



Stainless steel Submersible Pumps for 4"

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

50 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" Submersible Motor.

○ STANDARD SPECIFICATION :

- Operating Limit in 50 hz
Capacity : maximum 14m³/h
Head : Maximum 513 Mtr.
Liquid Temperature : 0°C bis +60° C
Send Content : max. 50g/m³
- Starting Per hour : Max 15 to 20
- Normal Outlet Size : 1.25", 1.5" & 2"
- Immersion : 1 Mtr minimum
- Pumped liquid : Clean Free from solid chemically natural and close to the characteristics of water

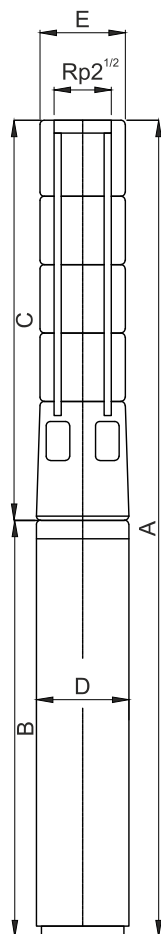
○ APPLICATION

- 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

50 Hz / 2880 RPM



Pump Type	MOTOR TYPE	Motor Rating		DIMENSION IN MM			NET WEIGHT PUMP (kg)
				C	B	RP	
		kW	HP				
NP 1 / 9	4 WF SS 50	0.37	0.50	357	520	32	3.70
NP 1 / 14	4 WF SS 50	0.37	0.50	467	520	32	4.83
NP 1 / 18	4 WF SS 75	0.55	0.75	555	540	32	6.20
NP 1 / 21	4 WF SS 75	0.55	0.75	621	540	32	7.20
NP 1 / 28	4 WF SS 10	0.75	1.00	775	560	32	9.45
NP 1 / 36	4 WF SS 15	1.10	1.50	1094	590	32	13.49
NP 1 / 42	4 WF SS 15	1.10	1.50	1262	590	32	16.49
NP 1 / 50	4 WF SS 20	1.50	2.00	1454	625	32	18.90
NP 1 / 57	4 WF SS 20	1.50	2.00	1646	625	32	21.05

*Maximum Diameter of Pump With One Motor Cable Guard
 **Maximum Diameter of Pump With Two Motor Cable Guard



