



Cast Iron Submersible Pumps

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

50Hz

○ INTRODUCTION TO NIAGARA PUMPS

NIAGARAPUMPS INDIA LLP is one of the world's leading water technology companies. We are committed to pioneering solutions to the world's water and climate challenges and improving the quality of life for people. Niagara pumps is an Indian based company started in the year 1997. Now, NIAGARA IS PRESENT IN WORLDWIDE.

○ SUSTAINABLE

Niagara runs its business in a responsible and ever more sustainable way. We make products and solutions that help our customers save natural resources and reduce climate impact. We take an active role in the society around us. Niagara is a socially responsible company. We take care of our people – also those with special needs.

○ BRAND PROMISE

In Niagara, we do what we say, and we say what we do. Our communication is open and honest among ourselves and with the world around us. We put the facts on the table – also when it is not pleasant. Niagara Pumps is committed to providing the best submersible pumps, to clients across the globe.

○ PARTNERSHIP

Niagara creates value through close relations with customers, suppliers, and others. We are a global company building on local entrepreneurship. We believe that diversity drives innovation and growth.

○ RELENTLESSLY AMBITIOUS

In Niagara, we never stop challenging ourselves to create better solutions faster. We take pride in delivering premium quality in everything we do. We show leadership and innovate the future. The management's Vision is to Build an image of a Company guided by 100% of its Core Values of Trust, Ethics, Dedication, Devotion, Discipline, Determination & performance.

○ OUR PURPOSE

"WE PIONEER SOLUTIONS TO THE WORLD'S WATER AND CLIMATE CHALLENGES AND IMPROVE QUALITY OF LIFE FOR PEOPLE" "We" – Niagara and our partners are seen as a strong collective. "Pioneer solutions" – we do things others cannot or dare not do. "To the world's water and climate challenges" – we can, will, and must play a vital role in tackling these through energy efficiency and intelligent water solutions. "Improve the quality of life for people" – we fundamentally care about people.

○ **PRODUCT & INFRASTRUCTURE**

The company manufacturing high quality and wide range of stainless steel submersible pumps, motors, and AC solar stainless-steel submersible pump sets, Upvc Column Pipe, Submersible Cables to customer networks spread across the globe. The company operated with an area covering 30000 sq. Ft located at Zak village Dis. Gandhinagar, Gujarat INDIA. The company has gained enough experience and expertise in manufacturing high-quality pumps. For achieving Excellency in our products, we have installed state-of-art plant equipment and types of machinery. Our testing department is also fully equipped with the latest measuring instruments & Physical Testing Instruments. We also installed a plant of SS & CI Casting. We have engaged 30 CNC Machining Job worker to work with us near our plant so easy to produce more production.

○ **QUALITY POLICY**

- ▶ NIAGARA will constantly provide products and services that meet or exceed the requirements of our customers.
- ▶ We will actively pursue ever-improving quality Through programs that enable each employee to do their job right the first time and every time.
- ▶ Establishing long term trust and relationships with our customers.
- ▶ Supplying consistent quality products as per customer requirements.
- ▶ Maintain scheduled delivery time.
- ▶ Bring up to date the effectiveness of the quality management system.

○ **ACHIEVEMENTS**

- ▶ ISO 9001 Certified Company.
- ▶ We have IS:8034 mark in submersible pump sets.
- ▶ We have certified licenses Bureau of Energy Efficiency (BEE).
- ▶ We have certified member of National Small Industries Corporation Limited (NSIC).
- ▶ More than 2000 varieties of water lifting pumps and motors.
- ▶ World wide market.



V3 WATER FILLED SUBMERSIBLE PUMP SET

Niagara Submersible Pump sets suitable for 80 mm borewell are specially designed, with the use of latest manufacturing techniques, to meet the water requirements of the different needs such as irrigation, Sprinkler Irrigation, Housing Complexes, Bungalows, Small Farms and many more.



○ SPECIAL FEATURES OF MOTOR

- Motor suitable for wide voltage 180/220V for 1 Ph.
- 2800 RPM (Syn) speed.
- Cap Start & Run (PSC), totally enclosed, water filled, squirrel cage induction motor suitable for 1 Ph AC supply in 50 Hz.
- Stainless steel stator shell-rust preventive.
- Winding wire poly propylene with insulation Class-B.
- Stainless steel rotor shaft - rust preventive and longer life.
- Powder coated rotor and baked for rust prevention.
- Rotor dynamically balanced-longer life.
- Solid copper bars inserted into our one piece billet rotor offer greater rigidity.
- Specially designed carbon thrust bearing set more life.
- Ease in rewinding- serviceability.

○ SPECIAL FEATURES OF PUMP

- Multistage pumps with new hydraulic design offers high level of performance,
- mechanically built to last long and provide un-interrupted service.
- Suction and discharge outlets are made of Cast Iron. Also available in Stainless Steel on request.
- Carefully designed impeller and Diffusers are made of resin impregnated thermoplastic.
- This material ensures high performance and longer life cycle of pump.
- Pump casing is of PPO 20% GF & PC 10% GF. Pump shaft in SS410.
- Hexagonal Bearing bush and Stainless Steel Sleeve with hard chrome increase the wear resistance of this pump against sand.
- Efficiently designed check valve guarantees trouble free service. even in most critical application. Cable guard and strainer in stainless steel.

○ STANDARD SPECIFICATION

- Power range : 0.37 kw to 1.1 kw (0.5 HP to 1.5 HP) – Single Phase.
- Speed : 2800 RPM.
- Version : A.C. Single Phase, 180–220 V. 50 Hz Capacitor Start & Run [CSCR], A.C. Single Phase.
- Type of Duty : S1 [Continuous].
- Flow Rate upto : 5 to 110 LPM.
- Head Range upto : 10 to 100 mt.
- Nominal Outlet Size : 25 & 32 mm.
- Maximum Liquid Temperature : 50° C.

