



Stainless steel Submersible Pumps for 4", 6", 8" & 10"

**"Experience the Difference,
The Ultimate Choice for Your Water Needs!"**

60 Hz

○ ABOUT NIAGARA STAINLESS STEEL FABRICATED PUMPS

NIAGARA Sheet Metal SS Submersible Pump are specially designed, with the use of latest manufacturing techniques. Years of experience, superior design and better manufacturing techniques have resulted into development of this range of pumps, which are efficient and reliable in operation. Strict quality assurance standards during the total process assure trouble free and reliability in operation requiring minimum maintenance. The pump range consist of many pump sizes is available with an optional number of stages to match any duty point.

○ SPECIAL FEATURES OF PUMPS

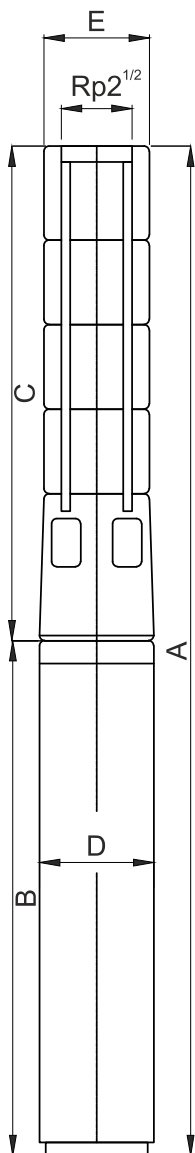
- Low weight high efficiency
- Suction Case, stage casing and discharge chambers are made by stainless steel (AISI 304 Grade) from sheet metal so rust free and long service life
- Bearing bush is made of anti friction rubber to withstand wear resistance.
- Mixed flow impellers & bowl made from stainless steel (AISI 304 Grade).
- Non return Valve made in stainless steel (AISI 304 Grade). The valve casing is designed for optimum hydraulic properties to minimize the pressure loss across the valve and, thus, contributes to the high efficiency of the pump.
- All bearings are water- lubricated and have a square shape, enabling sand particles, if any, to leave the pump together with the pumped liquid.
- The inlet strainer prevents particles over a certain size from entering the pump.
- Stop Ring which is designed as thrust bearings limits axial movements of pump shaft.
- Pump motor coupling is according to NEMA standard.
- Suitable to 4" , 6 " & 8" Submersible Motor.

○ STANDARD SPECIFICATION :

- Operating Limit in 60 hz
Capacity : maximum 215m³/h
Head : Maximum 540 Mtr.
Liquid Temperature : 0°C bis +60° C
Send Content : max. 60g/m³
- Starting Per hour : Max 15 to 20
- Normal Outlet Size : 1.25", 1.5", 2", 2.5", 3", 4", 5" & 6"
- Immersion : 1 Mtr minimum
- Pumped liquid : Clean Free from solid chemically natural and close to the characteristics of water

○ APPLICATION

- Irrigation and Drip Irrigation
- Sprinkler, Gardening and Nursery
- Domestic water supply.
- Bungalows.
- Housing complexes
- Ornamental fountains
- Small farms
- Industrial water supply schemes
- Fire Fighting Systems

NP 01 SERIES
Technical Data
60 Hz / 3500 RPM


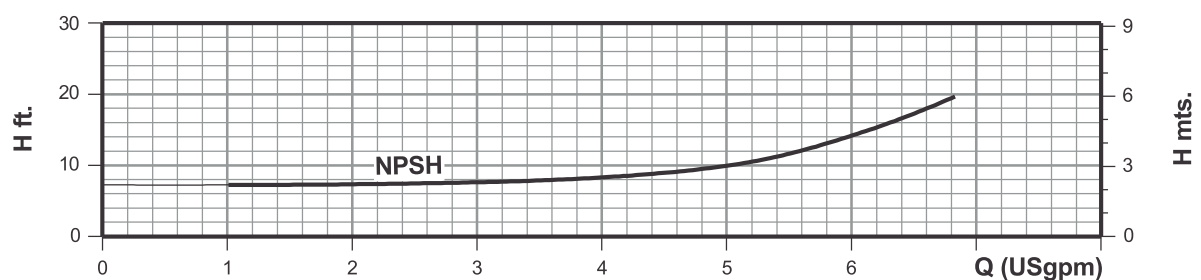
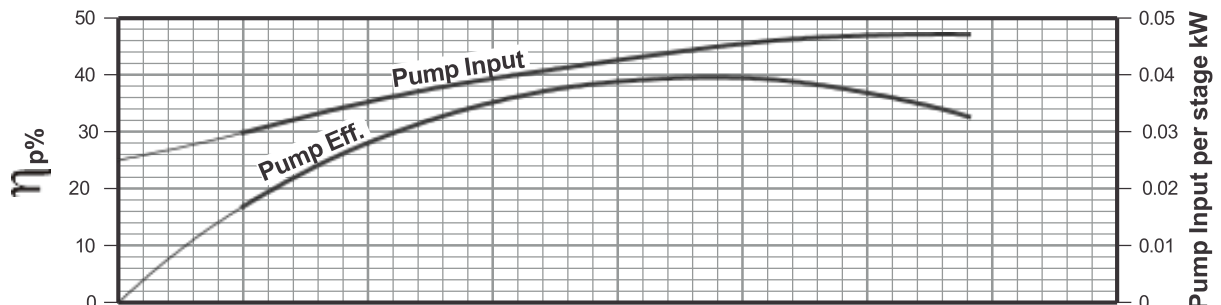
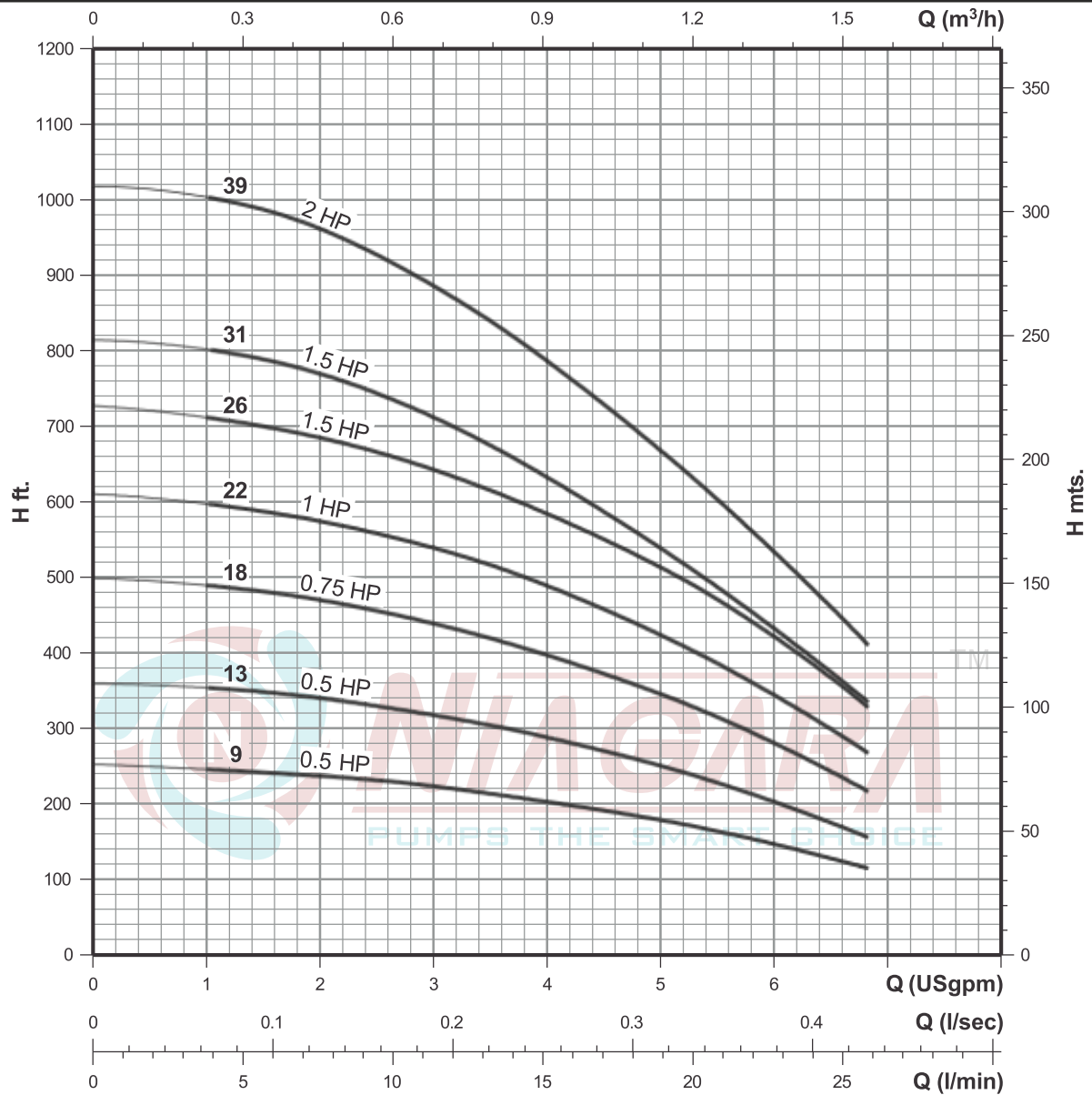
Pump Type	MOTOR TYPE	Motor Rating		DIMENSION IN MM						NET WEIGHT (Kg.)	
				C	B	A	D	E*	E**	PUMP	MOTOR
		Kw	HP		3X400 V	3X400 V					3X400 V
NP 1 / 9	4 WF SS 50	0.37	0.50	357	441	798	95	101	-	3.70	10
NP 1 / 13	4 WF SS 50	0.37	0.50	445	441	886	95	101	-	4.55	10
NP 1 / 18	4 WF SS 75	0.55	0.75	555	456	1011	95	101	-	6.20	13
NP 1 / 22	4 WF SS 10	0.75	1.00	643	471	1114	95	101	-	7.50	15
NP 1 / 26	4 WF SS 15	1.10	1.50	731	521	1252	95	101	-	8.85	18
NP 1 / 31	4 WF SS 15	1.10	1.50	841	521	1362	95	101	-	10.26	18
NP 1 / 39	4 WF SS 20	1.50	2.00	1160	571	1731	95	101	-	14.35	21