NIAGARA
PUMPS THE SMART CHOICE

NP 01 SERIES

PERFORMANCE TABLE

50 Hz / 2880 RPM

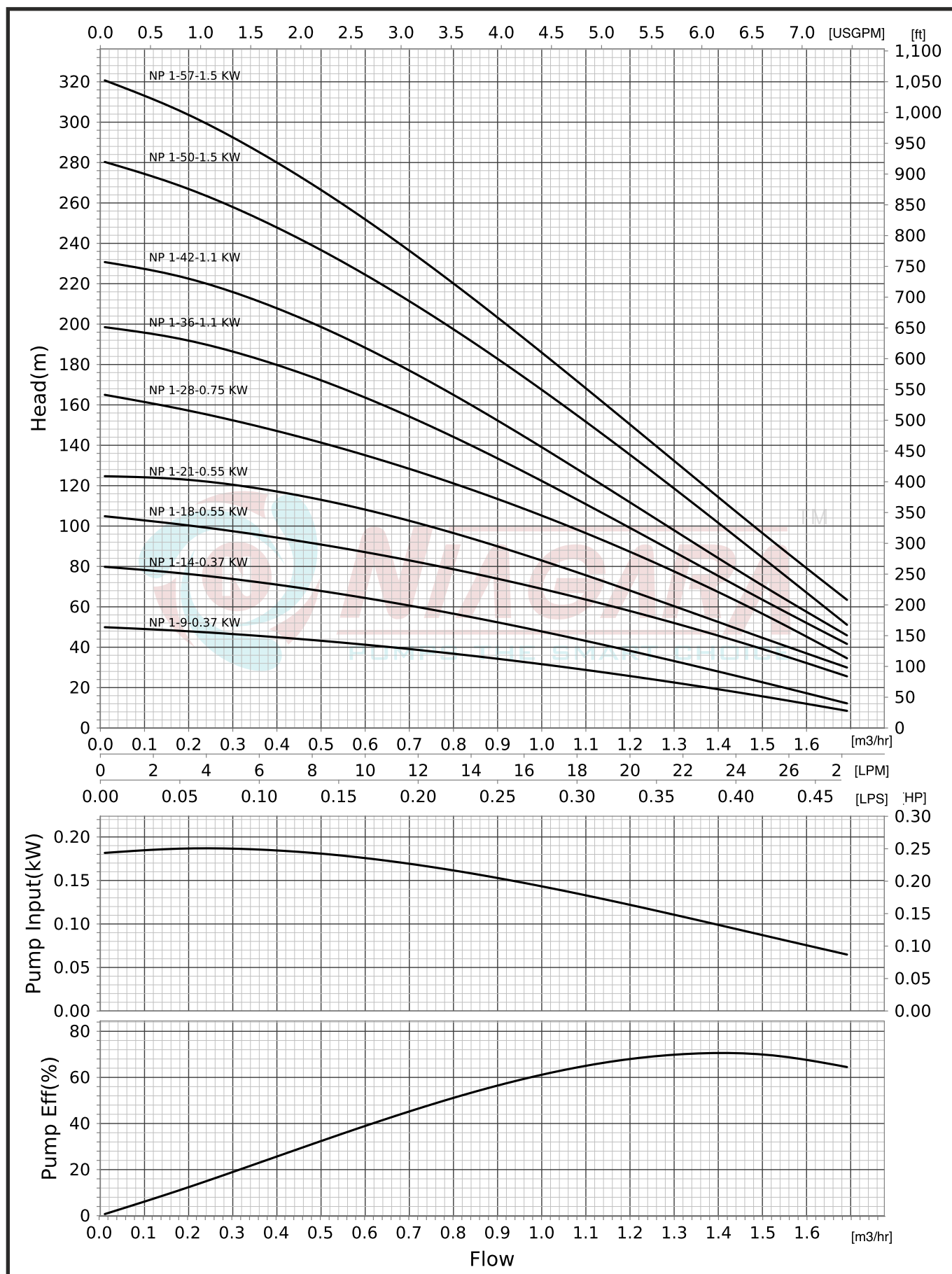
Out Let Size : 32 MM

Pump Type	MOTOR RATING		Gpm	0	1.743	2.536	3.487	4.279	5.230	6.023	6.974	7.449
			Lpm	0	6.6	9.6	13.2	16.2	19.8	22.8	26.4	28.2
	Kw	HP	m³/h	0	0.40	0.60	0.80	1.0	1.2	1.4	1.6	1.7
			Lps	0	0.11	0.16	0.22	0.27	0.33	0.38	0.44	0.47
NP 1/09	0.37	0.5	HEAD IN METERS	50	45	41	38	32	26.5	20	12	9
NP 1/14	0.37	0.5		80	70.5	65	58	49	39	29	18	12.5
NP 1/18	0.55	0.75		105	94	88	79.5	70	59.5	47	33	26
NP 1/21	0.55	0.75		125	116.5	108.5	99	85	69.5	53	39	30
NP 1/28	0.75	1		165	148	135	122.5	107.5	90	69	47	35
NP 1/36	1.1	1.5		198	182	165	145	123	102	80	54	41
NP 1/42	1.1	1.5		230	211	190	165	140	116	89	60	45
NP 1/50	1.5	2		280	250	226	199	170	140	106	70	51
NP 1/57	1.5	2		320	284	253	221	189	155	120	82	63

NP 01 SERIES

PERFORMANCE CURVE

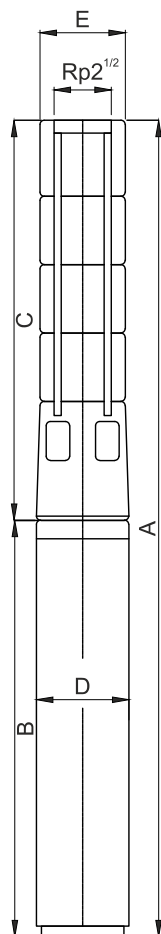
50 Hz / 2880 RPM



NP 02 SERIES

Technical Data

50 Hz / 2880 RPM



Pump Type	MOTOR TYPE	Motor Rating		DIMENSION IN MM			NET WEIGHT PUMP (kg)
		kW	HP	C	B	RP	
NP 2 / 06	4 WF SS 50	0.37	0.50	291	520	32	2.85
NP 2 / 09	4 WF SS 50	0.37	0.50	357	520	32	3.70
NP 2 / 13	4 WF SS 75	0.55	0.75	445	540	32	4.50
NP 2 / 15	4 WF SS 75	0.55	0.75	489	540	32	5.10
NP 2 / 18	4 WF SS 10	0.75	1.00	554	560	32	6.20
NP 2 / 23	4 WF SS 15	1.10	1.50	665	590	32	7.30
NP 2 / 28	4 WF SS 20	1.50	2.00	775	625	32	9.45
NP 2 / 33	4 WF SS 20	1.50	2.00	1022	625	32	12.05
NP 2 / 40	4 WF SS 30	2.20	3.00	1214	680	32	14.20
NP 2 / 48	4 WF SS 30	2.20	3.00	1382	680	32	16.90
NP 2 / 55	4 WF SS 40	3.00	4.00	1550	725	32	19.75
NP 2 / 65	4 WF SS 40	3.00	4.00	1838	725	32	22.15
NP 2 / 75	4 WF SS 55	4.00	5.50	2078	780	32	25.75
NP 2 / 90	4 WF SS 55	4.00	5.50	2438	780	32	30.55