○ GENERAL

- Better design – Optimum efficiency – Low power consumption.
- Light weight – Ease in installation.
- Silent running.
- Reliable in operation.
- Pumps & Motor Couplings are according to NEMA Standard For Export.

○ APPLICATIONS

- Irrigation and Drip Irrigation.
- Sprinkler, Gardening and Nursery.
- Domestic water supply.
- Bungalows & Housing complexes.
- Ornamental fountains.
- Small farms.

Niagara V3 Submersible Pump Set

3"

Performance Table & Price list

Suitable for 3" Bore well and above

Approximate Performance Chart at 2800 RPM, Single Phase 220 Volts, 50 Hz, A.C. Supply

N3R - 2 Series				RADIAL FLOW						Out Let Size : 25 & 32 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity							
					Gpm	5.28	8.72	10.57	12.68	13.74	15.32	16.64
					Lps	0.33	0.55	0.67	0.80	0.87	0.97	1.05
		M3/hr	1.20		1.98	2.40	2.88	3.12	3.48	3.78		
		Lpm	20		33	40	48	52	58	63		
1	N3R-2/10	0.37	0.50	10	HEAD IN METER	40	35	30	25	20	15	10
2	N3R-2/15	0.55	0.75	15		60	53	45	35	30	23	15
3	N3R-2/20	0.75	1.00	20		80	70	60	50	40	30	20
4	N3R-2/25	1.10	1.50	25		100	83	75	63	50	38	25

N3R - 4 Series				RADIAL FLOW							Out Let Size : 25 & 32 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	7.93	11.10	13.21	15.32	17.17	18.49	19.81	
					Lps	0.50	0.70	0.83	0.97	1.08	1.17	1.25	
		M3/hr	1.80		2.52	3.00	3.48	3.90	4.20	4.50			
		Lpm	30		42	50	58	65	70	75			
1	N3R-4/08	0.37	0.50	8	HEAD IN METER	32	28	24	20	16	12	8	
2	N3R-4/12	0.55	0.75	12		48	42	35	30	24	18	12	
3	N3R-4/15	0.75	1.00	15		60	53	45	38	30	23	15	
4	N3R-4/20	1.10	1.50	20		80	70	60	50	40	30	20	

N3R - 5 Series				RADIAL FLOW								Out Let Size : 25 & 32 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity									
					Gpm	9.25	12.68	17.17	19.81	21.13	22.45	23.78		
					Lps	0.58	0.80	1.08	1.25	1.33	1.42	1.50		
		M3/hr	2.10		2.88	3.90	4.50	4.80	5.10	5.40				
		Lpm	35		48	65	75	80	85	90				
1	N3R-5/06	0.37	0.50	6	HEAD IN METER	24	21	18	15	12	9	6		
2	N3R-5/10	0.55	0.75	10		40	35	30	25	20	15	10		
3	N3R-5/12	0.75	1.00	12		48	42	36	30	24	18	12		
4	N3R-5/15	1.10	1.50	15		60	53	45	38	30	23	15		

N3R - 7 Series				RADIAL FLOW							Out Let Size : 25 & 32 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	10.57	13.21	18.49	21.13	23.78	25.89	29.06	
					Lps	0.67	0.83	1.17	1.33	1.50	1.63	1.83	
		M3/hr	2.40		3.00	4.20	4.80	5.40	5.88	6.60			
		Lpm	40		50	70	80	90	98	110			
1	N3R-7/08	0.55	0.75	8	HEAD IN METER	32	28	24	20	16	12	8	
2	N3R-7/10	0.75	1.00	10		40	35	30	25	20	15	10	
3	N3R-7/12	1.10	1.50	12		48	42	36	30	24	18	12	



V4 WATER FILLED SUBMERSIBLE PUMP SET

- Niagara WF4" (100MM Water Filled) Submersible pump sets are specially designed, with the use of latest manufacturing techniques, to meet the water requirements of the different needs such as irrigation, Sprinkler Irrigation, Housing Complexes, Bungalows, Small Farms and many more.



○ SPECIAL FEATURES OF MOTOR

- Motor suitable for wide voltage 180/220V for 1 Ph & 250/415V for 3 Ph.
- 2800 RPM (Syn) speed.
- Cap Start & Run (PSC), totally enclosed, water filled, squirrel cage induction motor suitable for 1 Ph & 3 Ph AC supply in 50 Hz.
- Stainless steel stator shell-rust preventive.
- Winding wire poly propylene with insulation Class-B.
- Stainless steel rotor shaft - rust preventive and longer life.
- Powder coated rotor and baked for rust prevention.
- Solid copper bars inserted into our one piece billet rotor offer greater rigidity or aluminum pressure die cast rotor.
- Rotor dynamically balanced-longer life.
- Specially designed carbon thrust bearing set more life.
- Ease in rewinding- serviceability.

○ SPECIAL FEATURES OF PUMP

- Multistage pumps with new hydraulic design offers high level of performance, mechanically built to last long and provide un-interrupted service.
- Suction and discharge outlets are made of Cast Iron.
- Also available in Stainless Steel on request. Carefully designed impeller and Diffusers are made of resin impregnated thermoplastic.
- This material ensures high performance and longer life cycle of pump.
- Pump casing is of PPO 20% GF & PC 10% GF. Pump shaft in SS410.
- Hexagonal Bearing bush and Stainless Steel Sleeve with hard chrome increase the wear resistance of this pump against sand.
- Efficiently designed check valve guarantees trouble free service.
- even in most critical application. Cable guard and strainer in stainless steel.

○ **STANDARD SPECIFICATION**

- Power range : 0.37 kw to 2.2kw(0.5HPto3HP)-Single Phase / 0.37 kw to 3.7 kw(0.5HP to 5HP) - Three Phase.
- Speed : 2800 RPM. Version : A.C. Single Phase, 180-220 V. 50 Hz
- Capacitor Start & Run [CSCR], A.C. Three Phase, 380-415 V. 50 Hz
- Direct on Line [DOL]. Type of Duty : S1 [Continuous].
- Flow Rate upto : 5 to 130 LPM.
- Head Range upto : 11 to 274 mt.
- Nominal Outlet Size : 32, 38, & 50 mm.
- MaximumLiquid-Temperature : 50° C.

