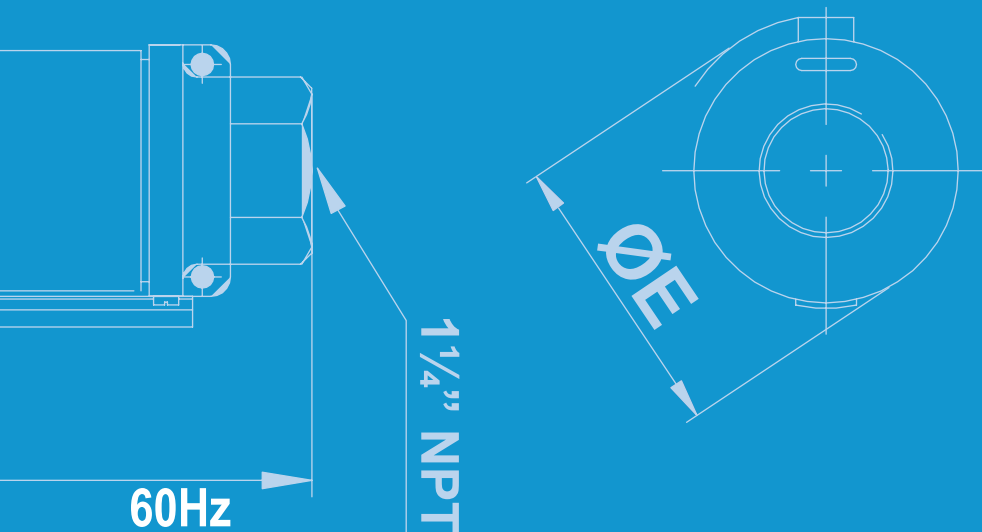


NS SERIES



GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS



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 glass reinforced thermoplastic. They are corrosion resistant and non-toxic.
- ▶ 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

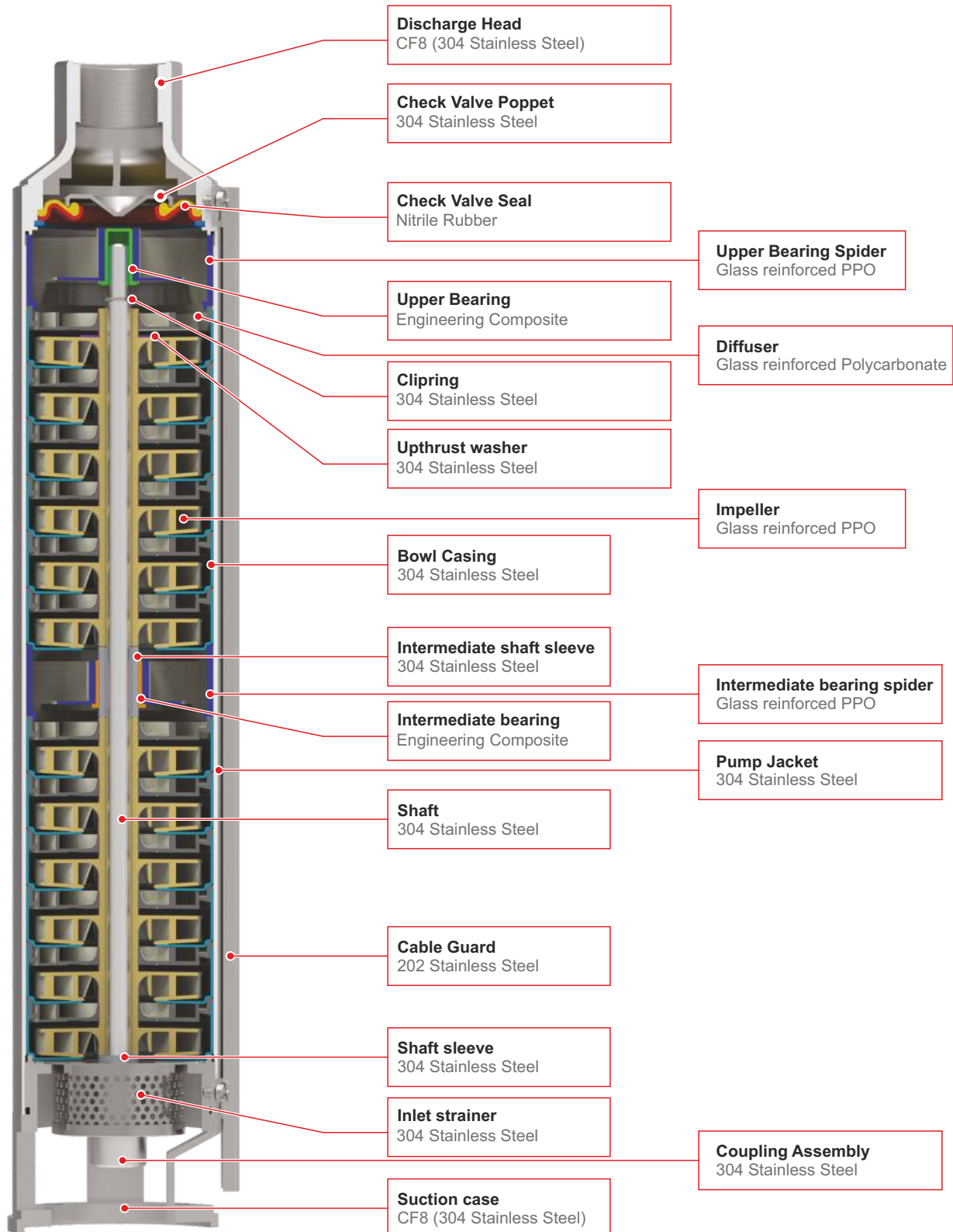
	4" Pump
Flow ratings	5, 7, 10, 13, 18, 25, 33, 55 & 75 GPM
Maximum head	1300 feet
Pump ratings	0.5 - 20 hp
Liquid temperature	+32 °F to +113 °F
Max. sand content	50 ppm

GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

PUMP SIZE: 4"

MATERIAL OF CONSTRUCTION

5 GPM to 75 GPM

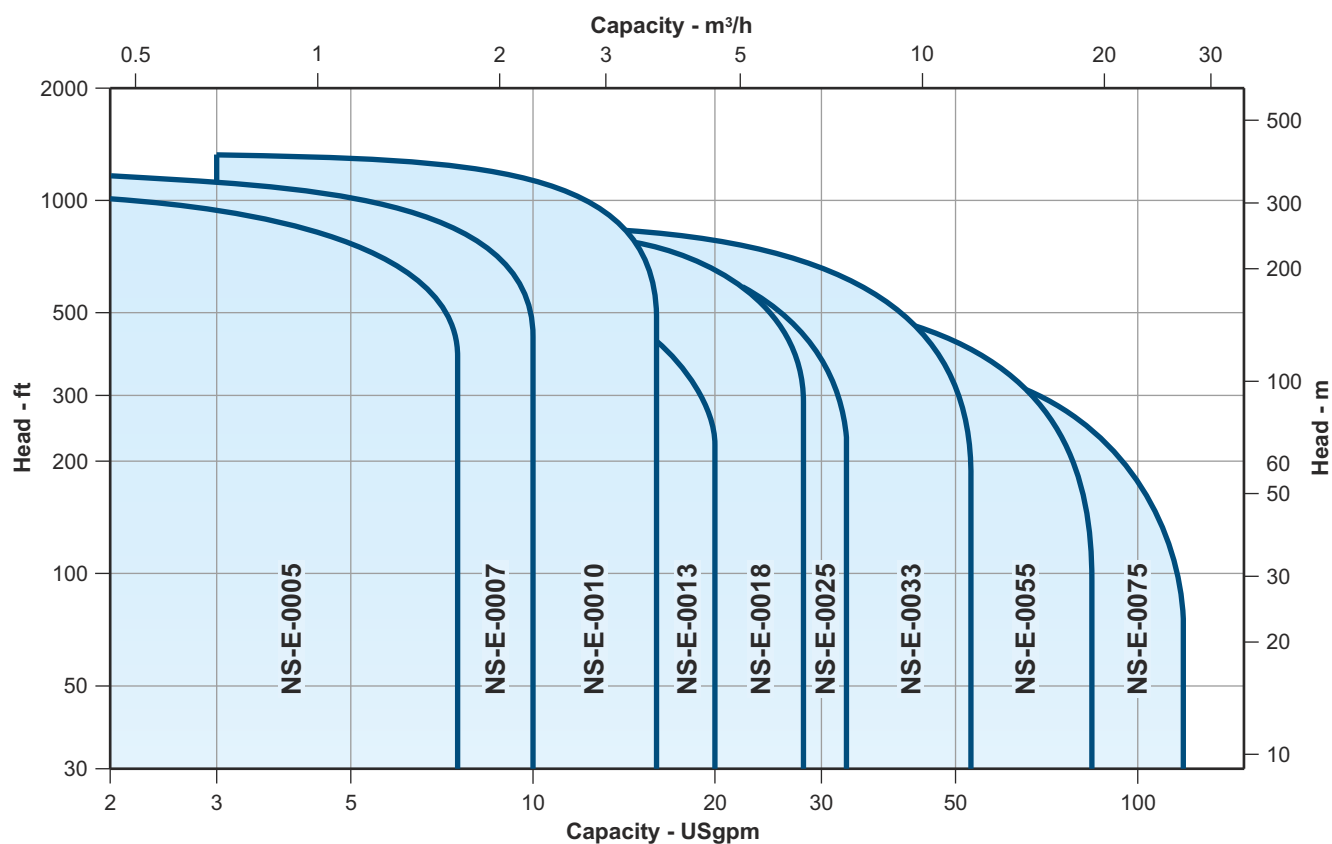


GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

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

NS

E

0005

12

4

4

A

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 Thermoplastic

Series name

Code	Series
NS	Submersible pump

Example:

NS-E-0005-12-4-4-A = Submersible pump, Glass reinforced thermoplastic, 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
	12	4"	NS-E-0005-12-4-4-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
	33	4"	NS-E-0005-33-4-4-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
	15	4"	NS-E-0025-15-4-4-A
33	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
	08	4"	NS-E-0033-08-4-4-C
	10	4"	NS-E-0033-10-4-4-C
	12	4"	NS-E-0033-12-4-4-C
	14	4"	NS-E-0033-14-4-4-C
	18	4"	NS-E-0033-18-4-4-C
	22	4"	NS-E-0033-22-4-4-C
	25	4"	NS-E-0033-25-4-4-C
	28	4"	NS-E-0033-28-4-4-C
	31	4"	NS-E-0033-31-4-4-C
	34	4"	NS-E-0033-34-4-4-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					7.4	7.1	6.7	6.3	5.8	5.2	4.7	3.8	3.0	1.8														
		20				7.0	6.6	6.2	5.6	5.0	4.3	3.6	2.7	1.5																
		30		7.3	6.9	6.5	6.1	5.5	5.0	4.3	3.5	2.5																		
		40	7.2	6.8	6.4	6.0	5.5	4.9	4.2	3.4	2.4																			
		50	6.8	6.4	5.9	5.5	4.8	4.0	3.2	2.0																				
		60	6.3	5.9	5.3	4.7	4.0	3.0	2.0																					
Shut-off PSI			121	112	103	95	86	77	68	60	51	42	34	25	16	8														
1/2	12	0							7.3	7.0	6.7	6.4	6.1	5.8	5.4	5.0	4.5	3.1												
		20					7.2	7.0	6.6	6.4	6.0	5.7	5.3	4.8	4.4	3.9	3.3													
		30				7.2	6.9	6.6	6.3	6.0	5.6	5.2	4.8	4.4	3.8	3.2	2.5													
		40			7.1	6.9	6.6	6.3	5.9	5.6	5.2	4.7	4.3	3.7	3.0	2.4														
		50		7.1	6.8	6.5	6.2	5.9	5.5	5.1	4.7	4.2	3.7	3.0	2.1															
		60	7.1	6.8	6.5	6.2	5.8	5.4	5.0	4.6	4.1	3.5	2.8	2.0																
Shut-off PSI			165	157	148	139	130	122	113	104	96	87	78	70	61	52	44	22												
3/4	15	0									7.3	7.1	6.9	6.7	6.5	6.3	6.0	5.3	4.5	3.5	2.0									
		20								7.1	6.9	6.7	6.5	6.2	6.0	5.7	5.4	4.6	3.5	2.1										
		30							7.0	6.8	6.6	6.4	6.2	5.9	5.6	5.3	5.0	4.1	2.9											
		40						7.0	6.8	6.6	6.4	6.1	5.9	5.6	5.3	5.0	4.7	3.6	2.3											
		50					7.0	6.8	6.6	6.3	6.1	5.9	5.6	5.3	4.9	4.6	4.2	3.0	1.5											
		60				6.9	6.7	6.5	6.3	6.1	5.8	5.5	5.2	4.9	4.5	4.1	3.7	2.4												
Shut-off PSI						200	191	183	174	165	157	148	139	130	122	113	104	83	61	39	18									
1	20	0												7.3	7.2	7.0	6.9	6.4	6.0	5.4	4.7	2.5								
		20											7.3	7.2	7.0	6.8	6.7	6.5	6.0	5.4	4.7	3.9								
		30									7.3	7.1	7.0	6.8	6.6	6.5	6.3	5.7	5.1	4.3	3.4									
		40								7.3	7.1	7.0	6.8	6.6	6.4	6.2	6.1	5.5	4.8	3.9	2.8									
		50							7.2	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.8	5.2	4.4	3.5	2.1									
		60						7.2	7.1	6.9	6.7	6.6	6.4	6.2	6.0	5.8	5.5	4.8	4.0	2.8	1.5									
Shut-off PSI								238	229	220	212	203	194	186	177	168	160	138	116	95	73	29								
1½	26	0																7.1	6.7	6.3	5.9	4.9	3.7	2.2						
		20																7.2	6.8	6.4	5.9	5.5	4.4	3.1						
		30																7.1	7.0	6.6	6.2	5.7	5.2	4.1	2.7					
		40																7.0	6.8	6.4	6.0	5.5	5.0	3.8	2.4					
		50													6.9	6.8	6.6	6.2	5.8	5.3	4.8	3.5	1.9							
		60												6.9	6.8	6.6	6.4	6.0	5.5	5.0	4.5	3.2								
Shut-off PSI														277	268	259	251	229	207	186	164	121	77	33.8						
2	33	0																			7.3	6.6	5.7	4.7	3.6	2.2				
		20																			7.4	7.0	6.2	5.3	4.3	2.9				
		30																			7.2	6.8	6.0	5.1	4.0	2.6				
		40																			7.4	7.0	6.6	5.8	4.8	3.7	2.3			
		50																			7.2	6.8	6.4	5.6	4.6	3.4	1.9			
		60																			7.4	7.1	6.7	6.2	5.4	4.3	3.1	1.5		
Shut-off PSI																					319	297	275	254	210	167	124	80	37	

MOST EFFICIENT OPERATING RANGE.

PERFORMANCES ARE SUBJECT TO PERIODIC CHANGES DUE TO CONTINUOUS IMPROVEMENTS.

7 GPM

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												
1½	17	0										15.4	14.8	13.7	13.1	11.5	9.7	7.0	3.0											
		20										15.4	14.8	14.2	13.7	13.0	12.4	10.7	8.3	5.5										
		30									15.8	15.3	14.7	14.2	13.7	13.0	12.4	10.7	8.3	5.5										
		40								15.7	15.2	14.7	14.1	13.5	13.0	12.3	11.7	9.8	7.3	3.7										
		50							15.6	15.1	14.6	14.0	13.5	12.8	12.2	11.5	10.8	8.8	5.8											
		60					15.5	15.0	14.5	14.0	13.4	12.8	12.1	11.5	10.8	10.0	7.3	4.0												
Shut-off PSI								191	182	173	165	156	147	139	130	121	113	91	69	48	26									
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																					322	279	235	192	149					
5	42	0																			15.6	14.6	13.4	12.1						
		20																			15.2	14.0	12.8	11.4						
		30																			15.0	13.8	12.5	11.0						
		40																		15.7	14.7	13.5	12.2	10.7						
		50																	15.5	14.5	13.2	11.9	10.3							
		60																15.3	14.2	12.9	11.5	9.8								
Shut-off PSI																						322	279	235	192	149				

MOST EFFICIENT OPERATING RANGE.

PERFORMANCES ARE SUBJECT TO PERIODIC CHANGES DUE TO CONTINUOUS IMPROVEMENTS.

13 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			19.5	17.5	15.3	12.5	9.0																					
		20	19.0	17.0	14.5	11.5	7.0																							
		30	16.5	14.0	11.0	6.8																								
		40	13.5	10.5	5.0																									
		50	10.0																											
		60																												
Shut-off PSI			61	52	43	35	26	17	9																					
3/4	7	0					18.5	17.0	15.5	13.5	11.0	8.0																		
		20		19.5	18.0	16.5	14.8	12.8	10.1	6.8																				
		30	19.3	18.0	16.4	14.5	12.5	10.0	5.8																					
		40	17.6	16.0	14.4	12.1	9.5	5.5																						
		50	15.9	14.0	11.8	9.0	4.0																							
		60	13.5	11.2	8.8																									
Shut-off PSI			87	78	69	61	52	43	35	26	17	9																		
1	10	0						19.8	18.8	17.9	16.8	15.8	14.5	13.2	11.5	9.6	6.5													
		20				19.5	18.5	17.5	16.5	15.4	14.0	12.8	10.8	8.8	5.5															
		30				19.3	18.4	17.5	16.5	15.2	14.0	12.5	10.8	8.5	5.0															
		40		19.3	18.2	17.4	16.2	15.0	13.6	12.2	10.3	8.0	4.0																	
		50	19.0	18.1	17.0	16.0	14.8	13.3	12.0	10.0	7.8																			
		60	18.0	17.0	16.0	14.5	13.2	11.5	9.8	7.0																				
Shut-off PSI			130	121	113	104	95	87	78	69	61	52	43	35	26	17	9													
1½	12	0								19.2	18.4	17.5	16.5	15.7	14.5	13.5	12.0	7.5												
		20							19.0	18.0	17.2	16.2	15.3	14.2	13.0	11.6	10.0	8.0												
		30						18.8	18.0	17.0	16.2	15.0	14.0	12.8	11.4	9.8	7.5	4.0												
		40			19.5	18.7	17.8	16.9	16.0	15.0	13.9	12.5	11.1	9.5	7.2															
		50		19.5	18.5	17.7	16.8	15.8	14.8	13.6	12.4	10.9	9.2	6.6																
		60	19.3	18.4	17.6	16.6	15.7	14.5	13.5	12.2	10.7	8.8	6.8																	