*Maximum Diameter of Pump With One Motor Cable Guard

**Maximum Diameter of Pump With Two Motor Cable Guard

NP 02 SERIES

PERFORMANCE TABLE

50 Hz / 2880 RPM

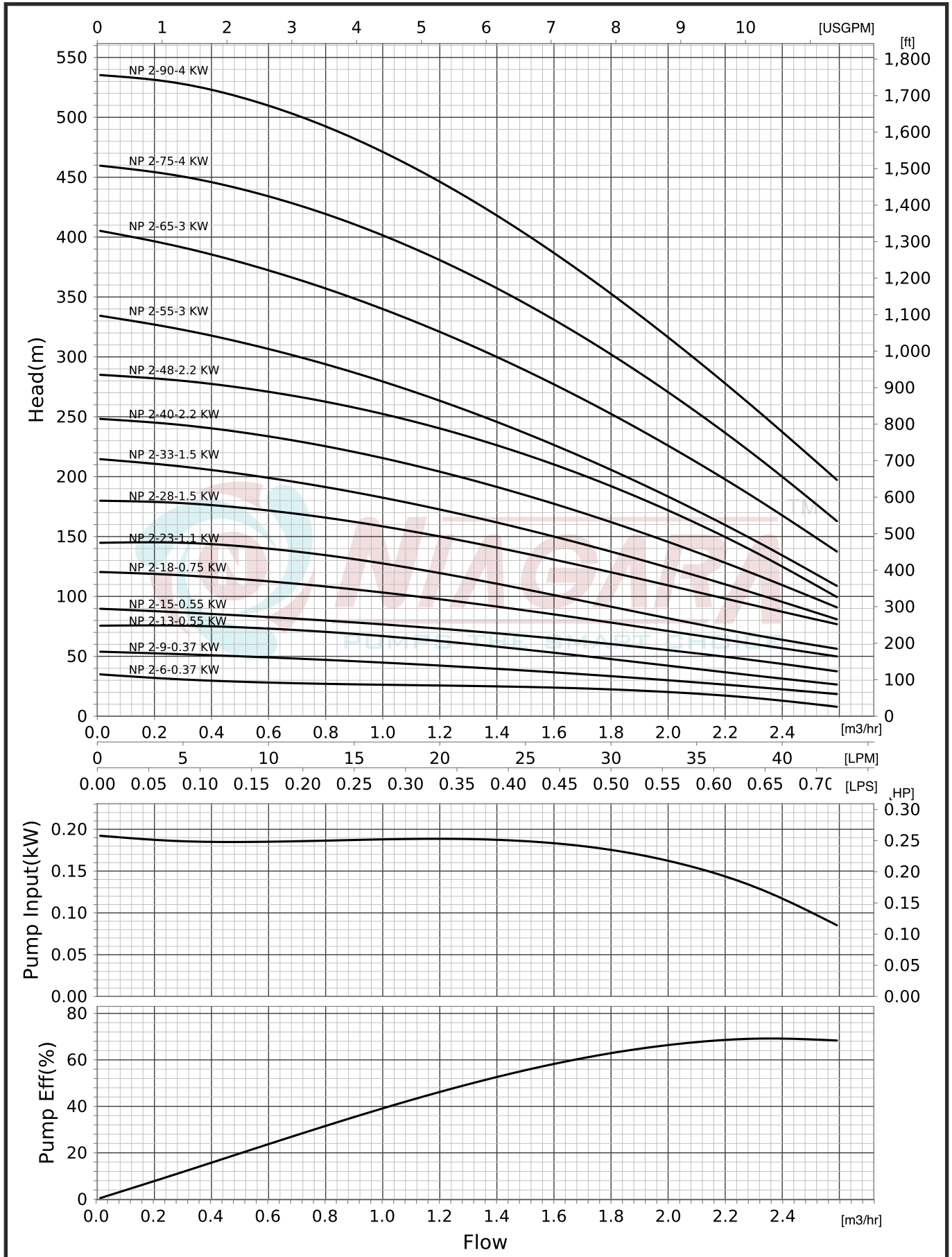
Out Let Size : 32 MM

Pump Type	MOTOR RATING		Gpm	0	2.536	4.279	6.023	7.925	8.717	9.668	11.412
			Lpm	0	9.6	16.2	22.8	30	33	36.6	43.2
	Kw	HP	m³/h	0	0.6	1.0	1.4	1.8	2.0	2.2	2.5
			Lps	0	0.16	0.27	0.38	0.50	0.55	0.61	0.72
NP 2/06	0.37	0.5	HEAD IN METERS	35	28	26.5	25	23	20	17	8
NP 2/09	0.37	0.5		54	49	45	40	35	30	25	19
NP 2/13	0.55	0.75		76	72	68	60	48	42	36	27
NP 2/15	0.55	0.75		90	82	78	70	60	57	48	38
NP 2/18	0.75	1		120	115	102	92	80	72	63	50
NP 2/23	1.1	1.5		145	140	128	113	93	82	71	57
NP 2/28	1.5	2		180	172	160	142	121	110	98	77
NP 2/33	1.5	2		215	199	183	165	140	124	108	82
NP 2/40	2.2	3		249	232	218	195	165	144	127	92
NP 2/48	2.2	3		285	272	254	227	195	174	148	100
NP 2/55	3	4		335	306	282	250	209	183	158	110
NP 2/65	3	4		405	375	342	301	257	228	196	138
NP 2/75	4	5.5		460	435	403	363	305	272	235	164
NP 2/90	4	5.5		535	513	473	421	358	319	276	198

NP 02 SERIES

PERFORMANCE CURVE

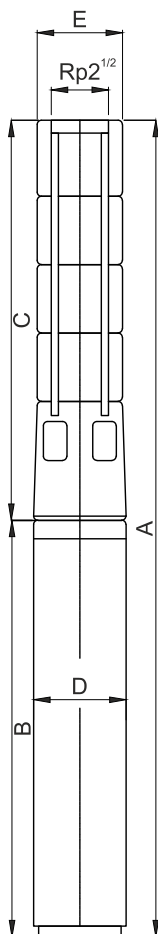
50 Hz / 2880 RPM



NP 03 SERIES

Technical Data

50 Hz / 2880 RPM



Pump Type	MOTOR TYPE	Motor Rating		DIMENSION IN MM			NET WEIGHT PUMP (kg)
				C	B	RP	
NP 3 / 06	4 WF SS 50	0.37	0.50	291	520	32	2.85
NP 3 / 09	4 WF SS 75	0.55	0.75	357	540	32	3.70
NP 3 / 12	4 WF SS 10	0.75	1.00	423	560	32	4.30
NP 3 / 15	4 WF SS 15	1.10	1.50	489	590	32	5.10
NP 3 / 18	4 WF SS 15	1.10	1.50	555	590	32	6.20
NP 3 / 22	4 WF SS 20	1.50	2.00	643	625	32	7.25
NP 3 / 25	4 WF SS 20	1.50	2.00	709	625	32	8.50
NP 3 / 29	4 WF SS 30	2.20	3.00	797	680	32	10.00
NP 3 / 33	4 WF SS 30	2.20	3.00	1022	680	32	12.05
NP 3 / 39	4 WF SS 40	3.00	4.00	1166	725	32	14.00
NP 3 / 45	4 WF SS 40	3.00	4.00	1334	725	32	16.70
NP 3 / 52	4 WF SS 55	4.00	5.50	1502	780	32	19.30
NP 3 / 60	4 WF SS 55	4.00	5.50	1718	780	32	21.50