*Maximum Diameter of Pump With One Motor Cable Guard

**Maximum Diameter of Pump With Two Motor Cable Guard


PERFORMANCE TABLE

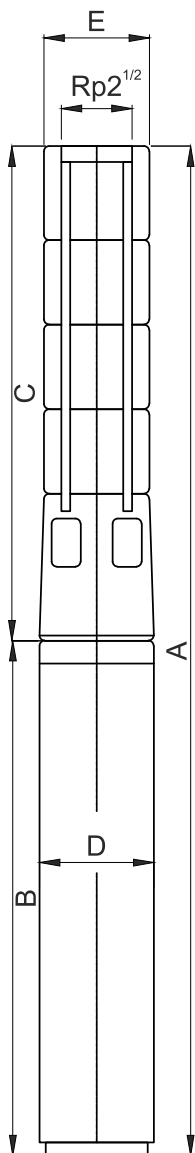
NP-1 60Hz				Capacity					Out Let Size : 32 MM	
Pump Type	Motor Rating		Gpm	0.0	1.8	2.6	3.5	5.3	6.8	
			Lps	0.00	0.12	0.17	0.22	0.33	0.43	
			M3/hr	0.0	0.4	0.6	0.8	1.2	1.5	
	Kw	HP	Lpm	0	7	10	13.3	20	25.8	
NP 1 / 9	0.37	0.50	HEAD IN METER	77	73	70	65	52	35	
NP 1 / 13	0.37	0.50		109	105	99	92	73	48	
NP 1 / 18	0.55	0.75		152	145	138	127	100	66	
NP 1 / 22	0.75	1.00		186	177	169	157	123	81	
NP 1 / 26	1.10	1.50		222	211	201	187	149	100	
NP 1 / 31	1.10	1.50		248	238	224	205	155	102	
NP 1 / 39	1.50	2.00		310	297	279	255	192	125	



NP 02 SERIES

Technical Data

60 Hz / 3500 RPM



Pump Type	MOTOR TYPE	Motor Rating		DIMENSION IN MM						NET WEIGHT (Kg.)	
				C	B	A	D	E*	E**	PUMP	MOTOR
		Kw	HP		3X400 V	3X400 V					3X400 V
NP 2 / 6	4 WF SS 50	0.37	0.50	291	441	732	95	101	-	2.85	10
NP 2 / 9	4 WF SS 50	0.37	0.50	357	441	798	95	101	-	3.35	10
NP 2 / 12	4 WF SS 75	0.55	0.75	423	456	879	95	101	-	4.20	13
NP 2 / 15	4 WF SS 10	0.75	1.00	489	471	960	95	101	-	5.10	15
NP 2 / 21	4 WF SS 15	1.10	1.50	621	521	1142	95	101	-	6.45	18
NP 2 / 27	4 WF SS 20	1.50	2.00	753	571	1324	95	101	-	7.90	21
NP 2 / 34	4 WF SS 30	2.20	3.00	1044	671	1715	95	101	-	12.35	23
NP 2 / 48	4 WF SS 55	4.00	5.50	1382	821	2203	95	101	-	16.90	28
NP 2 / 58	4 WF SS 55	4.00	5.50	1616	821	2437	95	101	-	20.65	28