Date 12/02/21
Supersedes -

18 GPM

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			49.0	44.0	36.0	29.0	18.0																				
		20	48.0	41.5	35.0	25.0	15.0																						
		30	41.0	34.0	24.0	12.0																							
		40	32.0	22.0	10.0																								
		50	20.0																										
		60																											
Shut-off PSI			62	54	45	36	28	19	10																				
1½	8	0			49.0	45.0	40.0	35.0	29.0	21.0	13.0																		
		20	51.5	48.0	43.5	38.5	33.5	27.0	19.0	10.0																			
		30	47.0	43.0	38.0	32.0	25.0	17.0																					
		40	42.0	37.0	31.0	24.0	16.0																						
		50	36.0	30.0	23.0	14.0																							
		60	29.0	21.0	13.0																								
Shut-off PSI			87	78	69	61	52	43	35	26	17	9																	
2	10	0			52.0	49.0	46.0	42.0	38.0	33.5	28.0	22.0	15.0																
		20		51.0	48.0	45.0	41.0	37.0	32.0	27.0	20.0	14.0																	
		30	50.8	48.0	44.0	40.0	36.0	31.0	25.0	19.0	13.0																		
		40	47.0	43.5	39.5	35.0	30.0	25.0	18.5	12.0																			
		50	43.5	39.0	34.5	29.5	24.0	17.0	10.0																				
		60	38.0	34.0	29.0	23.0	16.0																						
Shut-off PSI			111	102	94	85	76	68	59	50	42	33	24	16															
3	12	0				51.5	49.5	47.0	44.0	40.5	37.0	32.5	28.0	23.0	18.0	12.0													
		20				48.5	46.0	43.0	39.0	35.5	31.0	26.0	22.0	16.0	10.0														
		30			48.5	45.5	42.2	38.5	35.0	30.5	26.0	21.0	15.0																
		40		48.0	45.0	41.5	38.0	34.0	30.0	25.0	20.0	15.0																	
		50	47.5	44.5	41.0	37.5	33.5	29.5	24.5	19.0	13.5																		
		60	44.0	40.5	37.0	33.0	29.0	24.0	18.0	12.0																			
Shut-off PSI			135	126	117	109	100	91	83	74	65	57	48																
3	14	0				52.5	51.0	49.2	47.0	44.5	41.5	38.5	35.5	32.0	28.0	24.0	12.0												
		20			52.0	50.5	48.5	46.5	43.5	40.5	37.5	34.5	31.0	27.0	23.0	18.0	13.0												
		30		52.0	50.0	48.0	46.0	43.0	40.0	37.0	34.0	30.5	26.0	22.0	17.5	12.0													
		40	51.5	50.0	48.0	45.5	43.0	40.0	36.5	33.0	30.0	26.0	22.0	17.0	11.0														
		50	49.5	47.5	45.0	42.0	39.0	36.0	33.0	29.0	25.0	21.0	16.0	10.0															
		60	47.0	44.5	42.0	39.0	36.0	32.0	29.0	24.0	20.0	15.0	10.0																
Shut-off PSI			159	150	142	133	124	116	107	98	90	81	72	64	55	46	38												
5	18	0							50.5	49.0	47.5	45.5	43.5	41.0	39.0	36.5	29.5	21.5	12.0										
		20						50.0	48.5	47.0	44.5	42.5	40.0	38.0	36.0	33.0	30.0	22.0	12.0										
		30					50.0	48.5	47.0	44.5	42.5	40.0	38.0	35.0	32.5	30.0	26.5	18.0											
		40			51.0	50.0	48.0	46.5	44.0	42.0	40.0	37.5	35.0	32.0	29.0	26.0	22.5	13.5											
		50		51.0	49.5	48.0	46.0	44.0	41.5	39.5	37.0	34.5	32.0	29.0	25.5	22.0	18.5												
		60	51.0	49.0	47.5	46.0	43.5	41.0	39.0	36.5	34.0	31.0	28.5	25.0	22.0	18.5	14.5												
Shut-off PSI			206	197	189	180	171	163	154	145	137	128	119	111	102	93	85	63	41	20									
5	22	0							52.5	51.5	50.5	49.0	48.0	46.5	44.5	43.0	38.0	32.5	26.5	20.0									
		20						52.5	51.0	50.0	49.0	47.5	46.0	44.0	42.5	40.5	38.5	33.5	27.5	20.5	12.0								
		30					52.0	51.0	50.0	48.5	47.5	45.5	44.0	42.0	40.0	38.5	36.5	30.5	24.0	17.0									
		40				52.0	51.0	49.8	48.2	47.0	45.5	44.0	42.0	40.0	38.0	36.0	34.0	27.5	20.5	13.0									
		50			51.5	50.5	49.5	48.0	47.0	45.0	43.5	41.5	40.0	37.5	35.5	33.5	31.5	25.0	17.5										
		60		51.5	50.5	49.5	48.0	46.5	45.0	43.5	41.5	39.5	37.5	35.5	33.0	30.5	28.0	21.0	14.0										
Shut-off PSI				246	237	228	220	211	202	194	185	176	168	159	150	142	133	111	90	68	46								
5	25	0										52.0	51.0	50.0	49.0	47.5	46.0	42.5	38.0	33.5	28.5	15.0							
		20									51.5	50.5	49.5	48.5	47.0	46.0	44.5	42.5	38.5	34.0	29.0	23.0							
		30						52.5	51.5	50.5	49.5	48.0	47.0	45.5	44.0	42.5	41.0	36.5	32.0	26.0	20.0								
		40					52.0	51.0	50.0	49.0	48.0	47.0	45.0	44.0	42.0	41.0	39.0	34.0	29.0	23.0	17.0								
		50			52.0	51.0	50.0	49.0	48.0	46.5	45.0	43.5	42.0	40.5	39.0	37.0	32.0	26.5	20.0	13.5									
		60		52.0	51.0	50.0	49.0	47.5	46.0	45.0	43.0	42.0	40.0	38.5	36.5	35.0	30.0	24.0	17.0										
Shut-off PSI					273	264	255	247	238	229	221	212	203	195	186	177	169	147	125	104	82	39							
7½	28	0											52.0	51.0	50.0	49.0	48.0	45.0	42.0	38.0	34.0	24.0	12.0						
		20										51.5	51.0	50.0	49.0	48.0	47.0	45.5	42.0	38.0	34.0	29.5	18.5						
		30								52.5	51.5	50.5	49.5	48.5	47.5	46.5	45.0	44.0	40.0	36.5	32.0	27.0	15.5						
		40						52.5	51.5	50.5	49.5	48.5	47.5	46.5	45.0	43.5	42.0	38.5	34.5	30.0	25.0	13.0							
		50				52.0	51.0	50.5	49.5	48.5	47.5	46.0	45.0	43.5	42.0	40.5	36.5	32.5	27.5	22.0	10.0								
		60			52.0	51.0	50.0	49.2	48.0	47.0	46.0	44.5	43.0	42.0	40.0	39.0	35.0	30.0	25.0	20.0									
Shut-off PSI					300	291	282	274	265	256	248	239	230	222	213	204	183	161	139	117	74	31							
7½	31	0											52.5	52.0	51.0	50.5	49.5	47.0	44.5	41.0	37.5	30.0	20.5	8.0					
		20										52.5	51.8	51.0	50.0	49.5	48.5	47.5	44.5	41.5	38.0	34.5	26.0	15.0					
		30										51.5	51.0	50.0	49.0	48.5	47.0	46.0	43.0	40.0	36.0	32.5	23.5	12.0					
		40								51.5	50.5	49.0	48.0	47.0	46.0	45.0	42.0	38.0	34.5	30.5	21.0								
		50					52.0	51.5	50.5	49.8	49.0	48.0	47.0	46.0	44.5	43.5	40.5	36.5	33.0	28.5	19.0								
		60			52.0	51.5	50.5	49.5	49.0	47.8	46.5	45.5	44.5	43.0	42.0	38.5	35.0	31.0	26.5	16.0									
Shut-off PSI						326	318	309	300	292	283	274	266	257	248	240	218	196	175	153	110	66	23.0						
7½	34	0												52.0	51.0	50.5	48.5	46.5	43.5	41.0	34.0	26.5	17.0						
		20											51.0	50.5	49.5	49.0	46.5	44.0	41.0	38.0	31.0	22.5	12.0						
		30																											