*Maximum Diameter of Pump With One Motor Cable Guard

**Maximum Diameter of Pump With Two Motor Cable Guard

NP 03 SERIES

PERFORMANCE TABLE

50 Hz / 2880 RPM

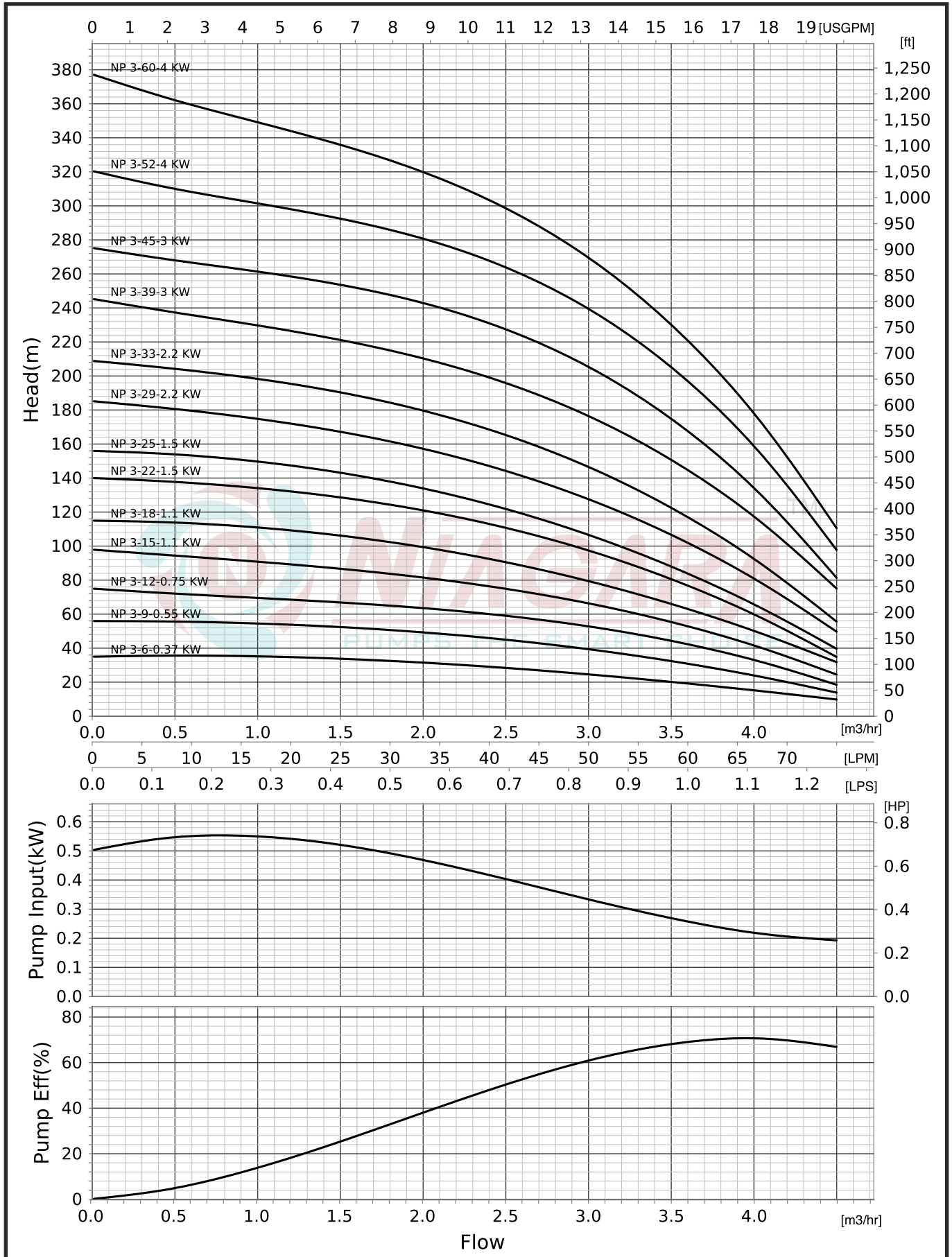
Out Let Size : 32 MM

Pump Type	MOTOR RATING		Gpm	0	6.498	8.717	10.936	13.155	15.374	17.593	19.812
			Lpm	0	24.6	33	41.4	49.8	58.2	66.6	75
	Kw	HP	m³/h	0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
			Lps	0	0.41	0.55	0.69	0.83	0.97	1.11	1.25
NP 3/06	0.37	0.5	HEAD IN METERS	35	34	31	29	25	20	15	10
NP 3/09	0.55	0.75		56	52	50	45	40	32	24	14
NP 3/12	0.75	1		75	67	63	60	53	45	32	19
NP 3/15	1.1	1.5		98	86	82	76	67	55	41	25
NP 3/18	1.1	1.5		115	106	100	91	80	66	50	32
NP 3/22	1.5	2		140	129	121	111	99	80	60	35
NP 3/25	1.5	2		156	143	135	122	107	89	65	40
NP 3/29	2.2	3		185	169	156	144	129	108	80	50
NP 3/33	2.2	3		209	190	180	166	149	123	90	57
NP 3/39	3	4		245	223	210	195	177	153	117	75
NP 3/45	3	4		275	255	243	227	206	176	135	81
NP 3/52	4	5.5		320	295	280	263	240	207	160	97
NP 3/60	4	5.5		377	337	320	300	270	230	180	110