○ **GENERAL**

- Better design - Optimum efficiency - Low power consumption.
- Light weight - Ease in installation.
- Silent running.
- Reliable in operation.
- Pumps & MotorCouplingsare according to NEMA Standard For Export.

○ **APPLICATIONS**

- Irrigation andDriplrrigation.
- Sprinkler, Gardening and Nursery.
- Domestic water supply.
- Bungalows & Housing complexes.
- Ornamental fountains.
- Small farms.



V4 OIL FILLED SUBMERSIBLE PUMP SET

Niagara OF 4" (100MM Oil Filled) Submersible pump sets 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 pump sets, 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. Elevated starting torque, mechanical Compactness, superior performance together with most complete range of Products are the principal feature making the OF4" Series Pump Sets. The special design allow an easy access and replacement of all parts subject to the Wear marking simply and quick the eventual servicing of The Pump Sets.

○ SPECIAL FEATURES OF MOTOR

- Motor casing and shaft made in Stainless Steel AISI 420.
- Upper & Lower bracket and Motor base are made in cast iron and also available in SS 410 on request.
- Axial and radial thrust ball bearing.
- Standard mechanical Seal graphite \ ceramic.
- Special Cooling fluid for a better lubricant effect to increase life of moving parts.
- The liquid with its high thermal capacity diaphragm and sand slinger protection.
- Flange & Shaft protrusion as per NEMA Standard for export.
- Degree of Protection: IP 68.
- Dynamically balanced rotor ensure smooth running.
- Winding wire is dual coated with insulation class-F.
- Removable cable connector.
- Motor cable length 3m/3core.

○ SPECIAL FEATURES OF PUMP

- Multistage pumps with new hydraulic design offers high level of performance, mechanically build to last long and provide un-interrupted service.
- Suction and discharge outlets are made of Cast Iron. Also available in Stainless Steel on request.
- Carefully designed impeller and Diffusers are made of resin impregnated thermoplastic.
- This material ensures high performance and longer life cycle of pump.
- Pump casing is of PPO 20% GF & PC 10% GF. Pump shaft in SS410.
- Hexagonal Bearing bush and Stainless Steel Sleeve with hard chrome increase the wear resistance of this pump against sand.
- Efficiently designed check valve guarantees trouble free service. even in most critical application.
- Cable guard and strainer in stainless steel.

○ STANDARD SPECIFICATION

- Power range : 0.37 kw to 2.2kw (0.5HP to 3HP) single phase / three phase.
- Speed : 2800 RPM.
- Rotation : CCW.
- Version : A.C. Single Phase, 150–220V. 50 Hz Capacitor Start & Run [CSCR].
- Type of Duty : S1 [Continuous].
- Nominal Outlet Size : 32, 38, & 50 mm.
- Maximum Liquid-Temperature : 45° C with at least 0.08 m/sec of water Flow Speed.

○ GENERAL

- Better design – Optimum efficiency – Low power consumption.
- Light weight – Ease in installation.
- Filled with special grade oil Lubricant.
- Silent running.
- Reliable in operation.
- Pumps & Motor Couplings are according to NEMA Standard For Export.

○ APPLICATIONS

- Irrigation and Drip Irrigation.
- Sprinkler, Gardening and Nursery.
- Domestic water supply & Industrial Water Supply Schemes.
- Bungalows & Housing complexes.
- Ornamental fountains & Small Farms.

Niagara V4 Submersible Pump Set

Performance Table & Price list
 Suitable for 4" Bore well and above

4"

Approximate Performance Chart at 2800 RPM, Single Phase 220Volts & Three Phase 415Volts , 50 Hz, A.C.Supply

N4R - 1 Series				RADIAL FLOW							Out Let Size : 32 & 38 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	1.32	2.64	3.96	5.28	6.60	7.93	10.57
					Lps	0.0	0.08	0.17	0.25	0.33	0.42	0.50	0.67
		M3/hr	0.0		0.30	0.60	0.90	1.20	1.50	1.80	2.40		
		Lpm	0.0		5	10	15	20	25	30	40		
1	N4R 01/08	0.37	0.50	8	HEAD IN METER	47	46	43	42	38	34	29	19
2	N4R 01/09	0.37	0.50	9		53	51	40	47	43	39	32	22
3	N4R 01/10	0.55	0.75	10		59	57	54	52	48	43	36	24
4	N4R 01/12	0.55	0.75	12		71	68	65	63	58	52	43	29
5	N4R 01/16	0.75	1.00	16		95	91	87	84	77	69	58	38
6	N4R 01/18	0.75	1.00	18		106	103	98	94	88	77	65	43
7	N4R 01/21	0.75	1.00	21		124	120	114	110	101	90	75	50
8	N4R 01/25	1.10	1.50	25		148	142	138	131	120	108	90	60
9	N4R 01/27	1.10	1.50	27		160	154	146	142	130	115	97	65
10	N4R 01/30	1.50	2.00	30		177	171	163	158	144	129	108	72
11	N4R 01/32	1.50	2.00	32		189	182	173	168	154	138	115	77
12	N4R 01/37	1.50	2.00	37		219	211	201	194	175	159	133	89