4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

MODEL NAME: NS-E-0055

SELECTION CHART

55 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			
1½	5	0		79.0	70.0	60.0	47.0	29.0																					
		20	67.0	56.5	42.0	23.0																							
		30	55.0	40.0	15.0																								
		40	37.0																										
		50																											
		60																											
Shut-off PSI			49	41	32	23	15	6																					
2	7	0			78.5	72.0	65.0	57.0	47.0	35.0	19.0																		
		20	77.0	70.0	62.0	54.0	44.0	31.0																					
		30	70.0	61.0	52.0	42.0	28.0																						
		40	60.0	51.0	40.0	26.0																							
		50	50.0	38.0	23.0																								
		60	35.0	20.0																									
Shut-off PSI			73	65	56	47	39	30	21	13	4																		
3	9	0				77.5	73.0	67.0	61.0	54.5	47.0	37.0	25.0																
		20				71.0	65.0	59.0	53.0	44.0	33.0	21.0																	
		30			70.0	64.0	58.0	51.0	42.0	31.0	18.0																		
		40	69.0	63.0	57.0	50.0	41.0	30.0	15.0																				
		50	62.0	56.0	49.0	40.0	27.0																						
		60	55.0	47.0	37.0	25.0																							
Shut-off PSI			97	88	79	71	62	53	45	36	27	19	10																
5	11	0					77.0	73.5	69.0	65.0	59.0	54.0	47.0	39.0	28.0	15.0													
		20			79.5	76.0	72.5	68.0	63.0	58.0	52.0	45.0	35.0	25.0															
		30	79.0	75.5	71.5	67.0	62.0	57.0	51.0	43.0	34.0	23.0																	
		40	75.0	71.0	66.5	62.0	56.0	50.0	42.0	32.0	21.0																		
		50	70.0	66.0	61.0	55.0	49.0	41.0	30.5	19.0																			
		60	65.0	60.0	54.0	48.0	39.0	29.0	17.0																				
Shut-off PSI			119	111	102	93	85	76	67	59	50	41	33	24	15	7													
5	13	0						77.0	74.0	70.0	66.5	62.5	58.0	53.0	47.0	40.0	31.0												
		20						72.5	69.0	65.0	61.0	56.0	51.0	45.0	37.0	28.5	18.0												
		30				75.5	72.0	68.0	64.5	60.0	55.5	50.0	43.0	35.5	27.0	17.0													
		40			75.0	71.5	68.0	64.0	60.0	55.0	49.0	42.0	35.0	25.5															
		50	74.5	71.0	67.0	63.0	59.0	54.0	48.0	41.0	33.0	25.0																	
		60	70.0	66.5	62.5	58.0	53.0	47.0	40.0	32.0	23.0																		
Shut-off PSI			143	135	126	117	109	100	91	83	74	65	57	48	39	31	22												
5	15	0						82.0	79.5	77.0	74.0	71.0	68.0	64.5	60.5	56.5	51.5	46.0	30.0										
		20						76.0	73.0	70.0	67.0	63.0	59.5	55.0	50.0	44.5	38.0	31.0											
		30	83.0	81.0	78.5	76.0	73.0	69.5	66.5	63.0	59.0	54.5	49.0	43.5	37.0	30.0	22.0												
		40	80.0	78.0	75.0	72.0	69.0	66.0	62.0	58.0	54.0	48.5	43.0	35.5	29.0	21.0													
		50	77.0	75.0	72.0	69.0	65.0	62.0	57.0	53.0	48.0	42.0	35.0	28.0	19.0														
		60	74.0	71.0	68.0	65.0	61.0	57.0	52.0	47.0	41.0	34.0	27.0	17.0															
Shut-off PSI			166	157	149	140	131	123	114	105	97	88	79	71	62	53	45	23											
7½	17	0							81.5	79.0	77.0	75.0	72.0	69.0	65.5	62.5	59.0	55.0	44.0	28.0									
		20								76.0	73.5	71.0	68.0	64.5	61.0	57.5	53.5	49.5	45.0	30.0									
		30									70.5	67.5	64.0	61.0	57.0	53.0	49.0	44.0	38.5	22.0									
		40	82.0	80.5	78.0	75.5	73.0	70.0	66.5	63.5	60.0	56.5	52.5	48.0	43.0	37.5	31.5												
		50	79.5	77.0	75.0	72.5	69.5	66.5	63.0	59.5	56.0	52.0	47.0	42.0	37.0	30.0	23.0												
		60	77.0	75.0	72.0	69.0	66.0	62.5	59.0	55.0	51.0	47.0	42.0	36.0	29.0	22.0													
Shut-off PSI			189	180	172	163	154	146	137	128	120	111	102	94	85	76	68	46	24										
7½	19	0								81.0	78.5	76.5	74.0	72.0	69.5	66.5	64.0	61.0	52.5	42.0	28.0								
		20									76.0	73.5	71.0	68.5	66.0	63.0	60.0	56.5	53.0	42.5	29.0								
		30										70.5	67.5	65.0	62.5	59.5	56.0	52.5	48.5	37.0	21.0								
		40											67.5	65.0	62.0	59.0	55.5	52.0	48.0	43.5	30.0								
		50	81.5	79.5	77.0	75.0	72.5	70.0	67.0	64.5	61.5	58.5	55.0	51.0	47.0	43.0	38.0	22.5											
		60	79.0	77.0	74.5	72.0	69.5	67.0	64.0	61.0	58.0	54.5	51.0	46.5	42.0	37.0	31.5												
Shut-off PSI			213	205	196	187	179	170	161	153	144	135	127	118	109	101	92	70	49	27									
7½	22	0									82.5	81.0	79.0	77.5	75.5	73.5	71.5	69.0	67.0	60.5	53.5	45.0	34.0						
		20										80.5	79.0	77.0	75.0	73.0	71.0	68.5	66.0	63.5	61.0	53.5	46.0	35.0	20.0				
		30											78.5	76.5	74.5	72.5	70.5	68.0	65.5	63.0	60.5	58.0	50.0	41.5	29.0				
		40												74.5	72.5	70.0	68.0	65.0	62.5	60.0	57.5	55.0	46.5	36.0	22.0				
		50													72.0	69.5	67.5	65.0	63.0	60.0	57.0	54.0	51.0	42.0	30.0				
		60	81.0	79.5	78.0	75.5	73.5	71.0	69.0	67.0	64.0	62.0	60.0	57.0	53.0	50.0	47.0	37.0	23.5										
Shut-off PSI			247	238	230	221	212	204	195	186	178	169	160	152	143	134	126	104	82	61	39								

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.

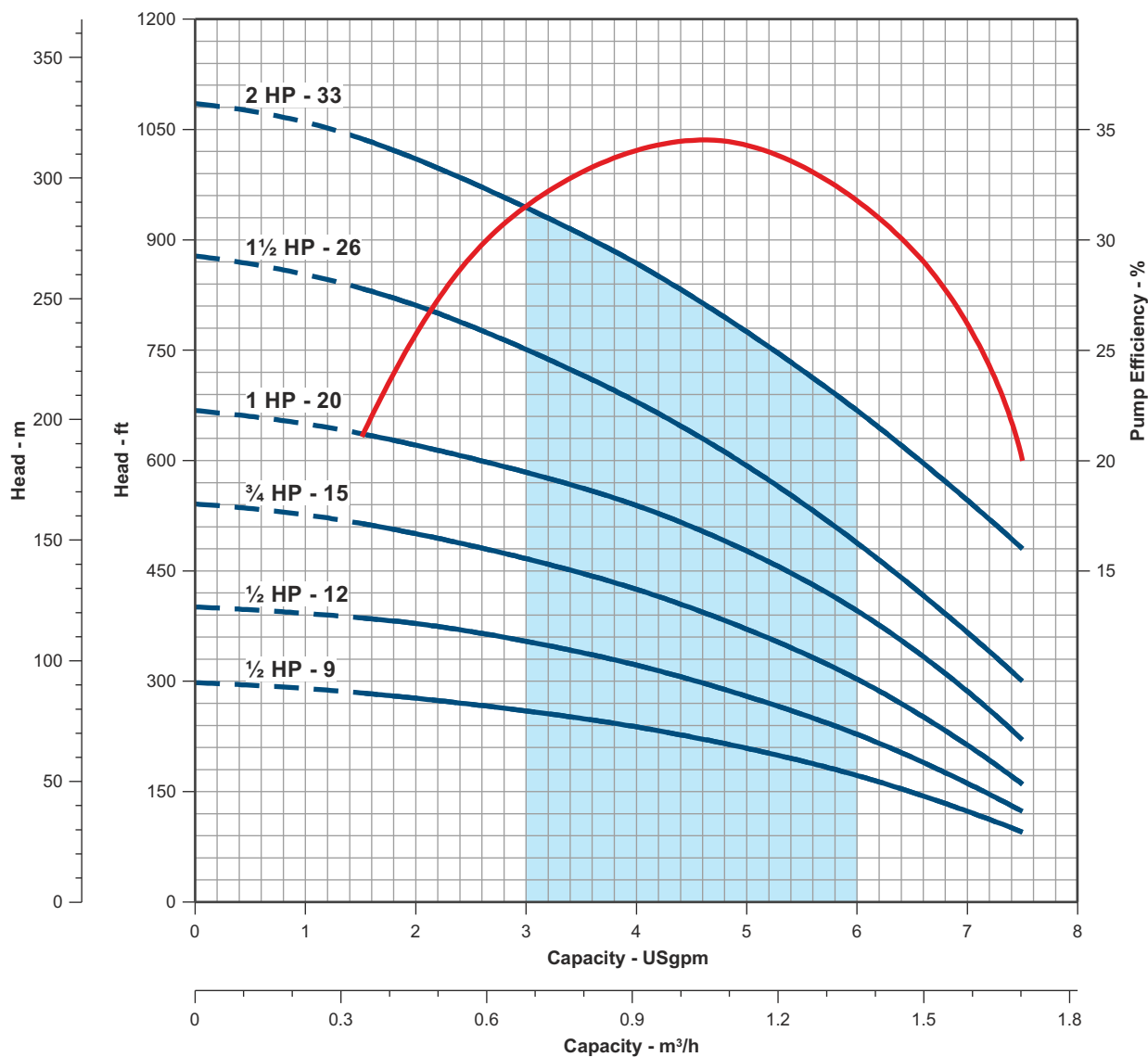
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

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.