NP 03 SERIES

PERFORMANCE CURVE

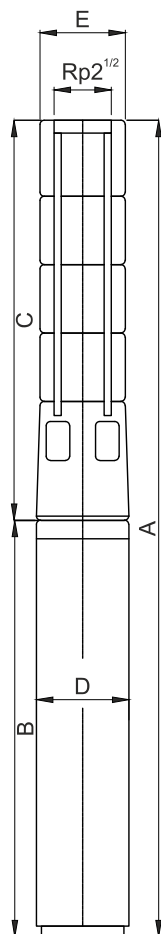
50 Hz / 2880 RPM



NP 05 SERIES

Technical Data

50 Hz / 2880 RPM



Pump Type	MOTOR TYPE	Motor Rating		DIMENSION IN MM			NET WEIGHT PUMP (kg)
				C	B	RP	
		kW	HP				
NP 5 / 04	4 WF SS 50	0.37	0.50	255	520	40	2.47
NP 5 / 06	4 WF SS 75	0.55	0.75	303	540	40	2.85
NP 5 / 08	4 WF SS 10	0.75	1.00	351	560	40	3.60
NP 5 / 12	4 WF SS 15	1.10	1.50	447	590	40	4.30
NP 5 / 17	4 WF SS 20	1.50	2.00	567	625	40	5.90
NP 5 / 21	4 WF SS 30	2.20	3.00	663	680	40	7.20
NP 5 / 25	4 WF SS 30	2.20	3.00	759	680	40	8.50
NP 5 / 33	4 WF SS 40	3.00	4.00	1022	725	40	12.05
NP 5 / 38	4 WF SS 55	4.00	5.50	1142	780	40	13.70
NP 5 / 44	4 WF SS 55	4.00	5.50	1310	780	40	16.60
NP 5 / 52	4 WF SS 75	5.50	7.50	1502	920	40	19.30
NP 5 / 60	4 WF SS 75	5.50	7.50	1718	920	40	21.50
NP 5 / 75	4 WF SS 10	7.50	10.00	2078	1060	40	25.75