N4R - 2 Series				RADIAL FLOW								Out Let Size : 32 & 38 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity									
					Gpm	0.0	3.17	5.28	7.93	9.25	10.57	11.89	14.53	17.17
		Lps	0.0		0.20	0.33	0.50	0.58	0.67	0.75	0.92	1.08		
		M3/hr	0.0		0.72	1.20	1.80	2.10	2.40	2.70	3.30	3.90		
		Lpm	0.0		12	20	30	35	40	45	55	65		
1	N4R 02/06	0.37	0.50	6	HEAD IN METER	34	33	32	30	28	27	25	22	11
2	N4R 02/08	0.55	0.75	8		46	44	42	40	38	36	33	29	15
3	N4R 02/10	0.55	0.75	10		58	55	52	50	48	45	41	36	19
4	N4R 02/12	0.75	1.00	12		69	66	62	60	57	54	49	43	23
5	N4R 02/16	1.10	1.50	16		92	88	83	80	76	72	66	58	30
6	N4R 02/18	1.10	1.50	18		104	99	94	90	86	81	74	65	34
7	N4R 02/21	1.10	1.50	21		121	115	109	105	100	94	86	76	40
8	N4R 02/25	1.50	2.00	25		144	137	130	125	119	112	102	90	48
9	N4R 02/27	1.50	2.00	27		155	158	140	135	128	121	111	97	51
10	N4R 02/32	1.50	2.00	32		184	175	166	160	152	143	131	115	61
11	N4R 02/38	2.00	3.00	38		218	208	198	190	180	170	156	137	72
12	N4R 02/42	3.00	4.00	42		242	230	218	210	200	188	272	151	80
13	N4R 02/50	3.00	4.00	50		288	274	260	250	238	224	205	180	95

Niagara V4 Submersible Pump Set

Performance Table & Price list
Suitable for 4" Bore well and above

4"

Approximate Performance Chart at 2800 RPM, Single Phase 220Volts & Three Phase 415Volts , 50 Hz, A.C.Supply

N4R - 4 Series				RADIAL FLOW										Out Let Size : 32 & 38 MM	
Sr. No.	Pump Type	Motor Rating		Stage	Capacity										
					Gpm	0.0	3.17	6.60	8.72	10.57	13.21	15.85	18.49	22.45	
					Lps	0.0	0.20	0.42	0.55	0.67	0.83	1.00	1.17	1.42	
		M3/hr	0.0		0.72	1.50	1.98	2.40	3.00	3.60	4.20	5.10			
		Lpm	0.0		12	25	33	40	50	60	70	85			
1	N4R 04/04	0.37	0.50	4	HEAD IN METER	24	23	22.5	22	21	20	18	16	12	
2	N4R 04/06	0.55	0.75	6		36	35	34	32.5	32	30	26	23	18	
3	N4R 04/07	0.55	0.75	7		42	41	38	38	37	35	31	27	21	
4	N4R 04/08	0.75	1.00	8		48	46	45	43	42	40	35	31	24	
5	N4R 04/10	0.75	1.00	10		60	58	56	54	53	50	44	39	30	
6	N4R 04/12	1.10	1.50	12		72	70	67	65	64	60	53	47	36	
7	N4R 04/14	1.10	1.50	14		84	81	78	76	74	70	62	55	42	
8	N4R 04/15	1.10	1.50	15		90	87	84	81	80	75	66	58	45	
9	N4R 04/16	1.50	2.00	16		96	93	90	86	85	80	70	62	48	
10	N4R 04/18	1.50	2.00	18		108	104	101	97	95	90	79	70	54	
11	N4R 04/20	1.50	2.00	20		120	116	112	108	106	100	88	76	60	
12	N4R 04/22	2.20	3.00	22		132	128	123	119	117	110	97	86	66	
13	N4R 04/25	2.20	3.00	25		150	145	140	135	132	125	110	98	75	
14	N4R 04/27	2.20	3.00	27		162	157	151	146	143	135	119	105	81	
15	N4R 04/30	3.00	4.00	30		180	174	168	162	159	150	132	117	90	
16	N4R 04/38	3.00	4.00	38		228	220	213	205	201	190	167	158	114	
17	N4R 04/45	4.00	5.50	45		270	261	252	243	239	225	198	176	135	

N4R - 5 Series				RADIAL FLOW								Out Let Size : 38 & 50 MM	
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	6.08	11.10	14.53	22.45	26.42	30.38	31.70
		Lps	0.0		0.38	0.70	0.92	1.42	1.67	1.92	2.00		
		M3/hr	0.0		1.38	2.52	3.30	5.10	6.00	6.90	7.20		
		Lpm	0.0		23	42	55	85	100	115	120		
1	N4R 05/05	0.55	0.75	5	HEAD IN METER	29	28	26	25	20	18	15	13
2	N4R 05/07	0.75	1.00	7		41	39	37	35	29	25	21	18
3	N4R 05/08	1.10	1.50	8		46	44	42	40	33	29	24	21
4	N4R 05/10	1.10	1.50	10		58	56	53	50	41	36	30	26
5	N4R 05/12	1.50	2.00	12		70	67	63	60	49	43	36	31
6	N4R 05/14	2.20	3.00	14		81	78	74	70	57	50	42	36
7	N4R 05/16	2.20	3.00	16		93	89	84	80	66	58	48	42
8	N4R 05/18	2.20	3.00	18		104	100	95	90	74	65	54	47
9	N4R 05/22	2.20	3.00	22		128	122	116	110	90	79	66	57
10	N4R 05/25	3.00	4.00	25		145	139	132	125	102	90	75	65
11	N4R 05/31	4.00	5.50	31		180	172	164	155	127	112	93	81



V6 SUBMERSIBLE PUMP SET (30 FT)

Niagara 150 MM Submersible pump-sets 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 pump-sets, 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.



○ SPECIAL FEATURES OF MOTOR

- Motorsuitable forwidevoltage 150/220Vfor 1 phand 250/415V for 3 Ph.
- 6" Water Lubricated Motors are rewindable.
- Winding wire poly propylene with insulation Class-B.
- Upper & Lower bracket and Motor base are made in cast iron and also available in SS 410 on request.
- Stamping material made in cold-rolled Ele. Grade.
- The stator shell is made of SS 304.
- Dynamically balanced rotor ensure smooth running.
- Solid copper bars inserted into our one piece billet rotor offer greater rigidity.
- Fully Stainless Steel AISI 420 Grade rotor shaft – rust preventive and longer life.
- Lip seal and sand guard to prevent ingress of impurities into the motor.
- Specially designed carbon /SS-420 3/4/5 Lose Segment thrust bearing set more life.
- Mounting is vertical / horizontal.
- Motorcable length: 3m/3core.