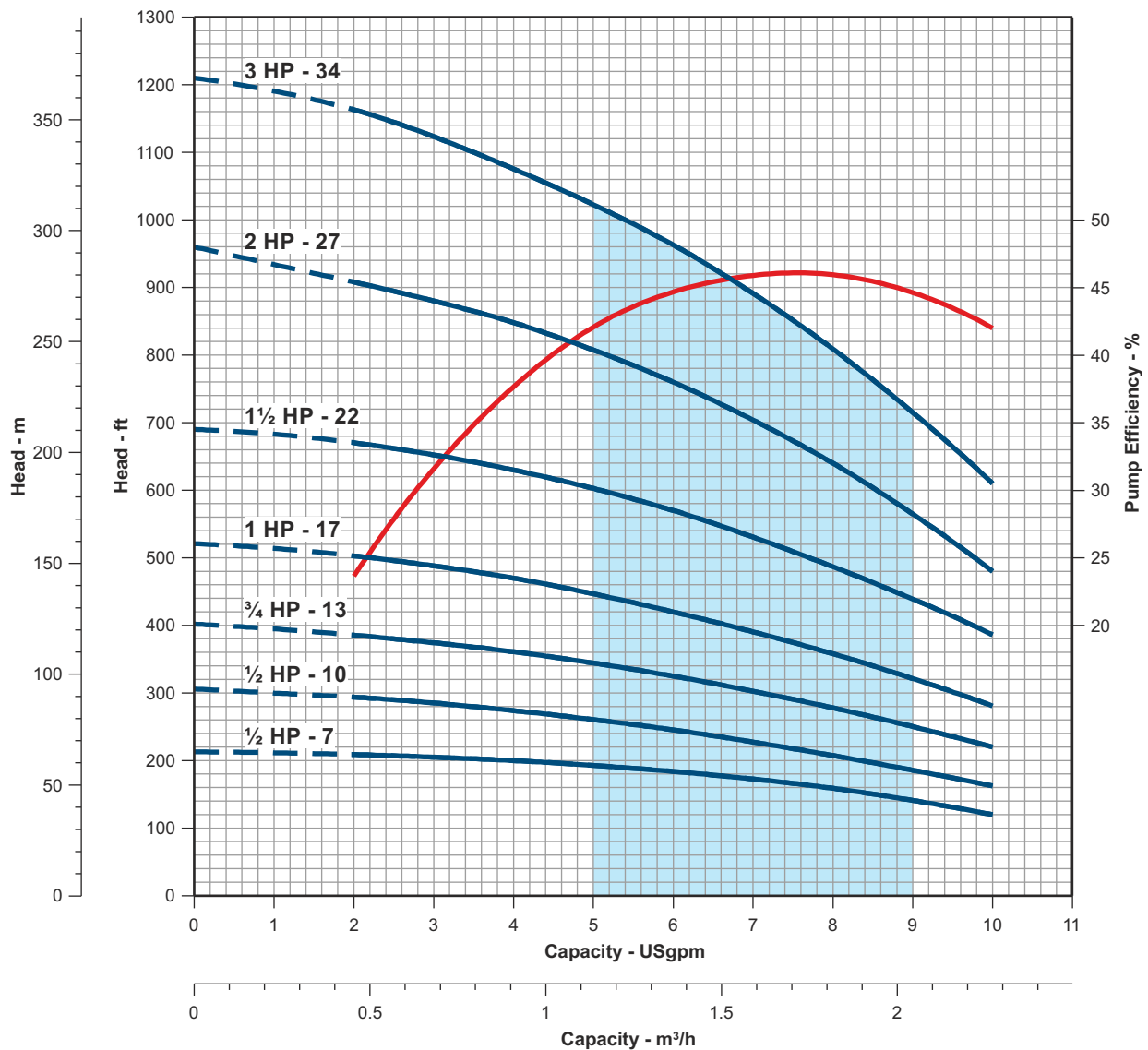
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

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.

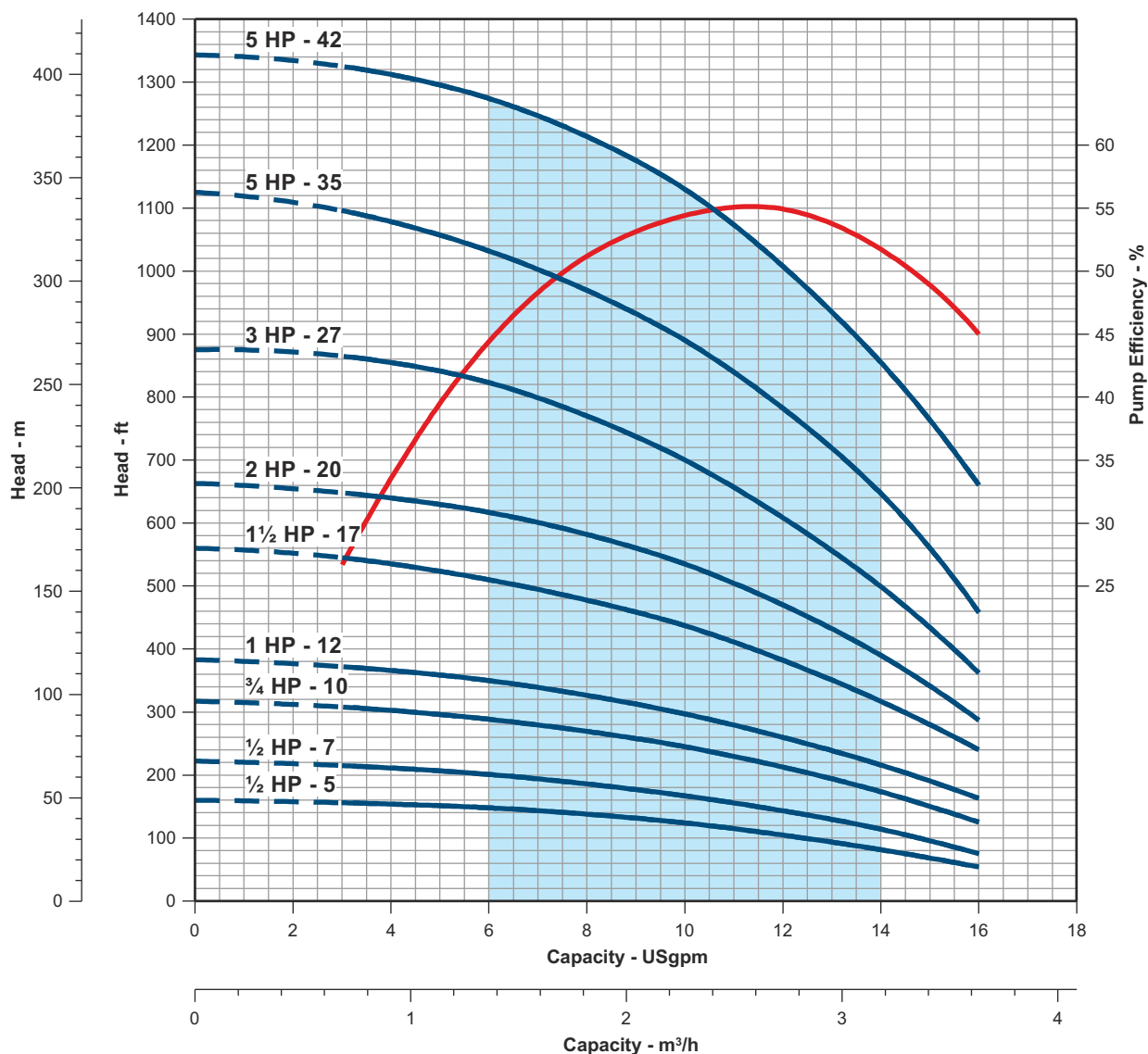
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

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.

