.77	14
1/2	10	4	1¼ NPT	3.94	13.86	15
3/4	13	4	1¼ NPT	3.94	15.91	20
1	17	4	1¼ NPT	3.94	18.66	22
1½	22	4	1¼ NPT	3.94	23.31	24
2	27	4	1¼ NPT	3.94	26.73	28
3	34	4	1¼ NPT	3.94	32.76	32

MODEL NAME: NS-E-0010 PUMP SIZE: 4" 10 GPM

HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter across cable guard	L [inch]	WEIGHT [lbs]
1/2	5	4	1¼ NPT	3.94	10.39	10
1/2	7	4	1¼ NPT	3.94	11.77	11
3/4	10	4	1¼ NPT	3.94	13.86	12
1	12	4	1¼ NPT	3.94	15.24	14
1½	17	4	1¼ NPT	3.94	18.66	20
2	20	4	1¼ NPT	3.94	21.93	23
3	27	4	1¼ NPT	3.94	27.91	28
5	35	4	1¼ NPT	3.94	33.43	33
5	42	4	1¼ NPT	3.94	39.45	39



GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

PUMP SIZE: 4"

DIMENSIONS

5 GPM to 75 GPM

MODEL NAME: NS-E-0013 PUMP SIZE: 4" 13 GPM

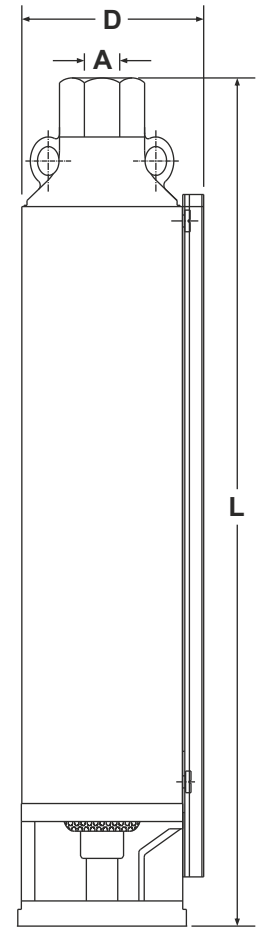
HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter across cable guard	L [inch]	WEIGHT [lbs]
1/2	5	4	1¼ NPT	3.94	10.39	11
3/4	7	4	1¼ NPT	3.94	11.77	12
1	10	4	1¼ NPT	3.94	13.86	14
1½	12	4	1¼ NPT	3.94	15.24	15
2	17	4	1¼ NPT	3.94	18.66	21
3	21	4	1¼ NPT	3.94	22.60	23

MODEL NAME: NS-E-0018 PUMP SIZE: 4" 18 GPM

HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter across cable guard	L [inch]	WEIGHT [lbs]
3/4	6	4	1¼ NPT	3.94	12.09	11
1	8	4	1¼ NPT	3.94	13.78	13
1½	11	4	1¼ NPT	3.94	16.34	18
2	14	4	1¼ NPT	3.94	18.90	20
3	19	4	1¼ NPT	3.94	24.33	25
5	24	4	1¼ NPT	3.94	28.58	30
5	30	4	1¼ NPT	3.94	34.84	33

MODEL NAME: NS-E-0025 PUMP SIZE: 4" 25 GPM

HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter across cable guard	L [inch]	WEIGHT [lbs]
1	7	4	1¼ NPT	3.94	13.50	13
1½	9	4	1¼ NPT	3.94	15.39	15
2	11	4	1¼ NPT	3.94	17.24	18
3	15	4	1¼ NPT	3.94	20.98	22
5	22	4	1¼ NPT	3.94	28.74	28
5	26	4	1¼ NPT	3.94	33.66	31



GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

PUMP SIZE: 4"

DIMENSIONS

5 GPM to 75 GPM

MODEL NAME: NS-E-0033 PUMP SIZE: 4" 33 GPM

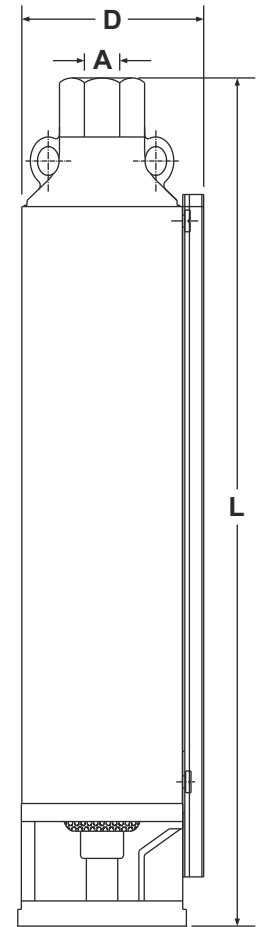
HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter across cable guard	L [inch]	WEIGHT [lbs]
1	6	4	2 NPT	3.94	14.92	15
1½	7	4	2 NPT	3.94	16.14	17
2	10	4	2 NPT	3.94	19.80	18
3	12	4	2 NPT	3.94	22.24	19
5	18	4	2 NPT	3.94	29.57	23
5	22	4	2 NPT	3.94	35.94	25
7½	28	4	2 NPT	3.94	43.27	30
7½	31	4	2 NPT	3.94	46.93	32