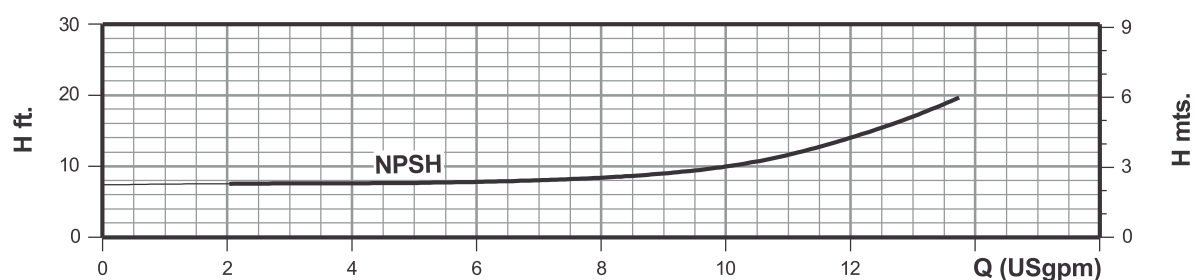
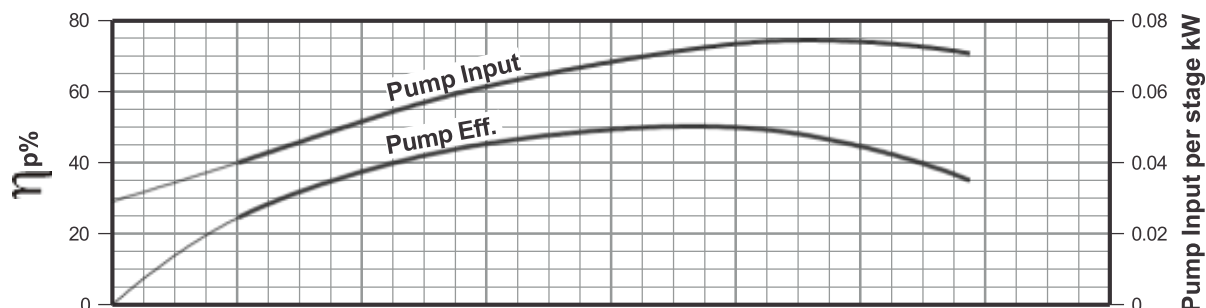
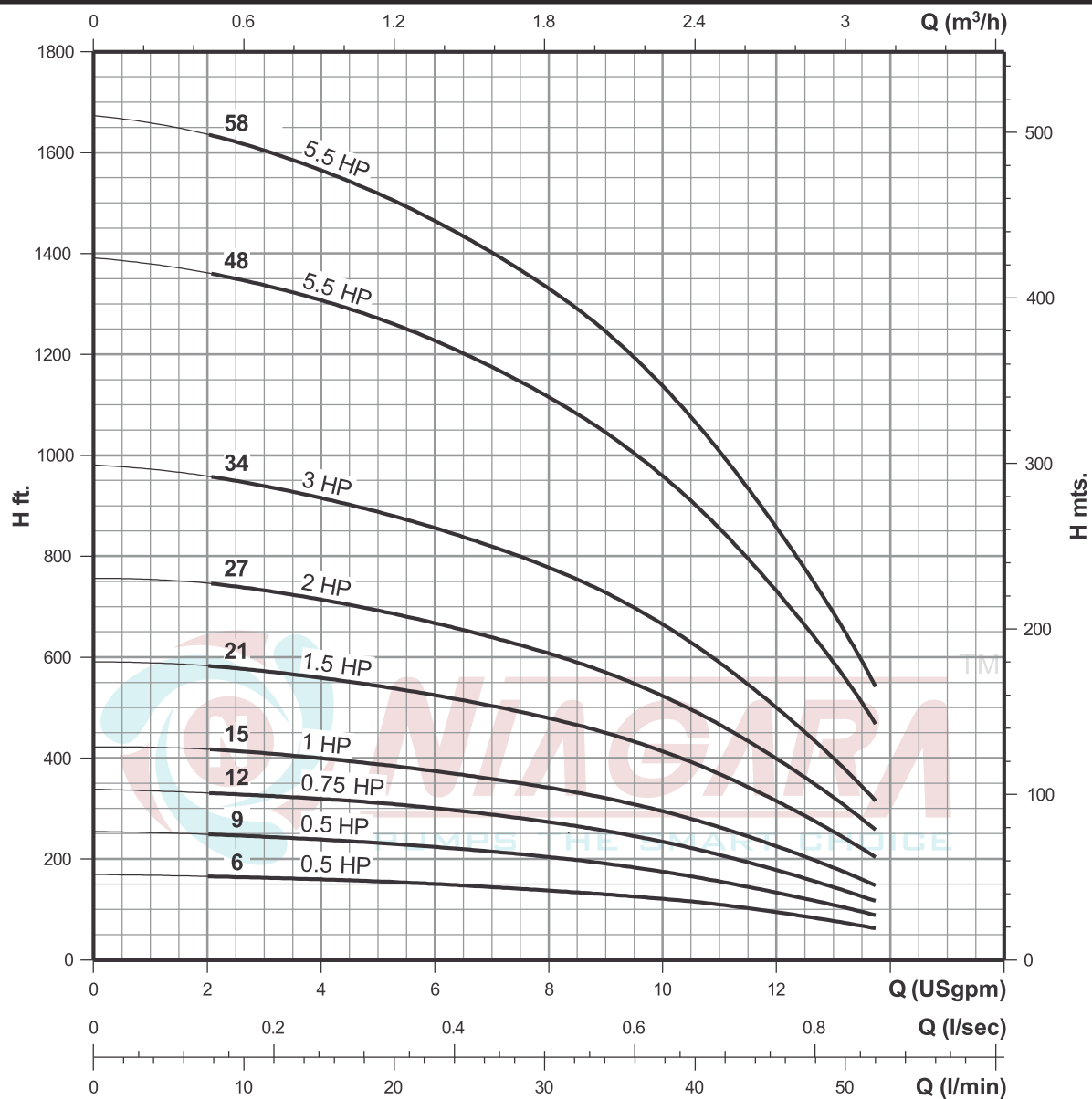
*Maximum Diameter of Pump With One Motor Cable Guard

**Maximum Diameter of Pump With Two Motor Cable Guard



PERFORMANCE TABLE

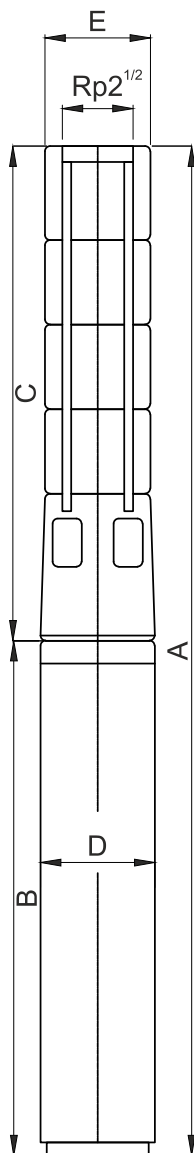
NP-2 60Hz								Out Let Size : 32 MM	
Pump Type	Motor Rating		Capacity						
			Gpm	0.0	1.8	5.3	8.8	10.6	13.7
			Lps	0.00	0.12	0.33	0.56	0.67	0.87
	M3/hr	0.0	0.4	1.2	2.0	2.4	3.1		
	Kw	HP	Lpm	0	7	20	33.3	40	52
NP 2 / 6	0.37	0.50	HEAD IN METER	52	51	47	40	35	19
NP 2 / 9	0.37	0.50		77	76	70	59	50	27
NP 2 / 12	0.55	0.75		103	101	94	79	67	35
NP 2 / 15	0.75	1.00		129	127	117	99	84	45
NP 2 / 21	1.10	1.50		180	178	164	139	119	62
NP 2 / 27	1.50	2.00		230	228	209	176	150	79
NP 2 / 34	2.20	3.00		299	293	268	225	190	96
NP 2 / 48	4.00	5.50		424	416	384	323	275	143
NP 2 / 58	4.00	5.50		510	500	459	385	325	165