○ SPECIAL FEATURES OF PUMP

- Suction, stage casingand discharge outletin Cast Iron and also available in Stainless Steel on request.
- Impeller in core shooted sand casting SS- 410 for radial and mixed flow.
- Stainless Steel Sleeve with hard chrome increase the wear resistance of this pump against sand.
- Pump shaft in SS – 410.
- Bush Material made in LTB-4 & Nitrile Rubber bush.
- Additional bushes are fitted depending on the number of stages for radial flow & mixed flow pump.
- Non return valve (NRV) of SS.
- Cable guard and strainer in Stainless Steel AISI 304 Grade.
- All Fasteners In Stainless Steel AISI 304 Grade.
- Complete Stainless Steel pump available on request.

○ MORE FEATURES

- Easy to install and low running cost.
- Superior material of construction, design, high quality and state of the art manufacturing process ensure minimum maintenance.
- Easy assembling, dismantling.
- High pumping efficiency for reduced running costs.
- Energy efficient radial and mixed flow models, Improved hydraulic design ensures better efficiency.
- Design to start at low voltage and withstand wide voltage fluctuations.
- Noiseless Operations.
- Maintenance free water lubricated bushes.
- Replaceable wearing parts.

○ APPLICATIONS

- Irrigation.
- Drip/Sprinkler Irrigation scheme.
- Domestic water supply.
- Housing complexes.
- Industrial water supply schemes.

○ STANDARD SPECIFICATIONS

- Range: - 2.2Kw to 45 kW (3 to 60HP).
- Version :- A.C. Single phase 150-220V and Three Phase, 250-415 V.- 50 Hz.
- Speed :- 2900 RPM.
- Nominal Outlet Size :- 50 MM, 65 MM & 75 MM.
- Head Range :- 8 to 270 Mtr.
- Flow Rate upto :- 0.6 to 25 LPS.
- Maximum Liquid Temperature :- 50° C.
- Allowable voltage variation :- +6%/-10%.
- Rotation :- Clockwise when viewed from motor end.

Niagara V6 Submersible Pump Set (30FT)

6"

Performance Table & Price list

Suitable for 150mm Bore well and above

Approximate Performance Chart at 2800 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
Maximim O.D. : 142mm

N6R - 30				RADIAL FLOW						Out Let Size : 50 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity							
					Gpm	10.6	14.5	18.5	23.8	26.4	31.7	37.0
					Lps	0.67	0.92	1.17	1.50	1.67	2.00	2.33
		M3/hr	2.40		3.30	4.20	5.40	6.00	7.20	8.40		
		Lpm	40		55	70	90	100	120	140		
1	N6R 30/8	2.2	3	8	HEAD IN METER	72	71	68	65	60	56	48
2	N6R 30/9	2.2	3	9		81	80	77	73	68	63	54
3	N6R 30/10	2.2	3	10		90	88	86	82	75	70	60
4	N6R 30/11	2.2	3	11		99	97	94	90	83	77	66
5	N6R 30/12	3	4	12		108	105	101	99	89	84	72
6	N6R 30/13	3	4	13		117	115	110	106	98	91	78
7	N6R 30/14	3	4	14		126	124	119	114	105	98	84
8	N6R 30/15	3.7	5	15		135	133	128	122	113	105	90
9	N6R 30/16	3.7	5	16		144	142	136	130	120	112	96
10	N6R 30/17	3.7	5	17		153	149	146	140	128	119	102
11	N6R 30/18	4.5	6	18		162	159	153	147	135	126	108
12	N6R 30/20	4.5	6	20		180	176	172	164	150	140	120
13	N6R 30/25	5.5	7.5	25		225	220	215	204	188	175	150
14	N6R 30/30	7.5	10	30		270	264	258	246	225	210	180

N6R - 40		RADIAL FLOW										Out Let Size : 50 MM	
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	21.1	23.8	26.4	31.7	38.3	43.6	50.2	
					Lps	1.33	1.50	1.67	2.00	2.42	2.75	3.17	
		M3/hr	4.80		5.40	6.00	7.20	8.70	9.90	11.40			
		Lpm	80		90	100	120	145	165	190			
1	N6R 40/8	2.2	3	8	HEAD IN METER	72	71	68	65	60	56	48	
2	N6R 40/9	2.2	3	9		81	80	77	73	68	63	54	
3	N6R 40/10	3	4	10		90	87	84	82	74	70	60	
4	N6R 40/11	3	4	11		99	97	94	90	83	77	66	
5	N6R 40/12	3.7	5	12		108	105	101	99	89	84	72	
6	N6R 40/13	3.7	5	13		117	115	110	106	98	91	78	
7	N6R 40/14	3.7	5	14		126	124	119	114	105	98	84	
8	N6R 40/15	4.5	6	15		135	130	126	123	111	105	90	
9	N6R 40/16	4.5	6	16		144	138	134	130	120	112	96	
10	N6R 40/17	5.5	7.5	17		153	148	144	139	127	119	102	
11	N6R 40/18	5.5	7.5	18		162	156	152	147	133	126	108	
12	N6R 40/25	7.5	10	25		225	217	211	204	185	175	150	

Niagara V6 Submersible Pump Set (30FT)

6"

Performance Table & Price list

Suitable for 150mm Bore well and above

Approximate Performance Chart at 2800 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
 Maximim O.D. : 142mm