*Maximum Diameter of Pump With One Motor Cable Guard

**Maximum Diameter of Pump With Two Motor Cable Guard

NP 05 SERIES

PERFORMANCE TABLE

50 Hz / 2880 RPM

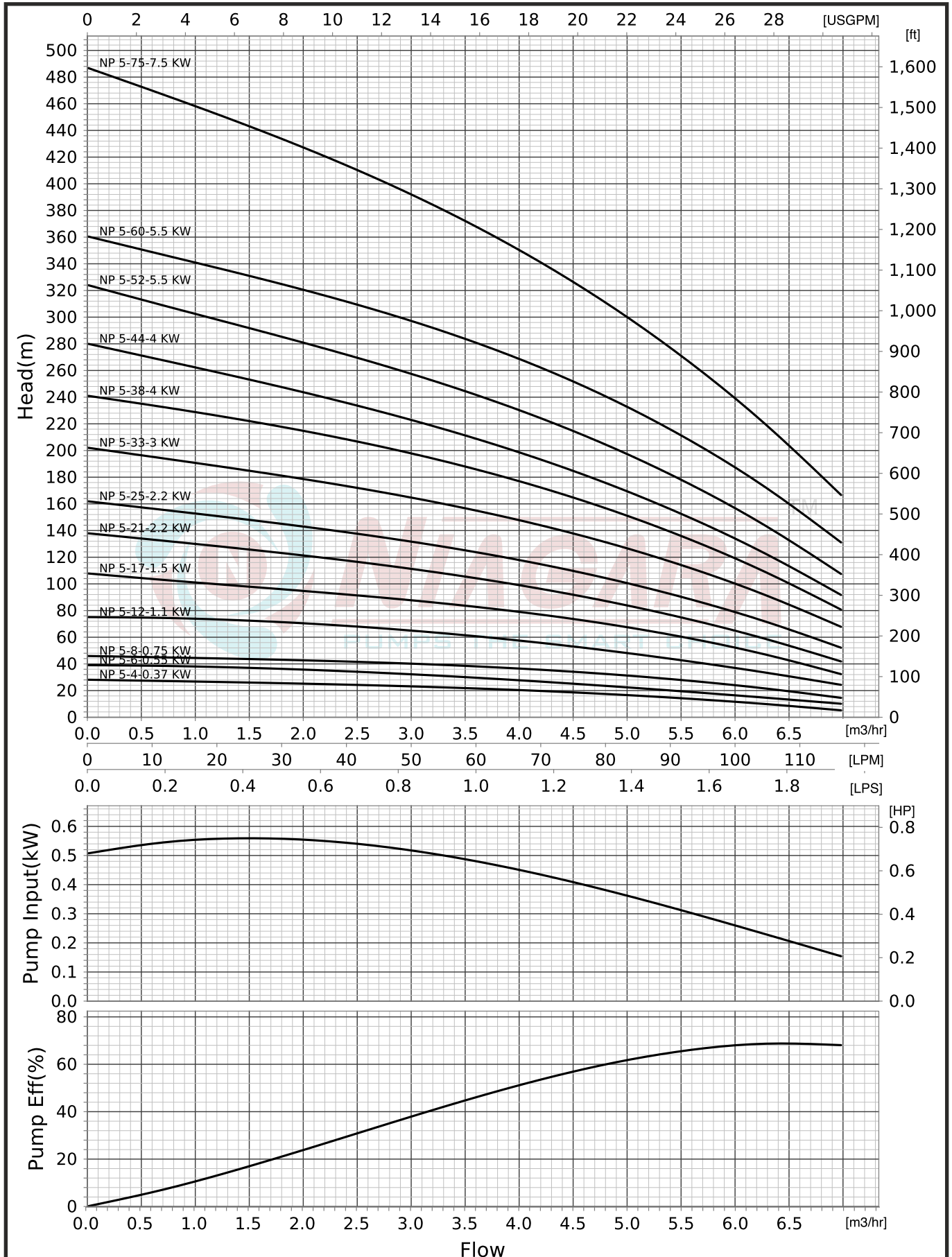
Out Let Size : 40 MM

Pump Type	MOTOR RATING		Gpm	0	8.717	13.155	17.593	22.031	26.311	30.749
			Lpm	0	33	49.8	66.6	83.4	99.6	116.4
	Kw	HP	m³/h	0	2.0	3.0	4.0	5.0	6.0	7.0
			Lps	0	0.55	0.83	1.11	1.39	1.66	1.94
NP 5/04	0.37	0.5	HEAD IN METERS	28	26	22.5	20	17	12	5
NP 5/06	0.55	0.75		39	36	32	28	22	17	10
NP 5/08	0.75	1		46	42.5	40	37	32	23	15
NP 5/12	1.1	1.5		75	71	65	57	48	38	24
NP 5/17	1.5	2		108	94	88	80	68	51	33
NP 5/21	2.2	3		138	121	112	99	84	65	42
NP 5/25	2.2	3		162	143	131	119	102	77	53
NP 5/33	3	4		202	179	165	147	128	100	68
NP 5/38	4	5.5		241	215	198	177	152	119	81
NP 5/44	4	5.5		280	244	223	199	170	134	92
NP 5/52	5.5	7.5		324	281	258	230	199	156	108
NP 5/60	5.5	7.5		360	322	300	262	236	190	130
NP 5/75	7.5	10		487	427	392	352	302	237	168

NP 05 SERIES

PERFORMANCE CURVE

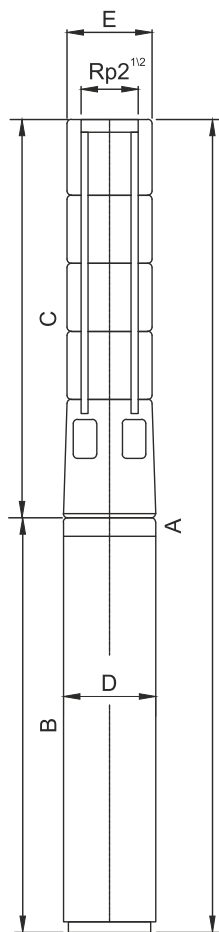
50 Hz / 2880 RPM



NP 08 SERIES

Technical Data

50 Hz / 2880 RPM



Pump Type	MOTOR TYPE	Motor Rating		DIMENSION IN MM			NET WEIGHT PUMP (kg)
		kW	HP	C	B	RP	
NP 8 / 05	4 WF SS 10	0.75	1.00	410	560	50	4.55
NP 8 / 07	4 WF SS 15	1.10	1.50	482	590	50	5.25
NP 8 / 09	4 WF SS 20	1.50	2.00	554	625	50	5.95
NP 8 / 10	4 WF SS 20	1.50	2.00	590	625	50	6.27
NP 8 / 12	4 WF SS 30	2.20	3.00	662	680	50	7.32
NP 8 / 15	4 WF SS 30	2.20	3.00	770	680	50	8.51
NP 8 / 18	4 WF SS 40	3.00	4.00	878	725	50	9.89
NP 8 / 22	4 WF SS 55	4.00	5.50	1022	780	50	11.65
NP 8 / 25	4 WF SS 55	4.00	5.50	1152	780	50	12.98
NP 8 / 30	4 WF SS 75	5.50	7.50	1332	920	50	14.92
NP 8 / 34	4 WF SS 75	5.50	7.50	1476	920	50	17.22
NP 8 / 37	4 WF SS 75	5.50	7.50	1594	920	50	18.95
NP 8 / 44	4 WF SS 10	7.50	10.00	1860	1060	50	22.22
NP 8 / 50	4 WF SS 10	7.50	10.00	2076	1060	50	25.23
NP 8 / 58	6 WF CI 12	9.30	12.50	2390	795	50	30.47
NP 8 / 66	6 WF CI 15	11.00	15.00	2678	830	50	34.68
NP 8 / 73	6 WF CI 15	11.00	15.00	2954	830	50	38.57