NP 03 SERIES

Technical Data

60 Hz / 3500 RPM



Pump Type	MOTOR TYPE	Motor Rating		DIMENSION IN MM						NET WEIGHT (Kg.)	
				C	B	A	D	E*	E**	PUMP	MOTOR
		Kw	HP		3X400 V	3X400 V					3X400 V
NP 3 / 5	4 WF SS 50	0.37	0.50	269	441	710	95	101	-	2.60	10
NP 3 / 8	4 WF SS 75	0.55	0.75	335	456	791	95	101	-	3.25	13
NP 3 / 10	4 WF SS 10	0.75	1.00	379	471	850	95	101	-	3.70	15
NP 3 / 14	4 WF SS 15	1.10	1.50	467	521	988	95	101	-	5.15	18
NP 3 / 18	4 WF SS 20	1.50	2.00	555	571	1126	95	101	-	6.15	21
NP 3 / 24	4 WF SS 30	2.20	3.00	687	671	1358	95	101	-	7.55	23
NP 3 / 32	4 WF SS 40	3.00	4.00	1000	721	1721	95	101	-	11.95	25
NP 3 / 38	4 WF SS 55	4.00	5.50	1144	821	1965	95	101	-	13.95	28
NP 3 / 56	4 WF SS 75	5.50	7.50	1590	891	2481	95	101	-	19.10	32
NP 3 / 75	4 WF SS 10	7.50	10.00	2048	1031	3079	95	101	-	24.70	37

*Maximum Diameter of Pump With One Motor Cable Guard

**Maximum Diameter of Pump With Two Motor Cable Guard



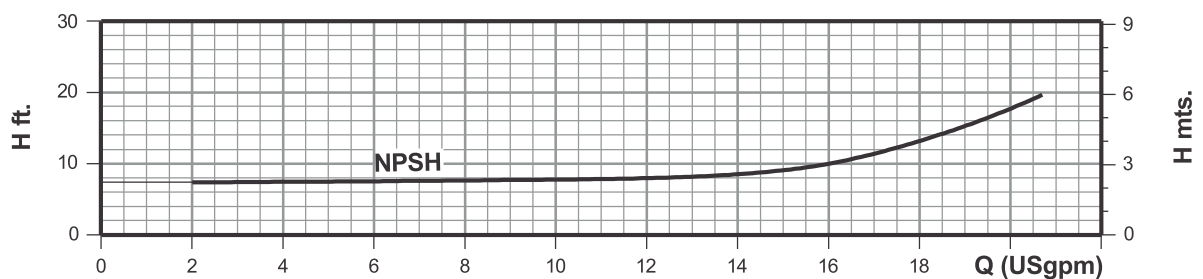
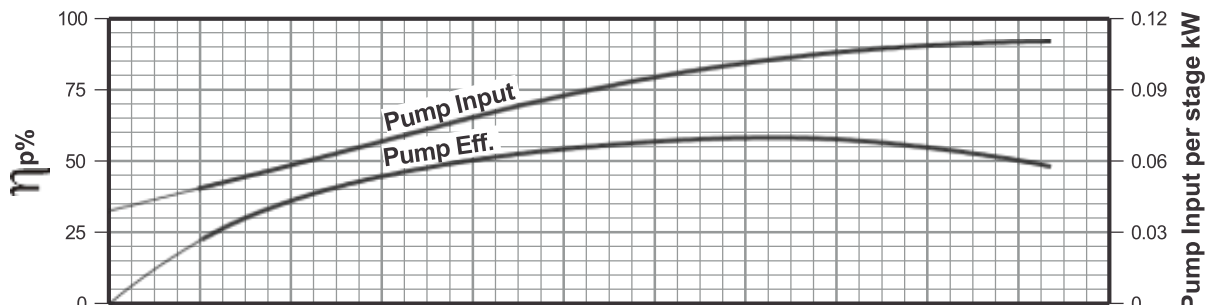
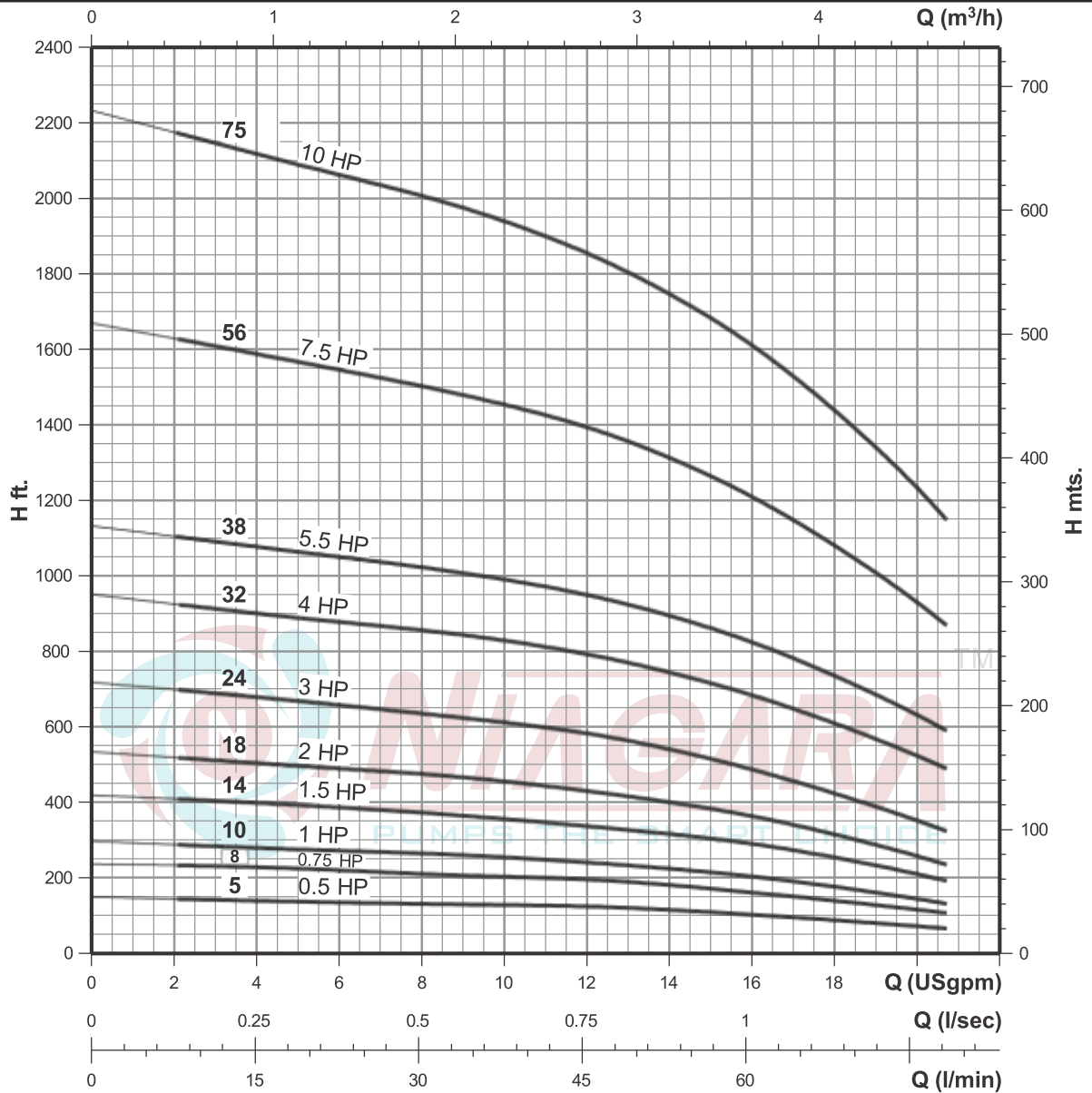
PERFORMANCE TABLE