MODEL NAME: NS-E-0055 PUMP SIZE: 4" 55 GPM

HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter across cable guard	L [inch]	WEIGHT [lbs]
1½	5	4	2 NPT	3.94	17.83	18
2	7	4	2 NPT	3.94	21.93	20
3	9	4	2 NPT	3.94	26.02	22
5	11	4	2 NPT	3.94	30.12	24
5	13	4	2 NPT	3.94	35.71	26
5	15	4	2 NPT	3.94	39.80	29
7½	17	4	2 NPT	3.94	43.90	31
7½	19	4	2 NPT	3.94	47.99	33
7½	22	4	2 NPT	3.94	54.13	36

MODEL NAME: NS-E-0075 PUMP SIZE: 4" 75 GPM

HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter across cable guard	L [inch]	WEIGHT [lbs]
2	4	4	2 NPT	3.94	16.81	14
3	6	4	2 NPT	3.94	22.17	18
3	7	4	2 NPT	3.94	24.84	19
5	9	4	2 NPT	3.94	30.20	22
5	11	4	2 NPT	3.94	35.55	25
5	12	4	2 NPT	3.94	38.23	28
7½	14	4	2 NPT	3.94	43.58	31
7½	16	4	2 NPT	3.94	48.94	34



Limited Warranty for Deep Well Submersible Products

Northam Inc. offers limited Warranty on its Deep Well Submersible Products to be free from any defects in material or workmanship under normal intended use for the period as shown below.

Our Warranty shall not apply to any product that has been;

1. Subjected to misuse or misapplication.
2. Altered or modified without authorization from Northam Inc. or failure to use Northam Original Replacement Parts.
3. Improperly installed or installed with improper controls and protection against power irregularities.
4. Subjected to Dry Run or full Flow Shut Off condition.
5. Operated in liquids other than Potable Water.
6. Operated in liquid temperature higher than 86 degrees Fahrenheit.
7. Pumps which are clogged with mud, sand, gravel or any other foreign material.
8. Damaged due to accidental damage, fire, acts of God, or any other circumstances outside the control of Northam.
9. Repaired by persons who are not authorized by Northam.

This warranty does not cover normal wear and tear of products or parts thereof. It also does not cover change in performance of products due to normal wear and tear.

Northam Inc. shall not be responsible for removing or reinstallation of the products covered under this warranty nor shall be responsible for any charges associated with removal and reinstallation.

Northam Inc.'s obligation under this Warranty is limited to either repair or replace the product at Northam's sole discretion for any product found to Northam's reasonable satisfaction to have been found defective upon examination by Northam. The product shall have to be returned to Northam Inc.'s Clarks Summit facility or any other place that Northam Inc. shall designate within 30 days of failure for evaluation.

Northam is not responsible under this warranty for any cost of shipping or transportation of the product or parts thereof to or from Northam facility or any other place that Northam shall designate for product to be sent for evaluation or repairs.

This warranty is applicable only if the product is received by Northam Inc. without any damage during shipment back to Northam Inc. It does not cover products that are lost or cannot be returned to Northam Inc.

Northam Inc. does not warrant any parts or products that were not manufactured by them. Northam shall extend the warranty provided by the manufacturer of such parts or products under such circumstances.

Northam Inc. shall not cover drop cables, lead wires, control boxes or any accessories under Warranty.

This Warranty applies to products sold only in USA.

Northam Inc. shall not be liable for any consequential, incidental, or contingent damages or loss to persons or property whatsoever. The foregoing warranties are exclusive and in lieu of any written or implied warranties including but not limited to the implied warranties of merchantability or fitness for a particular purpose covering any product manufactured by Northam Inc. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above may not apply to you. Also some states do not allow a limitation on how long an implied warranty will last so the above limitation may not apply to you and during the period of this limited warranty any implied warranties of merchantability or fitness for particular purpose may not be excluded.

Limited Warranty Period for Deep well Submersible Products

4", 6", 8", 10 " Submersible Pumps or Motors or Complete Units.

Northam shall offer Limited warranty of above mentioned products for a period of 12 months from the date of installation or 18 months from the date of dispatch from Northam Inc. whichever comes first. The warranty shall cover only mechanical defects in material and workmanship.

Warranty Service

For products purchased directly from Northam kindly e mail to service@northam-inc.com with the following information. For Northam products purchased from our Authorised Dealers/Distributors kindly contact them directly with the following information.

1. Invoice number.
2. Date of purchase.
3. Product Type or Model number available on the name plate.
4. Product Serial number from the nameplate
5. Description of Defect with the product.
6. Your contact telephone number and address.

Once Northam will receive the above information, they shall promptly provide by return email a "Return Authorisation Form" and address to which the product shall be shipped by customer for evaluation of manufacturing defect by Northam. The customer shall then ship the product, freight prepaid to the address indicated, together with a Return Authorisation Form obtained from Northam. Unauthorised Returns and products sent without prepaid freight will not be accepted by Northam.

Once Product is received at Northam it shall be evaluated by Technical Service at Northam for any manufacturing defect and the customer shall be notified of the final outcome and any corrections that Northam shall be initiating if a manufacturing defect is found. Once a repaired or replacement product is ready it shall be shipped to the customer with freight charges to be paid by the customer.



Northam Inc.

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