N6R - 50				RADIAL FLOW								Out Let Size : 50 MM	
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	29.1	31.7	35.7	42.3	47.6	55.5	64.7	
					Lps	1.83	2.00	2.25	2.67	3.00	3.50	4.08	
		M3/hr	6.60		7.20	8.10	9.60	10.80	12.60	14.70			
		Lpm	110		120	135	160	180	210	245			
1	N6R 50/6	2.2	3	6	HEAD IN METER	54	53	51	49	45	42	36	
2	N6R 50/7	3	4	7		63	62	59	57	52	49	43	
3	N6R 50/8	3	4	8		72	71	68	66	60	56	48	
4	N6R 50/9	3.7	5	9		81	80	76	73	67	63	54	
5	N6R 50/10	3.7	5	10		90	88	85	82	75	70	60	
6	N6R 50/11	4.5	6	11		99	97	93	90	82	77	66	
7	N6R 50/12	4.5	6	12		108	106	102	99	90	84	72	
8	N6R 50/13	5.5	7.5	13		117	115	110	106	97	91	78	
9	N6R 50/14	5.5	7.5	14		126	124	119	115	105	98	84	
10	N6R 50/15	5.5	7.5	15		135	132	127	124	112	105	90	
11	N6R 50/16	5.5	7.5	16		144	141	136	130	120	112	96	
12	N6R 50/17	7.5	10	17		153	150	144	139	127	119	102	
13	N6R 50/18	7.5	10	18		162	159	153	147	135	126	108	
14	N6R 50/20	7.5	10	20		180	176	170	164	150	140	120	
15	N6R 50/25	9.3	12.5	25		225	221	212	204	187	175	150	
16	N6R 50/30	11	15	30		270	265	255	247	225	210	180	

N6R - 60				RADIAL FLOW								Out Let Size : 50 MM	
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	34.3	39.6	44.9	50.2	60.8	71.3	81.9	
					Lps	2.17	2.50	2.83	3.17	3.83	4.50	5.17	
		M3/hr	7.80		9.00	10.20	11.40	13.80	16.20	18.60			
		Lpm	130		150	170	190	230	270	310			
1	N6R 60/5	2.2	3	5	HEAD IN METER	46	44	43	41	38	34	30	
2	N6R 60/6	3	4	6		55	53	51	49	45	41	36	
3	N6R 60/7	3	4	7		64	61	60	57	53	47	42	
4	N6R 60/8	3.7	5	8		73	70	68	65	60	54	48	
5	N6R 60/9	4.5	6	9		82	79	76	73	67	61	54	
6	N6R 60/10	4.5	6	10		92	88	86	83	76	68	60	
7	N6R 60/11	5.5	7.5	11		101	97	94	90	82	74	66	
8	N6R 60/12	5.5	7.5	12		110	105	103	99	91	81	72	
9	N6R 60/13	7.5	10	13		119	114	111	106	98	88	78	
10	N6R 60/14	7.5	10	14		128	123	120	115	106	95	84	
11	N6R 60/15	7.5	10	15		137	132	128	123	113	102	90	
12	N6R 60/16	7.5	10	16		147	140	137	131	121	109	96	
13	N6R 60/20	9.3	12.5	20		184	176	172	164	152	136	120	
14	N6R 60/24	11	15	24		220	211	206	196	182	163	144	

Niagara V6 Submersible Pump Set (30FT)

6"

Performance Table & Price list

Suitable for 150mm Bore well and above

Approximate Performance Chart at 2800 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
Maximim O.D. : 142mm

N6R - 70				RADIAL FLOW								Out Let Size : 50 MM	
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	39.6	44.9	50.2	58.1	68.7	75.3	92.5	
					Lps	2.50	2.83	3.17	3.67	4.33	4.75	5.83	
		M3/hr	9.00		10.20	11.40	13.20	15.60	17.10	21.00			
		Lpm	150		170	190	220	260	285	350			
1	N6R 70/4	2.2	3	4	HEAD IN METER	37	35	34	32	30	28	24	
2	N6R 70/5	3	4	5		46	44	43	41	38	35	30	
3	N6R 70/6	3.7	5	6		55	53	51	49	45	42	36	
4	N6R 70/7	3.7	5	7		64	61	59	57	52	49	42	
5	N6R 70/8	4.5	6	8		74	70	68	65	60	56	48	
6	N6R 70/9	4.5	6	9		83	79	76	73	67	63	54	
7	N6R 70/10	5.5	7.5	10		92	88	85	82	75	70	60	
8	N6R 70/11	5.5	7.5	11		102	97	93	90	82	77	66	
9	N6R 70/12	7.5	10	12		111	105	102	98	90	84	72	
10	N6R 70/13	7.5	10	13		120	114	110	106	97	91	78	
11	N6R 70/14	7.5	10	14		129	122	119	114	105	98	84	
12	N6R 70/15	7.5	10	15		138	131	127	122	112	105	90	
13	N6R 70/16	9.3	12.5	16		148	140	136	130	120	112	96	
14	N6R 70/17	9.3	12.5	17		157	149	144	139	127	119	102	
15	N6R 70/18	9.3	12.5	18		166	157	153	147	135	126	108	
16	N6R 70/20	11	15	20		185	175	170	164	150	140	120	

N6R - 80				RADIAL FLOW								Out Let Size : 50 MM	
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	46.2	55.5	64.7	71.3	79.3	89.8	100.4	
					Lps	2.92	3.50	4.08	4.50	5.00	5.67	6.33	
		M3/hr	10.50		12.60	14.70	16.20	18.00	20.40	22.80			
		Lpm	175		210	245	270	300	340	380			
1	N6R 80/3	2.2	3	3	HEAD IN METER	27	26	25	24	23	21	18	
2	N6R 80/4	3	4	4		36	35	34	33	30	28	24	
3	N6R 80/5	3	4	5		45	44	42	41	37	35	30	
4	N6R 80/6	3.7	5	6		54	53	51	49	45	42	36	
5	N6R 80/7	4.5	6	7		63	61	59	57	52	49	42	
6	N6R 80/8	5.5	7.5	8		72	71	68	65	60	56	48	
7	N6R 80/9	5.5	7.5	9		81	80	76	73	67	63	54	
8	N6R 80/10	7.5	10	10		90	88	85	82	75	70	60	
9	N6R 80/11	7.5	10	11		99	97	93	90	82	77	66	
10	N6R 80/12	7.5	10	12		108	106	102	98	90	84	72	
11	N6R 80/13	7.5	10	13		117	115	110	106	97	91	78	
12	N6R 80/14	9.3	12.5	14		126	124	119	114	105	98	84	
13	N6R 80/15	9.3	12.5	15		135	132	127	124	112	105	90	
14	N6R 80/16	11	15	16		144	141	136	130	120	112	96	
15	N6R 80/17	11	15	17		153	150	144	139	127	119	102	
16	N6R 80/18	11	15	18		162	159	153	147	135	126	108	
17	N6R 80/22	13	17.5	22		198	194	187	180	165	154	132	