NP-3 60Hz			Capacity						Out Let Size : 32 MM	
Pump Type	Motor Rating		Gpm	0.0	5.3	8.8	12.3	15.9	20.7	
			Lps	0.00	0.33	0.56	0.78	1.00	1.31	
			M3/hr	0.0	1.2	2.0	2.8	3.6	4.7	
	Kw	HP	Lpm	0	20	33.3	46.7	60	78.4	
NP 3 / 5	0.37	0.50	HEAD IN METER	46	42	40	38	32	20	
NP 3 / 8	0.55	0.75		73	69	63	59	50	33	
NP 3 / 10	0.75	1.00		91	84	80	73	63	41	
NP 3 / 14	1.10	1.50		128	120	112	102	90	59	
NP 3 / 18	1.50	2.00		163	151	143	130	112	72	
NP 3 / 24	2.20	3.00		219	203	191	176	150	99	
NP 3 / 32	3.00	4.00		290	270	258	240	210	149	
NP 3 / 38	4.00	5.50		345	323	308	287	253	180	
NP 3 / 56	5.50	7.50		509	476	452	421	371	265	
NP 3 / 75	7.50	10.00		680	634	604	560	494	350	

NP 03 SERIES

PERFORMANCE CURVE

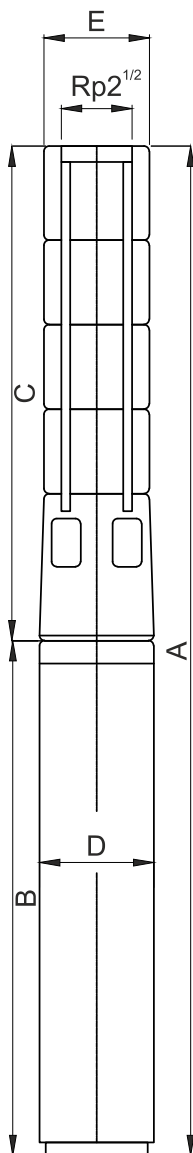
60 Hz / 3500 RPM



NP 05 SERIES

Technical Data

60 Hz / 3500 RPM



Pump Type	MOTOR TYPE	Motor Rating		DIMENSION IN MM						NET WEIGHT (Kg.)	
				C	B	A	D	E*	E**	PUMP	MOTOR
		Kw	HP		3X400 V	3X400 V					3X400 V
NP 5 / 3	4 WF S 50	0.37	0.50	231	441	672	95	101	-	2.25	10
NP 5 / 5	4 WF SS 75	0.55	0.75	279	456	735	95	101	-	2.75	13
NP 5 / 7	4 WF SS 10	0.75	1.00	327	471	798	95	101	-	3.35	15
NP 5 / 9	4 WF SS 15	1.10	1.50	375	521	896	95	101	-	3.90	18
NP 5 / 11	4 WF SS 20	1.50	2.00	423	571	994	95	101	-	4.35	21
NP 5 / 15	4 WF SS 30	2.20	3.00	519	671	1190	95	101	-	5.35	23
NP 5 / 21	4 WF SS 40	3.00	4.00	663	721	1384	95	101	-	6.80	25
NP 5 / 26	4 WF SS 55	4.00	5.50	783	821	1604	95	101	-	8.20	28
NP 5 / 39	4 WF SS 75	5.50	7.50	1166	891	2057	95	101	-	13.70	32
NP 5 / 52	4 WF SS 10	7.50	10.00	1502	1031	2533	95	101	-	18.40	37