*Maximum Diameter of Pump With One Motor Cable Guard

**Maximum Diameter of Pump With Two Motor Cable Guard

NP 08 SERIES

PERFORMANCE TABLE

50 Hz / 2880 RPM

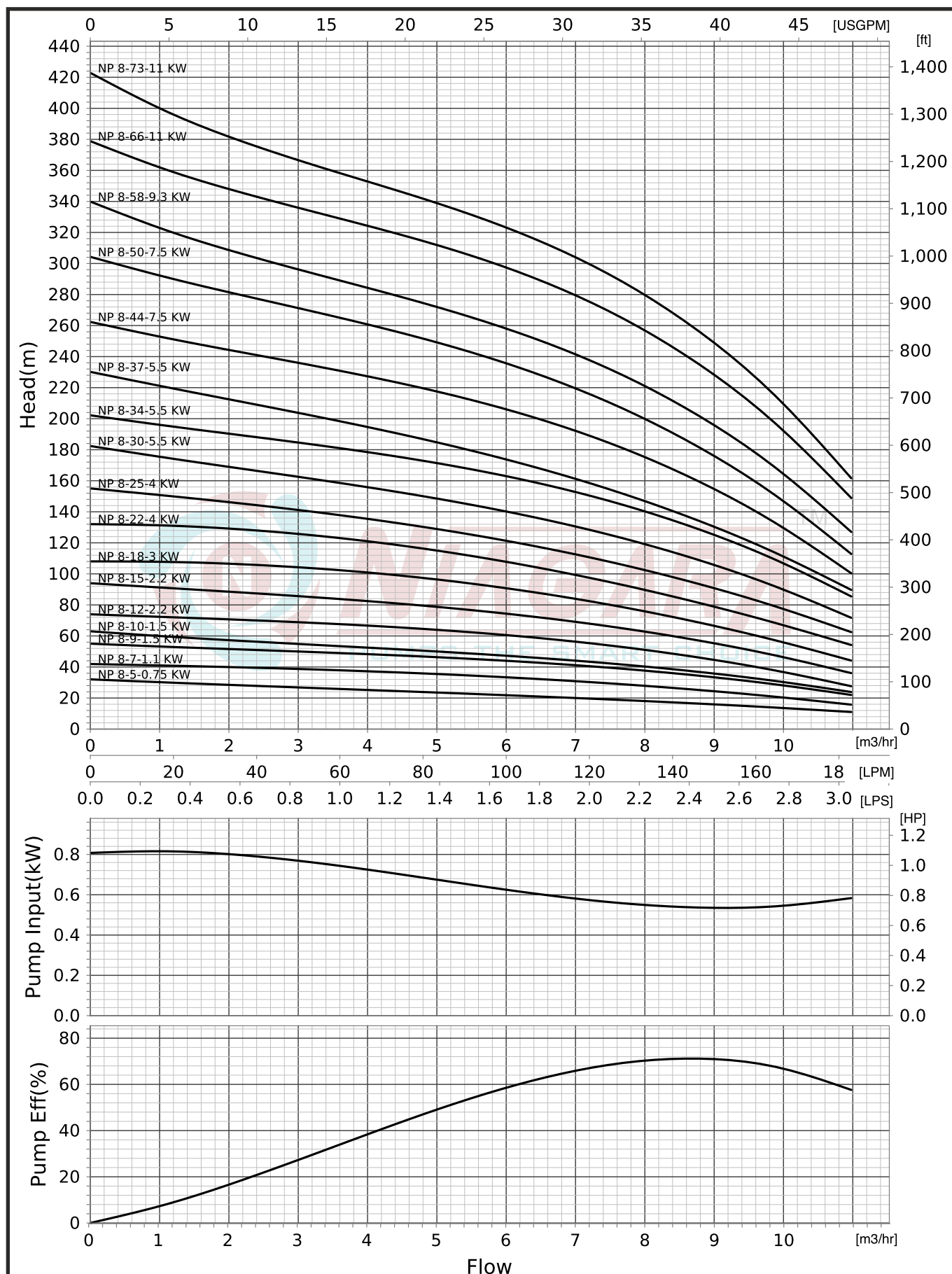
Out Let Size : 50 MM

Pump Type	MOTOR RATING		Gpm	0	13.155	17.593	22.031	26.311	30.749	35.187	39.625	44.063	48.343
			Lpm	0	49.8	66.6	83.4	99.6	116.4	133.2	150	166.8	183
	Kw	HP	m³/h	0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
			Lps	0	0.83	1.11	1.39	1.66	1.94	2.22	2.50	2.78	3.05
NP 8/05	0.75	1	HEAD IN METERS	32	27	25	23.5	22	20	18	16	13.5	11
NP 8/07	1.1	1.5		42	38.5	37	35.5	34	31.5	27	24.5	20	16
NP 8/09	1.5	2		55	50	48.5	46	44	41.5	37.5	33.5	28	22
NP 8/10	1.5	2		63	55	52	50	48	44	40	36	30	24
NP 8/12	2.2	3		74	68.5	67	64	61	56	51	44.5	37	27.5
NP 8/15	2.2	3		94	85.5	82.5	79	74.5	69	63	55	46.5	36
NP 8/18	3	4		108	104.5	101	96	91	84	76	66.5	56	44
NP 8/22	4	5.5		132	126	121	115	108	99	90	79	67	54
NP 8/25	4	5.5		155	141	136	129	121.5	112	102.5	91	78	62
NP 8/30	5.5	7.5		182	164	156	148	139	130	120	107	90	71
NP 8/34	5.5	7.5		202	185	179	171	162.5	153	140	126	107	85
NP 8/37	5.5	7.5		230	204	195	185	173	162	146	131	112	89
NP 8/44	7.5	10		262	237	228	217	205	191	177	156	129	100
NP 8/50	7.5	10		304	272	261	249	235	220	200	176	148	112
NP 8/58	9.3	12.5		339	300	284	270	255	241	225	198	162	127
NP 8/66	11	15		378	340	323	310	295	280	260	230	190	149
NP 8/73	11	15		422	370	352	338	320	305	282	250	209	161

NP 08 SERIES

PERFORMANCE CURVE

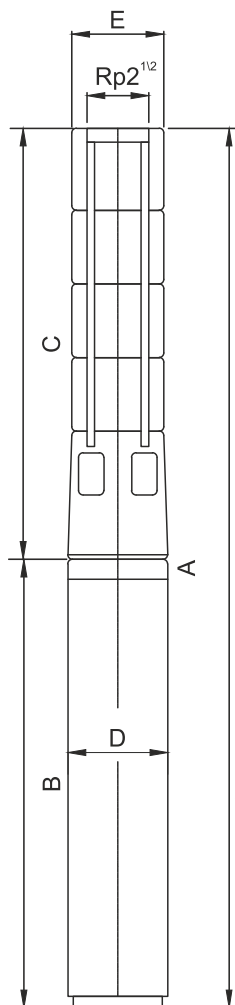
50 Hz / 2880 RPM



NP 14 SERIES

Technical Data

50 Hz / 2880 RPM



Pump Type	MOTOR TYPE	Motor Rating		DIMENSION IN MM			NET WEIGHT PUMP (kg)
				C	B	RP	
NP 14 / 05	4 WF SS 20	1.50	2.00	573	625	50	6.22
NP 14 / 07	4 WF SS 30	2.20	3.00	703	680	50	7.65
NP 14 / 09	4 WF SS 40	3.00	4.00	833	725	50	9.10
NP 14 / 10	4 WF SS 40	3.00	4.00	898	725	50	9.79
NP 14 / 11	4 WF SS 55	4.00	5.50	963	780	50	10.40
NP 14 / 13	4 WF SS 55	4.00	5.50	1093	780	50	11.80
NP 14 / 16	4 WF SS 75	5.50	7.50	1288	920	50	14.07
NP 14 / 18	4 WF SS 75	5.50	7.50	1418	920	50	15.50
NP 14 / 22	4 WF SS 10	7.50	10.00	1678	1060	50	18.95
NP 14 / 25	4 WF SS 10	7.50	10.00	1873	1060	50	20.85