Niagara V6 Submersible Pump Set (30FT)

6"

Performance Table & Price list

Suitable for 150mm Bore well and above

Approximate Performance Chart at 2800 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
 Maximim O.D. : 142mm

N6R - 100				RADIAL FLOW								Out Let Size : 50 MM	
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	71.3	84.5	87.2	89.8	97.7	108.3	118.9	
					Lps	4.50	5.33	5.50	5.67	6.17	6.83	7.50	
		M3/hr	16.20		19.20	19.80	20.40	22.20	24.60	27.0			
		Lpm	270		320	330	340	370	410	450			
1	N6R 100/3	2.2	3	3	HEAD IN METER	28	27	26	25	23	21	18	
2	N6R 100/4	3	4	4		37	36	34	33	30	28	24	
3	N6R 100/5	3.7	5	5		46	45	43	41	38	35	30	
4	N6R 100/6	4.5	6	6		56	54	52	49	46	42	36	
5	N6R 100/7	5.5	7.5	7		65	63	60	58	53	49	42	
6	N6R 100/8	5.5	7.5	8		74	72	69	65	61	56	48	
7	N6R 100/9	7.5	10	9		84	81	77	74	68	63	54	
8	N6R 100/10	7.5	10	10		93	90	86	82	76	70	60	
9	N6R 100/11	9.3	12.5	11		102	99	95	91	84	77	66	
10	N6R 100/12	9.3	12.5	12		112	108	104	99	92	84	72	
11	N6R 100/13	9.3	12.5	13		121	117	112	107	100	91	78	
12	N6R 100/14	11	15	14		130	126	120	115	107	98	84	
13	N6R 100/15	11	15	15		140	135	130	124	115	105	90	
14	N6R 100/17	13	17.5	17		158	153	147	141	130	119	102	
15	N6R 100/18	13	17.5	18		168	162	156	147	138	126	108	
16	N6R 100/20	15	20	20		186	180	173	164	153	140	120	

Niagara V6 Submersible Pump Set (30FT)

6"

Performance Table & Price list

Suitable for 150mm Bore well and above

Approximate Performance Chart at 2800 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
 Maximim O.D. : 142mm

N6M - 100				MIXED FLOW								Out Let Size : 50 & 65 MM	
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	89.8	92.5	97.7	112.3	118.9	132.1	145.3	
					Lps	5.67	5.83	6.17	7.08	7.50	8.33	9.17	
		M3/hr	20.40		21.00	22.20	25.5	27.0	30.0	33.0			
		Lpm	340		350	370	425	450	500	550			
1	N6M 100/3	2.2	3	3	HEAD IN METER	27	26	25	24	21	20	19	
2	N6M 100/4	3	4	4		36	35	33	31	28	27	25	
3	N6M 100/5	3.7	5	5		45	43	41	39	35	33	31	
4	N6M 100/6	4.5	6	6		54	52	50	47	42	40	38	
5	N6M 100/7	5.5	7.5	7		63	61	58	55	49	46	44	
6	N6M 100/8	5.5	7.5	8		72	69	66	61	56	53	50	
7	N6M 100/9	7.5	10	9		81	77	74	70	63	59	56	
8	N6M 100/10	7.5	10	10		90	86	83	78	70	66	63	
9	N6M 100/11	9.3	12.5	11		99	95	91	84	77	73	69	
10	N6M 100/12	9.3	12.5	12		108	104	100	92	84	80	76	
11	N6M 100/13	9.3	12.5	13		117	112	108	99	91	87	82	
12	N6M 100/14	11	15	14		126	121	116	107	98	93	88	
13	N6M 100/15	11	15	15		135	130	125	115	105	100	95	
14	N6M 100/18	13	17.5	18		162	156	150	135	126	120	114	
15	N6M 100/20	15	20	20		180	173	166	145	140	133	126	

N6M - 125				MIXED FLOW								Out Let Size : 50 & 65 MM	
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	89.8	108.3	121.5	142.7	150.6	174.4	187.6	
					Lps	5.67	6.83	7.67	9.00	9.50	11.00	11.83	
		M3/hr	20.40		24.60	27.6	32.4	34.2	39.6	42.6			
		Lpm	340		410	460	540	570	660	710			
1	N6M 125/3	3	4	3	HEAD IN METER	28	26	24	22	20	18	16	
2	N6M 125/4	3.7	5	4		37	34	32	30	26	24	21	
3	N6M 125/5	4.5	6	5		46	43	40	37	33	30	26	
4	N6M 125/6	5.5	7.5	6		56	52	48	45	40	36	32	
5	N6M 125/7	7.5	10	7		65	60	56	53	46	42	37	
6	N6M 125/8	7.5	10	8		74	69	64	60	53	48	42	
7	N6M 125/10	9.3	12.5	10		93	86	80	75	66	60	53	
8	N6M 125/11	11	15	11		102	95	88	83	73	66	58	
9	N6M 125/12	11	15	12		112	104	96	90	80	72	64	
10	N6M 125/14	11	15	14		127	114	105	98	86	77	67	
11	N6M 125/14	13	17.5	14		130	121	112	105	93	84	74	
12	N6M 125/16	15	20	16		149	138	128	120	106	96	85	