*Maximum Diameter of Pump With One Motor Cable Guard

**Maximum Diameter of Pump With Two Motor Cable Guard



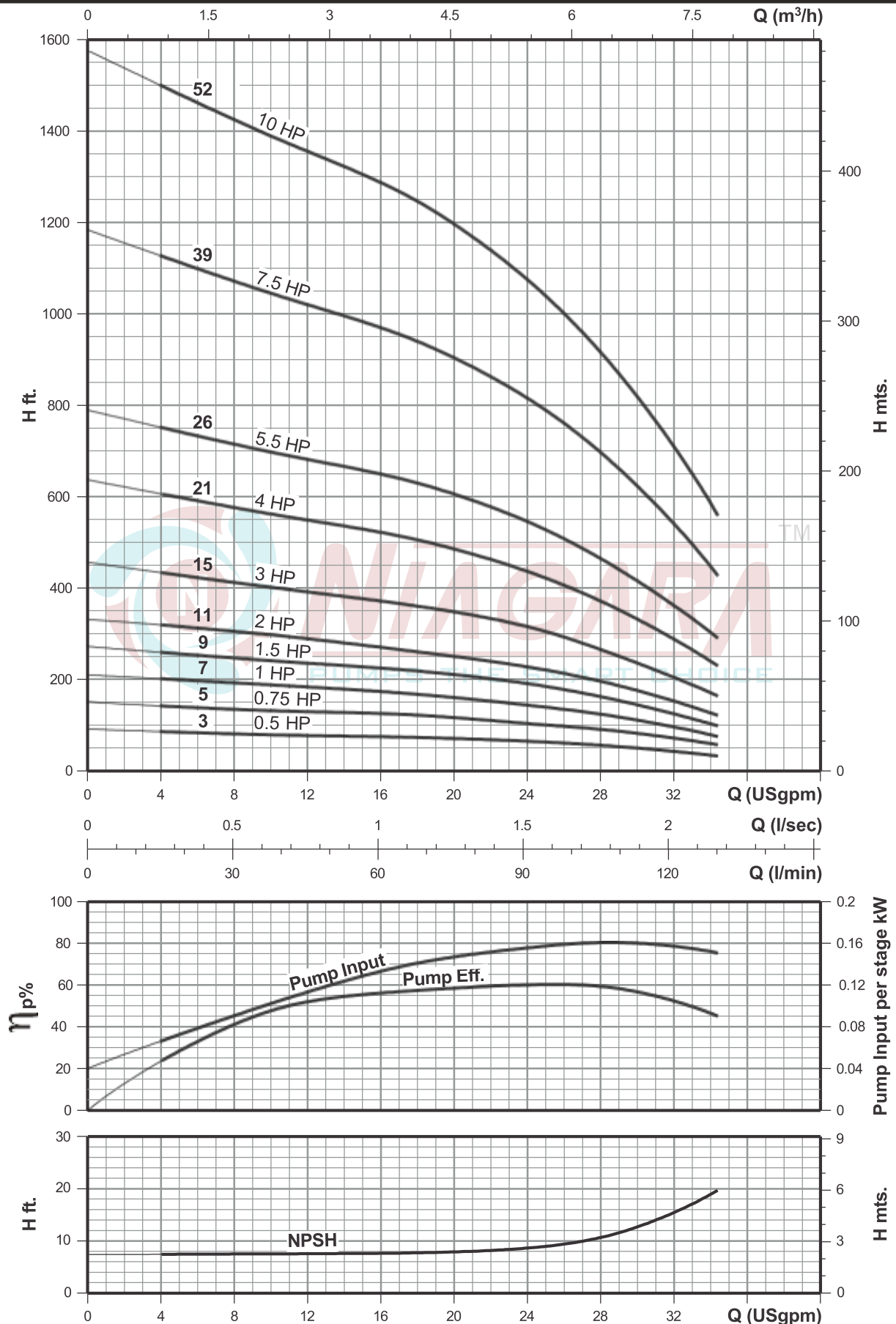
PERFORMANCE TABLE

NP-5 60Hz									Out Let Size : 40 MM
Pump Type	Motor Rating		Capacity						
			Gpm	0.0	10.6	17.6	24.7	28.2	34.4
			Lps	0.00	0.67	1.11	1.56	1.78	2.17
			M3/hr	0.0	2.4	4.0	5.6	6.4	7.8
	Kw	HP	Lpm	0	40	66.7	93.4	106.7	130.1
NP 5 / 3	0.37	0.50	HEAD IN METER	28	24	23	20	17	10
NP 5 / 5	0.55	0.75		46	40	38	31	27	17
NP 5 / 7	0.75	1.00		64	57	52	43	38	23
NP 5 / 9	1.10	1.50		83	73	67	57	49	30
NP 5 / 11	1.50	2.00		101	90	80	68	59	37
NP 5 / 15	2.20	3.00		139	122	111	94	80	50
NP 5 / 21	3.00	4.00		194	170	155	130	112	70
NP 5 / 26	4.00	5.50		241	211	193	163	140	88
NP 5 / 39	5.50	7.50		361	316	288	243	210	130
NP 5 / 52	7.50	10.00		480	420	382	320	276	170

NP 05 SERIES

PERFORMANCE CURVE

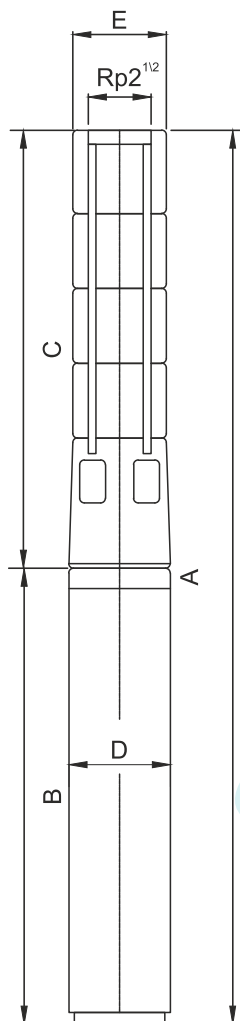
60 Hz / 3500 RPM



NP 08 SERIES

Technical Data

60 Hz / 3500 RPM



Pump Type	MOTOR TYPE	Motor Rating		DIMENSION IN MM						NET WEIGHT (Kg.)	
				C	B	A	D	E*	E**	PUMP	MOTOR
		Kw	HP		3X400 V	3X400 V					3X400 V
NP 8 / 3	4 WF SS 75	0.55	0.75	338	456	794	95	101	-	3.85	13
NP 8 / 5	4 WF SS 15	1.10	1.50	410	521	931	95	101	-	4.55	18
NP 8 / 7	4 WF SS 20	1.50	2.00	482	571	1053	95	101	-	5.25	21
NP 8 / 9	4 WF SS 30	2.20	3.00	554	671	1225	95	101	-	5.95	23
NP 8 / 12	4 WF SS 40	3.00	4.00	662	721	1383	95	101	-	7.35	25
NP 8 / 15	4 WF SS 55	4.00	5.50	770	821	1591	95	101	-	8.50	28
NP 8 / 18	4 WF SS 75	5.50	7.50	878	891	1769	95	101	-	9.90	32
NP 8 / 21	4 WF SS 75	5.50	7.50	986	891	1877	95	101	-	11.3	32
NP 8 / 25	4 WF SS 75	5.50	7.50	1152	891	2043	95	101	-	13.0	32
NP 8 / 30	4 WF SS 10	7.50	10.00	1332	1031	2363	95	101	-	14.95	37
NP 8 / 37	6 WF CI 12	9.30	12.50	1594	755	2349	142	142	145	18.95	49
NP 8 / 44	6 WF CI 15	11.00	15.00	1860	795	2655	142	142	145	22.25	54
NP 8 / 50	6 WF CI 17	13.00	17.50	2076	830	2906	142	142	145	25.25	57
NP 8 / 58	6 WF CI 20	15.00	20.00	2390	860	3250	142	142	145	30.50	61
NP 8 / 66	6 WF CI 20	15.00	20.00	2678	860	3538	142	142	145	34.70	61