*Maximum Diameter of Pump With One Motor Cable Guard
 **Maximum Diameter of Pump With Two Motor Cable Guard

NP 14 SERIES

PERFORMANCE TABLE

50 Hz / 2880 RPM

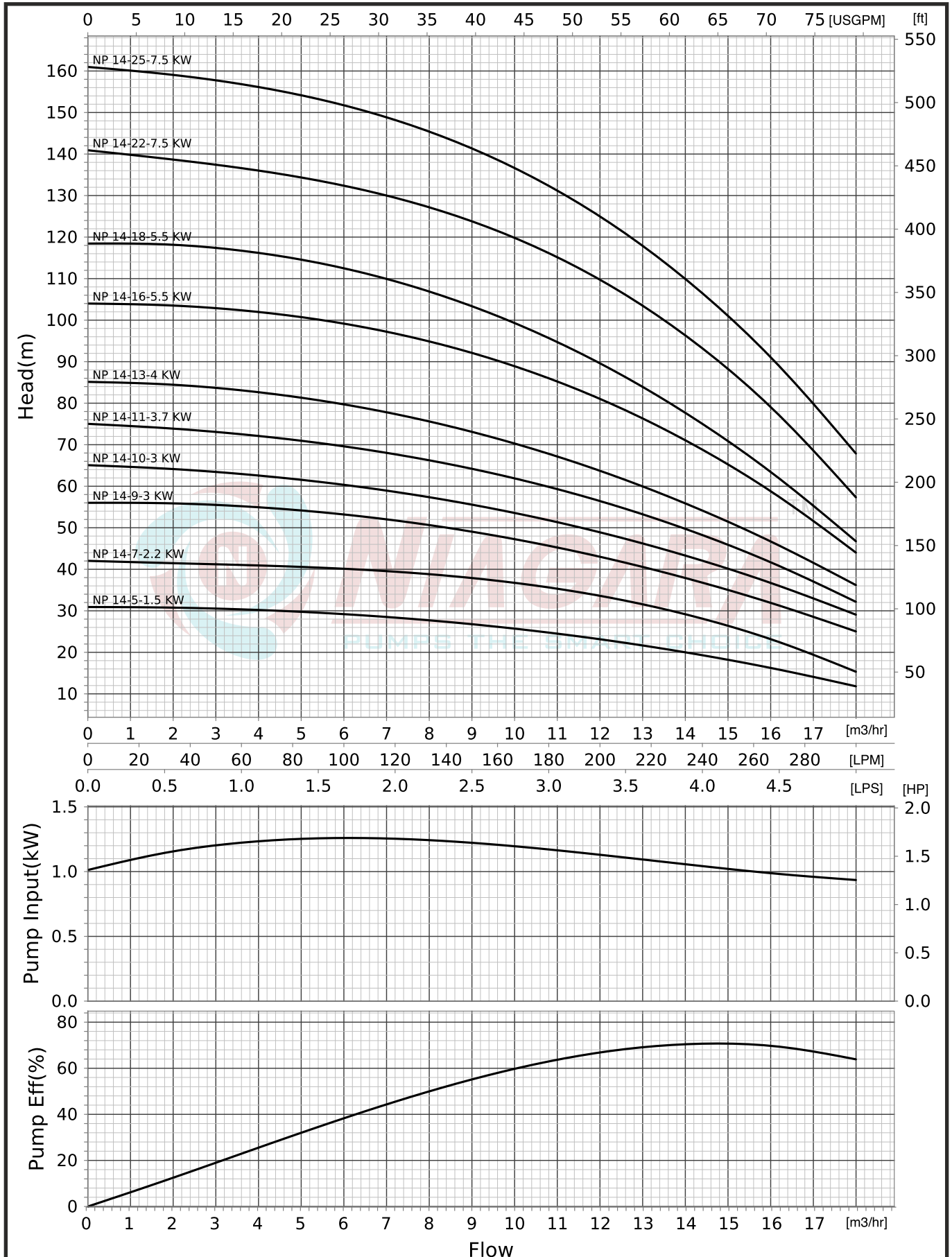
Out Let Size : 50 MM

Pump Type	MOTOR RATING		Gpm	0	17.593	26.470	35.187	44.063	52.781	61.657	70.375	79.521
			Lpm	0	66.6	100.2	133.2	166.8	199.8	233.4	266.4	300
	Kw	HP	m³/h	0	4	6	8	10	12	14	16	18
			Lps	0	1.11	1.67	2.22	2.78	3.33	3.89	4.44	5.00
NP 14/05	1.5	2	HEAD IN METERS	31	30	29	28	26	23	20	16	12
NP 14/07	2.2	3		42	41	40	39	37	33	29	24	15
NP 14/09	3	4		56	55	53	51	47	43	38	32	25
NP 14/10	3	4		65	63	60	57	54	49	43	37	29
NP 14/11	4	5.5		75	72	70	66	62	56	50	42	32
NP 14/13	4	5.5		85	83	80	75	70	64	56	47	36
NP 14/16	5.5	7.5		104	102	99	95	89	81	71	59	44
NP 14/18	5.5	7.5		119	115	112	107	100	91	81	56	50
NP 14/22	7.5	10		141	136	132	127	120	111	96	78	58
NP 14/25	7.5	10		161	156	152	145	137	125	110	91	68

NP 14 SERIES

PERFORMANCE CURVE

50 Hz / 2880 RPM



[illegible]

Thank you.

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