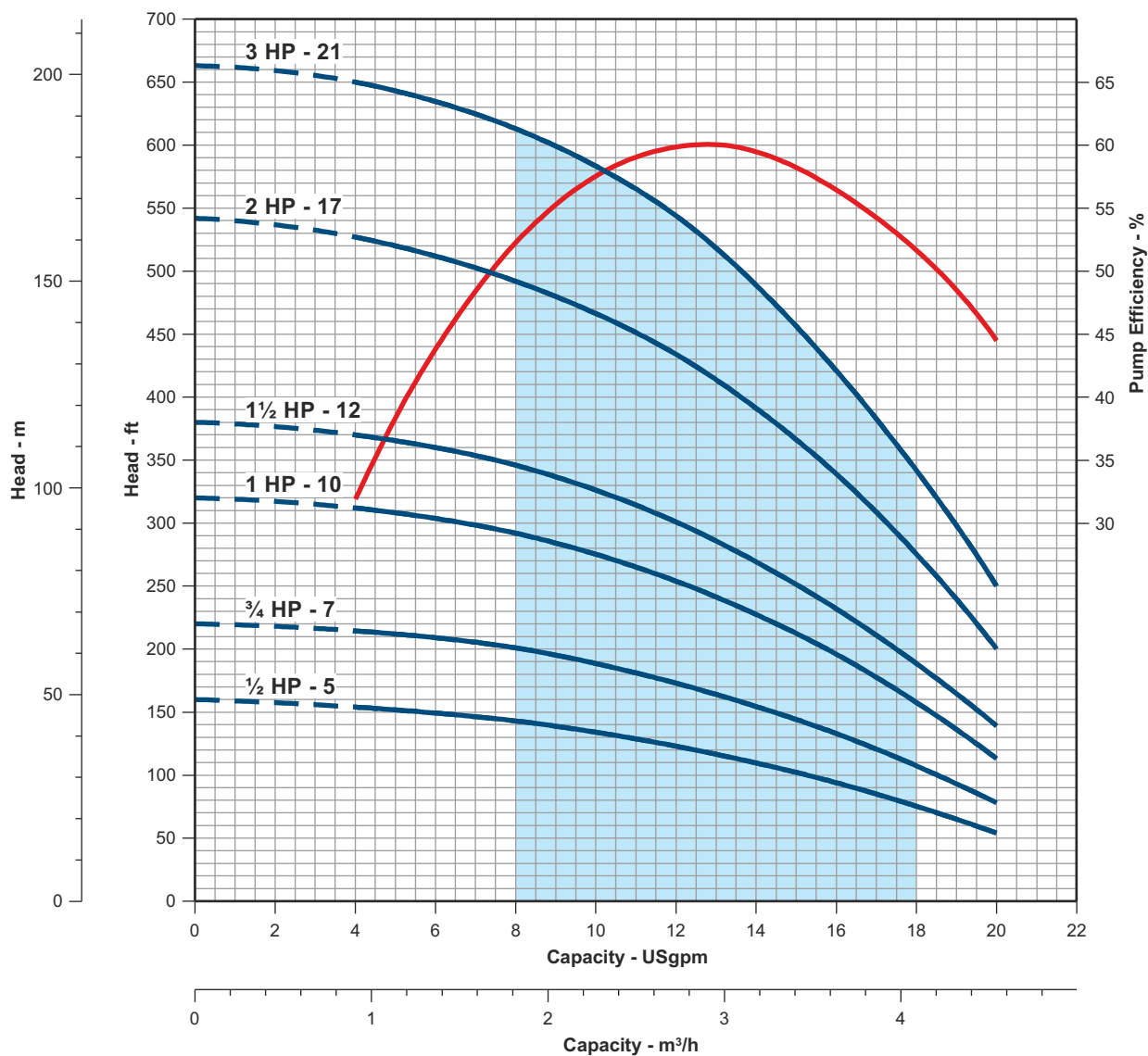
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

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.

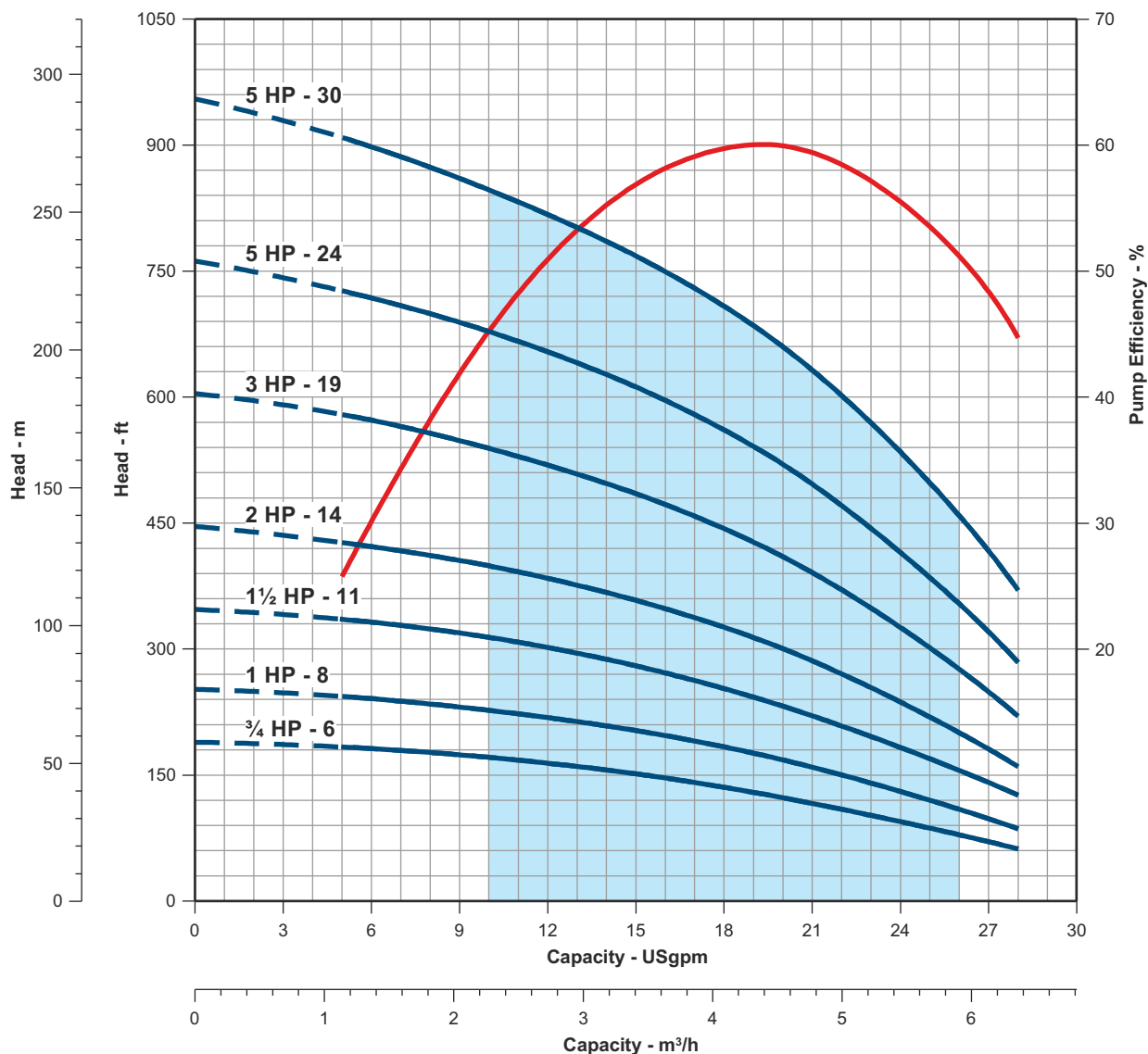
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

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.

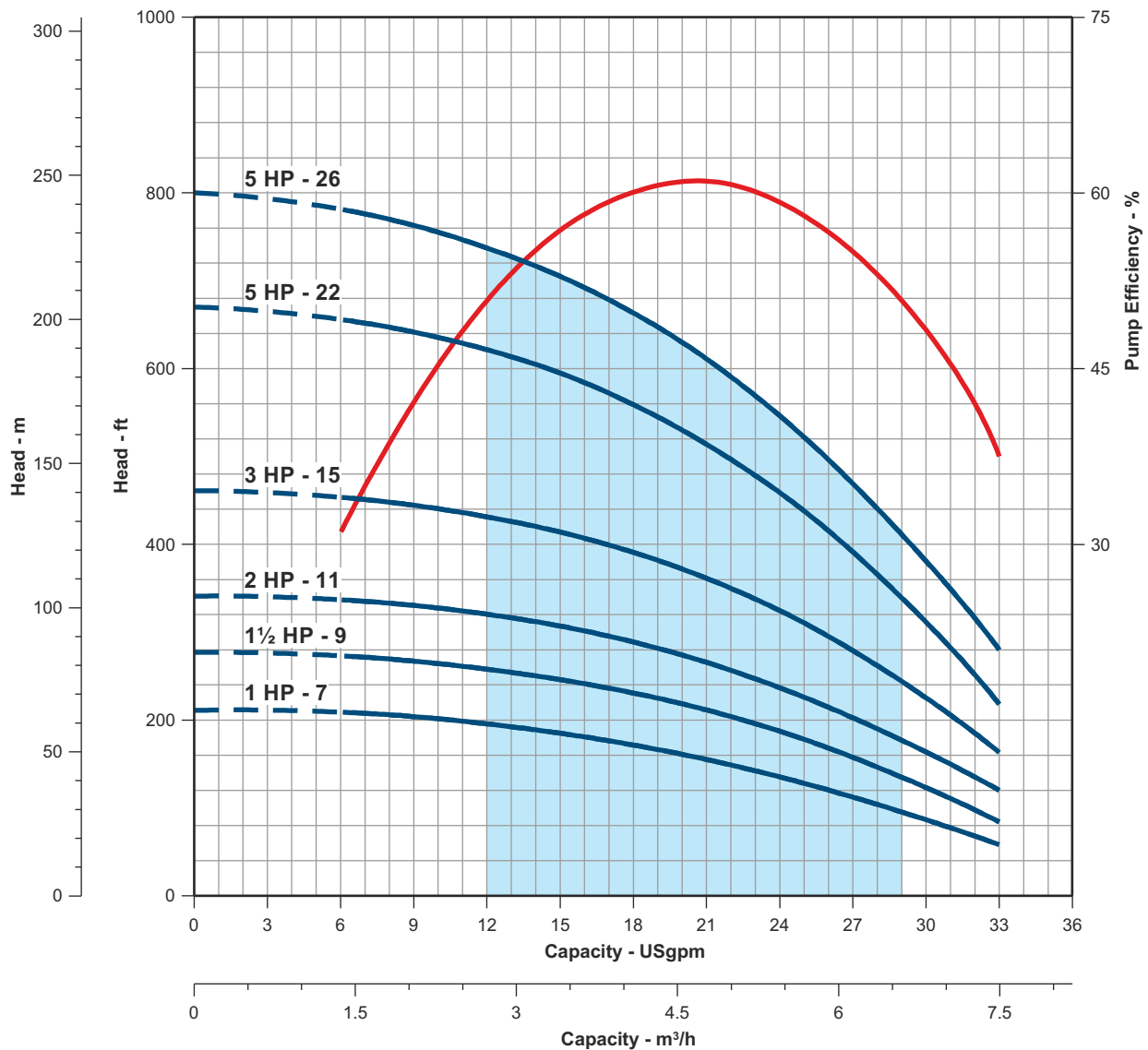
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

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.