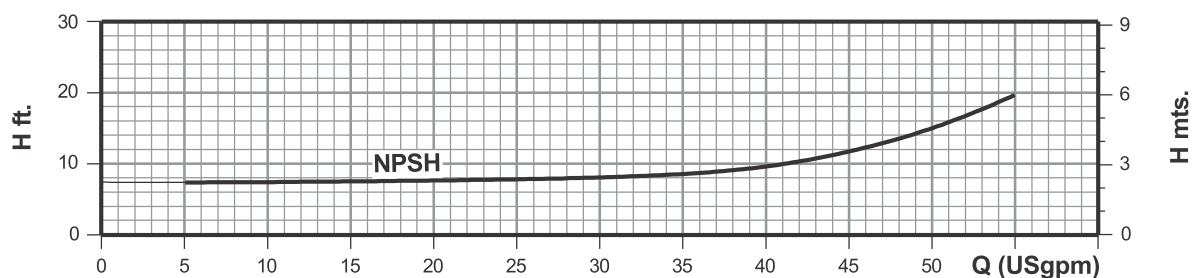
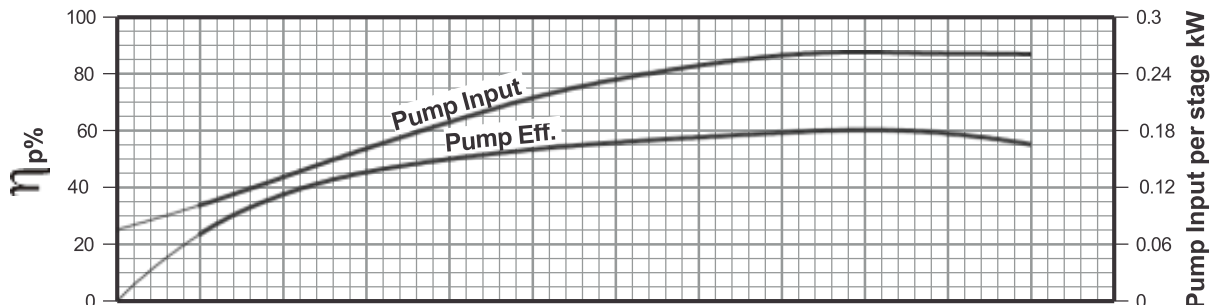
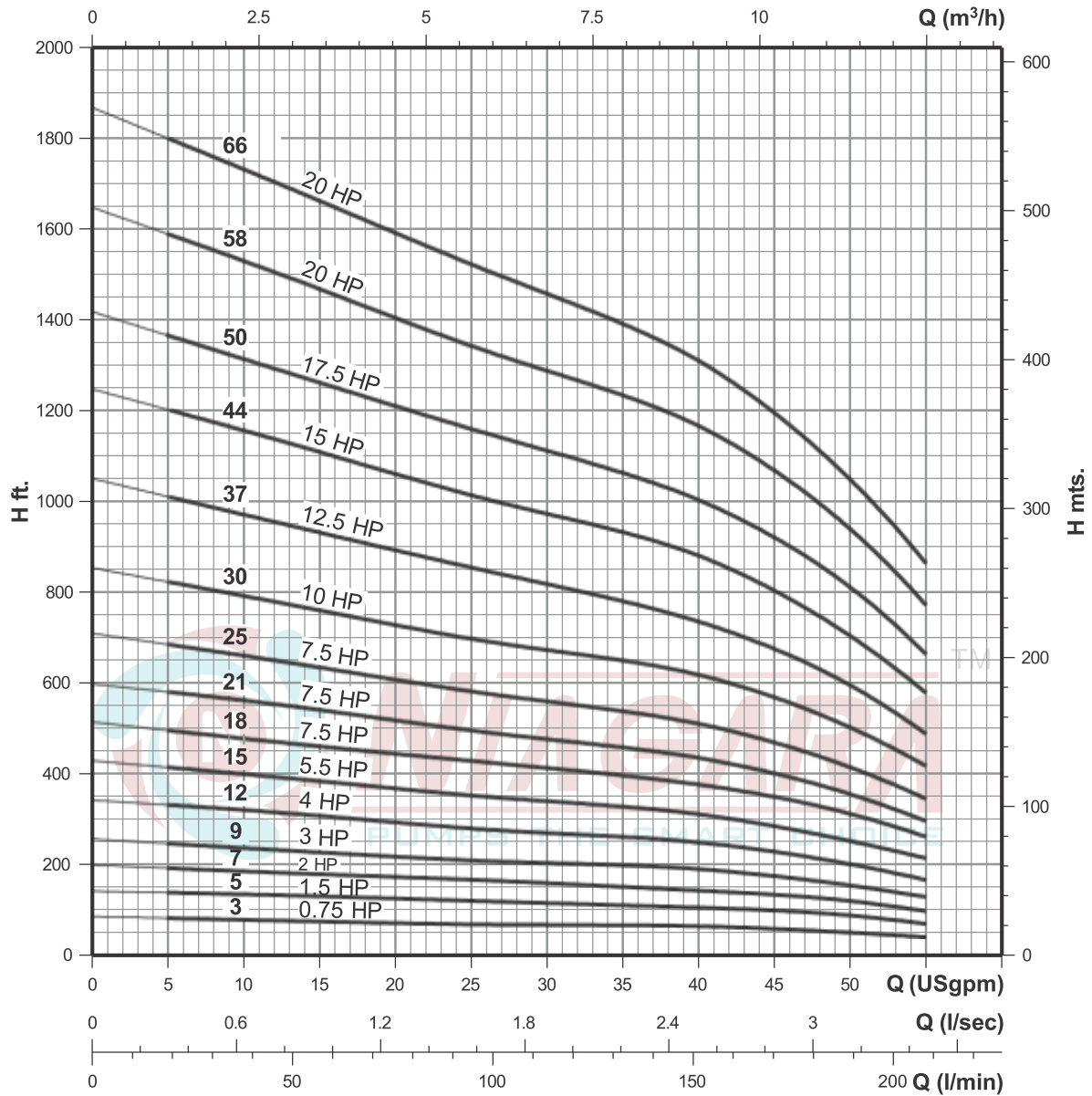
*Maximum Diameter of Pump With One Motor Cable Guard

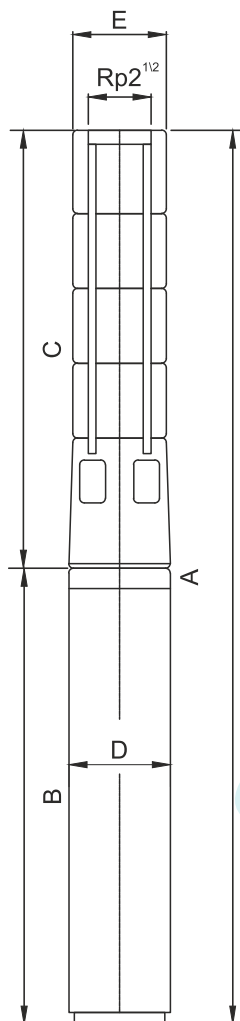
**Maximum Diameter of Pump With Two Motor Cable Guard

PERFORMANCE TABLE

60 Hz / 3500 RPM

NP-8 60Hz									Out Let Size : 50 MM
Pump Type	Motor Rating		Capacity						
			Gpm	0.0	13.2	26.4	39.6	48.3	54.9
			Lps	0.00	0.83	1.67	2.50	3.05	3.47
			M3/hr	0.0	3.0	6.0	9.0	11.0	12.5
	Kw	HP	Lpm	0	50	100	150	183	208
NP 8 / 3	0.55	0.75	HEAD IN METER	26	23	20	20	16	12
NP 8 / 5	1.10	1.50		43	40	36	32	28	21
NP 8 / 7	1.50	2.00		60	55	50	44	38	30
NP 8 / 9	2.20	3.00		78	70	63	58	49	39
NP 8 / 12	3.00	4.00		104	95	84	76	64	51
NP 8 / 15	4.00	5.50		130	119	106	95	80	65
NP 8 / 18	5.50	7.50		156	142	129	115	99	80
NP 8 / 21	5.50	7.50		182	167	149	133	113	90
NP 8 / 25	5.50	7.50		216	196	175	156	132	105
NP 8 / 30	7.50	10.00		260	235	210	189	160	127
NP 8 / 37	9.30	12.50		320	288	257	225	190	148
NP 8 / 44	11.00	15.00		380	343	305	270	225	176
NP 8 / 50	13.00	17.50		432	390	349	307	259	202
NP 8 / 58	15.00	20.00		502	454	404	357	300	235
NP 8 / 66	15.00	20.00		569	514	458	401	335	263



NP 14 SERIES
Technical Data
60 Hz / 3500 RPM


Pump Type	MOTOR TYPE	Motor Rating		DIMENSION IN MM						NET WEIGHT (Kg.)	
				C	B	A	D	E*	E**	PUMP	MOTOR
		Kw	HP		3X400 V	3X400 V					3X400 V
NP 14 / 3	4 WF SS 20	1.50	2.00	443	571	1014	95	101	-	4.85	21
NP 14 / 5	4 WF SS 30	2.20	3.00	573	671	1244	95	101	-	6.25	23
NP 14 / 8	4 WF SS 55	4.00	5.50	768	821	1589	95	101	-	8.35	28
NP 14 / 12	4 WF SS 75	5.50	7.50	1028	891	1919	95	101	-	11.1	32
NP 14 / 16	4 WF SS 10	7.50	10.00	1288	1031	2319	95	101	-	14.1	37