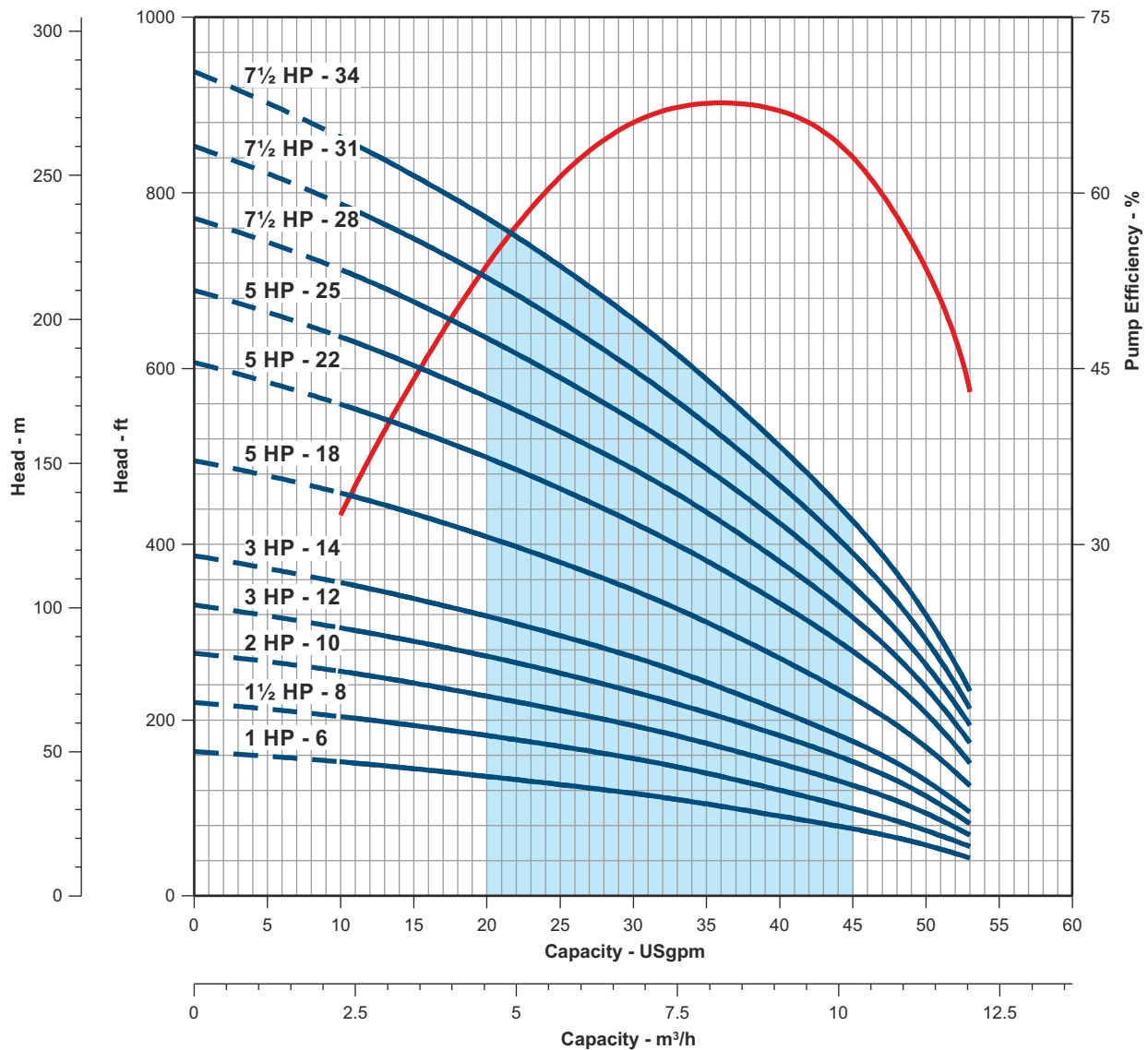
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

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.

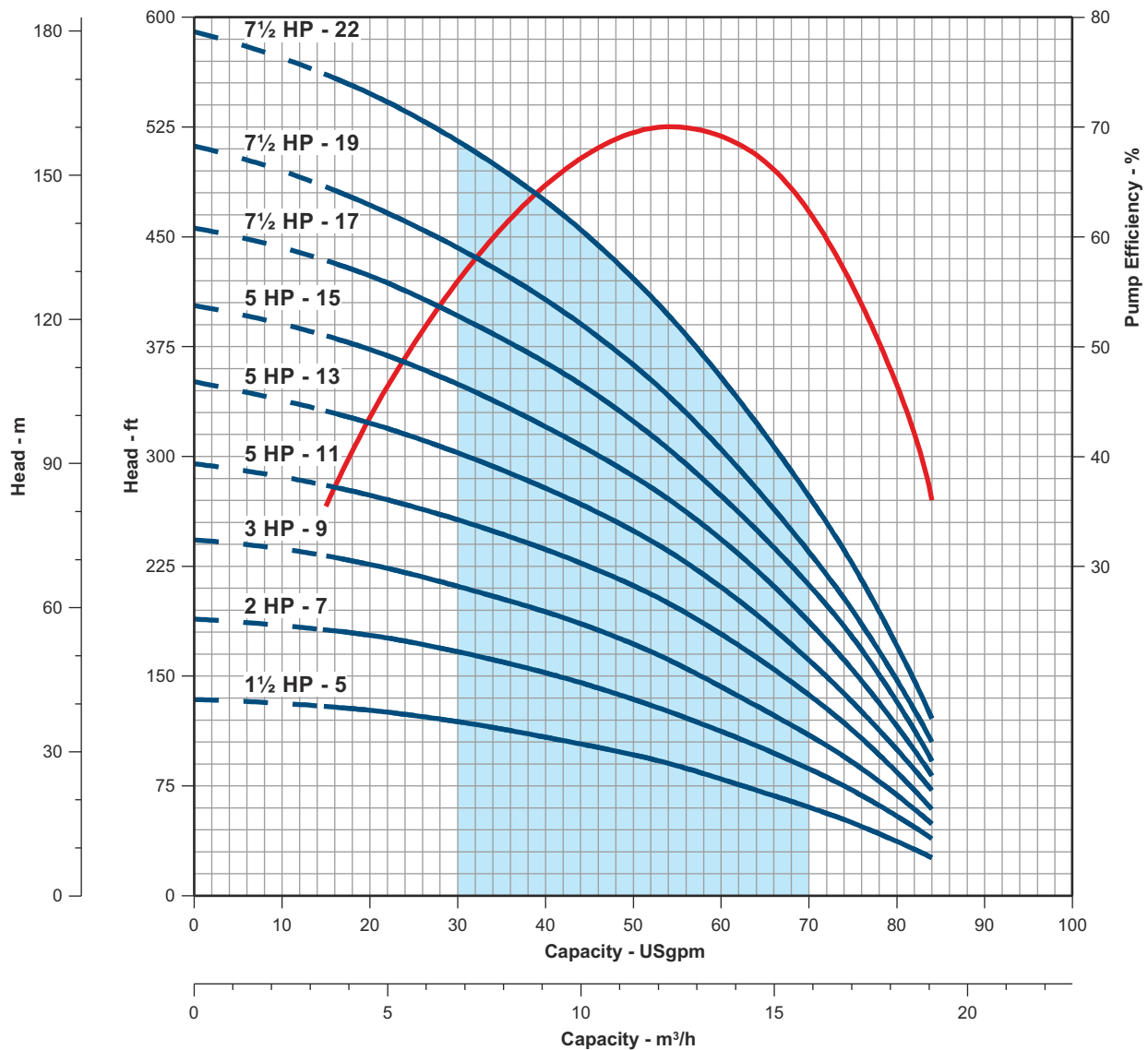
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

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.

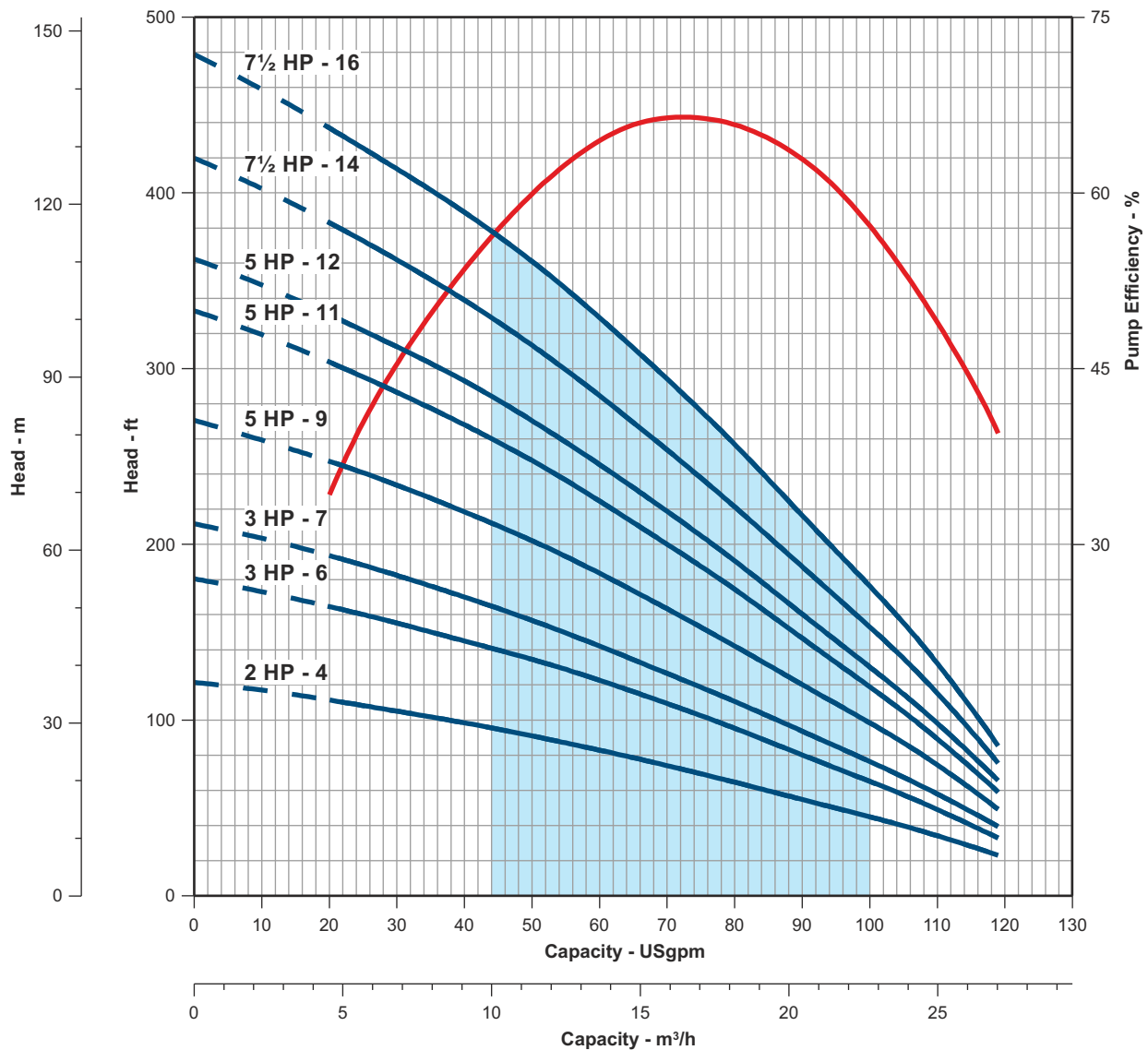
4" GLASS REINFORCED THERMOPLASTIC SUBMERSIBLE PUMPS

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	1 1/4 NPT	3.98	13.15	18
1/2	12	4	1 1/4 NPT	3.98	15.24	20
3/4	15	4	1 1/4 NPT	3.98	17.28	21
1	20	4	1 1/4 NPT	3.98	21.93	22
1 1/2	26	4	1 1/4 NPT	3.98	26.06	28
2	33	4	1 1/4 NPT	3.98	32.05	31

MODEL NAME: NS-E-0007

PUMP SIZE: 4"

7 GPM

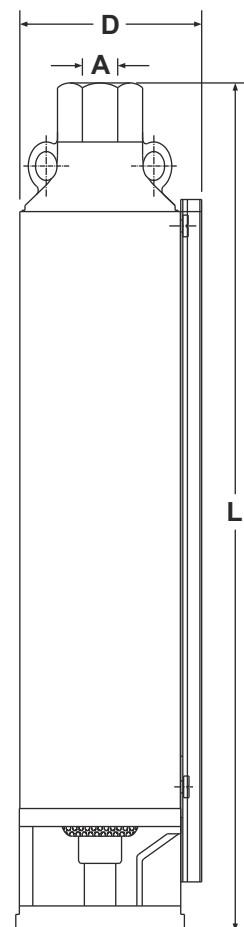
HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter across cable guard	L [inch]	WEIGHT [lbs]
1/2	7	4	1 1/4 NPT	3.98	11.77	14
1/2	10	4	1 1/4 NPT	3.98	13.86	15
3/4	13	4	1 1/4 NPT	3.98	15.91	20
1	17	4	1 1/4 NPT	3.98	18.66	22
1 1/2	22	4	1 1/4 NPT	3.98	23.31	24
2	27	4	1 1/4 NPT	3.98	26.73	28
3	34	4	1 1/4 NPT	3.98	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	1 1/4 NPT	3.98	10.39	10
1/2	7	4	1 1/4 NPT	3.98	11.77	11
3/4	10	4	1 1/4 NPT	3.98	13.86	12
1	12	4	1 1/4 NPT	3.98	15.24	14
1 1/2	17	4	1 1/4 NPT	3.98	18.66	20
2	20	4	1 1/4 NPT	3.98	21.93	23
3	27	4	1 1/4 NPT	3.98	27.91	28
5	35	4	1 1/4 NPT	3.98	33.43	33
5	42	4	1 1/4 NPT	3.98	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	3.98	10.39	11
3/4	7	4	1¼ NPT	3.98	11.77	12
1	10	4	1¼ NPT	3.98	13.86	14
1½	12	4	1¼ NPT	3.98	15.24	15
2	17	4	1¼ NPT	3.98	18.66	21
3	21	4	1¼ NPT	3.98	22.60	23

MODEL NAME: NS-E-0018

PUMP SIZE: 4"

18 GPM

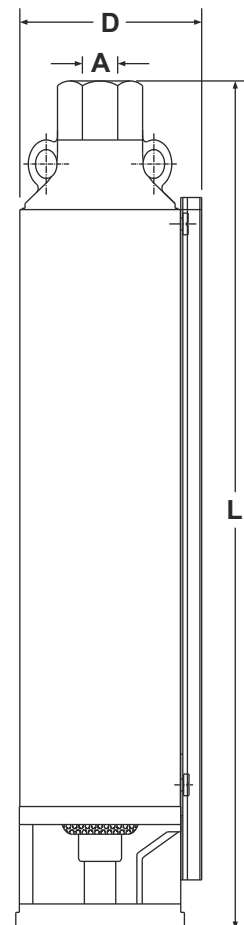
HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter across cable guard	L [inch]	WEIGHT [lbs]
3/4	6	4	1¼ NPT	3.98	12.09	11
1	8	4	1¼ NPT	3.98	13.78	13
1½	11	4	1¼ NPT	3.98	16.34	18
2	14	4	1¼ NPT	3.98	18.90	20
3	19	4	1¼ NPT	3.98	24.33	25
5	24	4	1¼ NPT	3.98	28.58	30
5	30	4	1¼ NPT	3.98	34.84	33

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	3.98	13.50	13
1½	9	4	1¼ NPT	3.98	15.39	15
2	11	4	1¼ NPT	3.98	17.24	18
3	15	4	1¼ NPT	3.98	20.98	22
5	22	4	1¼ NPT	3.98	28.74	28
5	26	4	1¼ NPT	3.98	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	3.98	14.92	15
1½	8	4	2 NPT	3.98	17.36	17
2	10	4	2 NPT	3.98	19.80	18
3	12	4	2 NPT	3.98	22.24	19
3	14	4	2 NPT	3.98	24.69	20
5	18	4	2 NPT	3.98	29.57	23
5	22	4	2 NPT	3.98	35.94	25
5	25	4	2 NPT	3.98	39.61	28
7½	28	4	2 NPT	3.98	43.27	30
7½	31	4	2 NPT	3.98	46.93	32
7½	34	4	2 NPT	3.98	50.59	34

MODEL NAME: NS-E-0055

PUMP SIZE: 4"

55 GPM

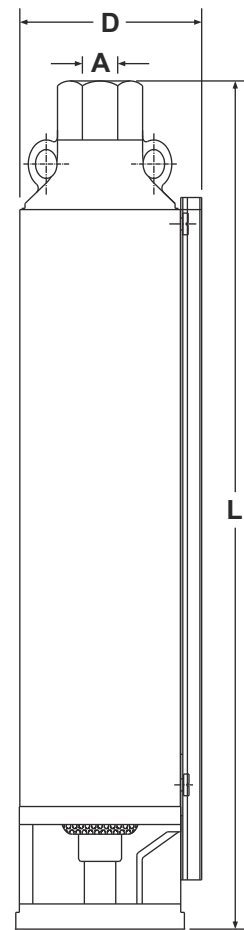
HP	STAGES	MOTOR SIZE [inch]	A [inch]	D [inch] Max. diameter across cable guard	L [inch]	WEIGHT [lbs]
1½	5	4	2 NPT	3.98	17.83	18
2	7	4	2 NPT	3.98	21.93	20
3	9	4	2 NPT	3.98	26.02	22
5	11	4	2 NPT	3.98	30.12	24
5	13	4	2 NPT	3.98	35.71	26
5	15	4	2 NPT	3.98	39.80	29
7½	17	4	2 NPT	3.98	43.90	31
7½	19	4	2 NPT	3.98	47.99	33
7½	22	4	2 NPT	3.98	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	3.98	16.81	14
3	6	4	2 NPT	3.98	22.17	18
3	7	4	2 NPT	3.98	24.84	19
5	9	4	2 NPT	3.98	30.20	22
5	11	4	2 NPT	3.98	35.55	25
5	12	4	2 NPT	3.98	38.23	28
7½	14	4	2 NPT	3.98	43.58	31
7½	16	4	2 NPT	3.98	48.94	34



NOTE

[illegible]

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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