*Maximum Diameter of Pump With One Motor Cable Guard

**Maximum Diameter of Pump With Two Motor Cable Guard

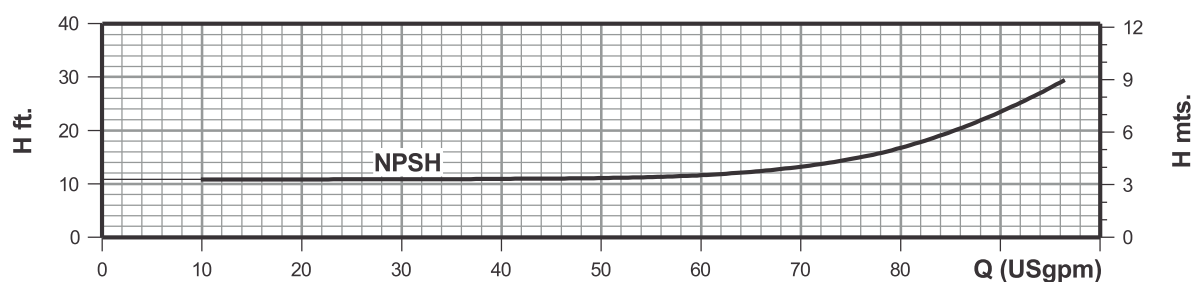
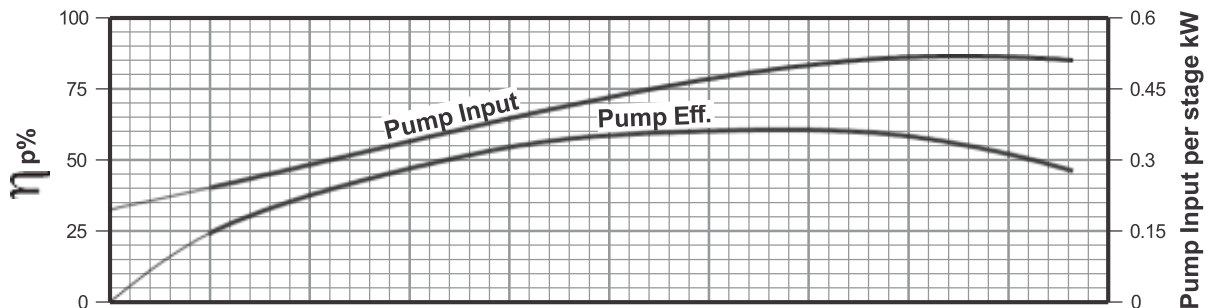
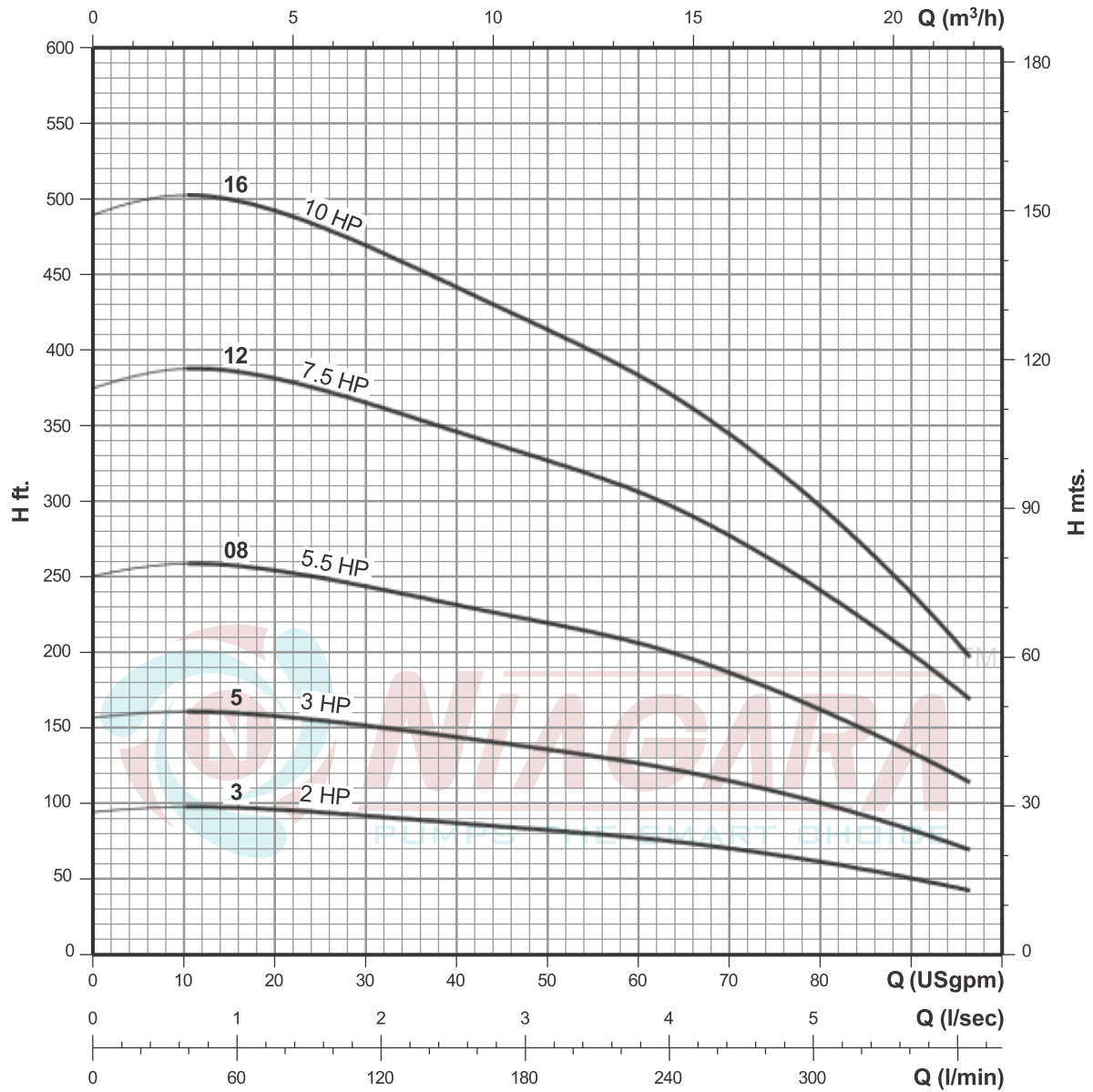
PERFORMANCE TABLE
60 Hz / 3500 RPM

NP-14 60Hz									Out Let Size : 50 MM
Pump Type	Motor Rating		Capacity						
			Gpm	0.0	8.8	44.0	61.7	79.3	96.4
			Lps	0.00	0.56	2.78	3.89	5.00	6.08
			M3/hr	0.0	2.0	10.0	14.0	18.0	21.9
	Kw	HP	Lpm	0	33.3	166.7	233.4	300.1	365
NP 14 / 3	1.50	2.00	HEAD IN METER	29	30	26	23	19	13
NP 14 / 5	2.20	3.00		48	49	43	38	31	21
NP 14 / 8	4.00	5.50		76	79	69	62	50	35
NP 14 / 12	5.50	7.50		114	118	103	92	74	52
NP 14 / 16	7.50	10.00		149	153	131	115	91	60

NP 14 SERIES

PERFORMANCE CURVE

60 Hz / 3500 RPM



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Thank you.

THE FIRST STEP TOWARDS HARNESSING THE POWER FROM THE SUN

Improving Quality of Life For People...



An ISO 9001 Certified Company

NIAGARA PUMPS INDIA LLP

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