Niagara V6 Submersible Pump Set (30FT)

6"

Performance Table & Price list

Suitable for 150mm Bore well and above

Approximate Performance Chart at 2800 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
Maximim O.D. : 142mm

N6M - 150				MIXED FLOW							Out Let Size : 50 & 65 MM	
Sr. No.	Pump Type	Motor Rating		Stage	Capacity							
					Gpm	124.2	140.0	153.2	163.8	171.7	192.8	203.4
					Lps	7.83	8.83	9.67	10.33	10.83	12.17	12.83
		M3/hr	28.2		31.8	34.8	37.2	39.0	43.8	46.2		
		Lpm	470		530	580	620	650	730	770		
1	N6M 150/3	3.7	5	3	HEAD IN METER	28	26	24	22	20	18	16
2	N6M 150/4	4.5	6	4		37	34	32	30	26	24	21
3	N6M 150/5	5.5	7.5	5		46	43	40	37	33	30	26
4	N6M 150/6	7.5	10	6		55	52	48	45	40	36	32
5	N6M 150/7	7.5	10	7		65	60	56	52	46	42	37
6	N6M 150/8	9.3	12.5	8		74	69	64	60	53	48	42
7	N6M 150/10	11	15	10		93	86	80	75	66	60	53
8	N6M 150/12	13	17.5	12		112	104	96	90	80	72	64
9	N6M 150/12	15	20	12		118	112	105	98	88	80	70
10	N6M 150/14	15	20	14		130	121	112	105	93	86	74

N6M - 200				MIXED FLOW								Out Let Size : 65 & 75 MM	
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	129.4	150.6	179.6	221.9	232.5	261.5	277.4	
					Lps	8.17	9.50	11.33	14.00	14.67	16.50	17.50	
		M3/hr	29.4		34.2	40.8	50.4	52.8	59.4	63.0			
		kW	HP		Lpm	490	570	680	840	880	990	1050	
1	N6M 200/3	4.5	6	3	HEAD IN METER	28	27	24	22	21	18	16	
2	N6M 200/4	5.5	7.5	4		38	36	32	30	28	24	22	
3	N6M 200/5	7.5	10	5		47	45	40	37	35	30	28	
4	N6M 200/6	9.3	12.5	6		57	54	48	45	42	36	33	
5	N6M 200/7	11	15	7		66	63	56	52	49	42	38	
6	N6M 200/8	11	15	8		76	72	64	60	56	48	44	
7	N6M 200/10	15	20	10		95	90	80	75	70	60	55	

Niagara V6 Submersible Pump Set (30FT)

6"

Performance Table & Price list

Suitable for 150mm Bore well and above

Approximate Performance Chart at 2800 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
 Maximim O.D. : 142mm

N6M - 250				MIXED FLOW							Out Let Size : 65 & 75 MM	
Sr. No.	Pump Type	Motor Rating		Stage	Capacity							
					Gpm	76.6	206.1	258.9	290.6	314.4	335.5	353.2
					Lps	4.83	13.00	16.33	18.33	19.83	21.17	22.28
					M3/hr	17.40	46.8	58.8	66.0	71.4	76.2	80.20
		kW	HP		Lpm	290	780	980	1100	1190	1270	1337
1	N6M 250/2	3.7	5	2	HEAD IN METER	22	18	16	14	12	10	8
2	N6M 250/3	5.5	7.5	3		33	27	24	21	18	15	12
3	N6M 250/4	7.5	10	4		44	36	32	28	24	20	16
4	N6M 250/5	9.3	12.5	5		55	45	40	35	30	25	20
5	N6M 250/6	11	15	6		66	54	48	42	36	30	24
6	N6M 250/7	13	17.5	7		77	63	56	49	42	35	28
7	N6M 250/8	15	20	8		88	72	64	56	48	40	32

N6M - 300		MIXED FLOW								Out Let Size : 65 & 75 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity							
					Gpm	140.0	258.9	295.9	317.0	343.4	364.6	329.96
					Lps	8.83	16.33	18.67	20.00	21.67	23.00	25.00
		M3/hr	31.8		58.8	67.2	72.0	78.0	82.8	90.0		
		kW	HP		Lpm	530	980	1120	1200	1300	1380	1500
1	N6M 300/2	4.5	6	2	HEAD IN METER	22	18	16	14	12	10	8
2	N6M 300/3	7.5	10	3		33	27	24	21	18	15	12
3	N6M 300/4	9.3	12.5	4		44	36	32	28	24	20	16
4	N6M 300/5	11	15	5		55	45	40	35	30	25	20
5	N6M 300/6	13	17.5	6		66	54	48	42	36	30	24
6	N6M 300/7	15	20	7		77	63	56	49	42	35	28



V6 SUBMERSIBLE PUMP SET (50/70 FT)

Niagara 50 Feet Head Submersible pump sets 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 pumpsets, 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.



○ SPECIAL FEATURES OF MOTOR

- Motor suitable for wide voltage 150/220v for 1 ph and 250/415V for 3 Ph.
- 6" Water Lubricated Motors are rewindable.
- Winding wire poly propylene with insulation Class-B.
- Upper & Lower bracket and Motor base are made in cast iron and also available in SS 410 on request.
- Stamping material made in cold rolled Ele. Grade.
- The stator shell is made of SS 304.
- Dynamically balanced rotor ensure smooth running.
- Solid copper bars inserted into our one piece billet rotor offer greater rigidity.
- Fully Stainless Steel AISI 420 Grade rotor shaft - rust preventive and longer life.
- Lip seal and sand guard to prevent ingress of impurities into the motor.
- Specially designed carbon /SS-420 3/4/5 Lose Segment thrust bearing set more life.
- Mounting is vertical / horizontal.
- Motorcable length: 3m/3core.

○ SPECIAL FEATURES OF PUMP

- Suction, stage casing and discharge outlet in Cast Iron and also available in Stainless Steel on request.
- Bowls are made from investment casting process from SS 304 grade material.
- Impeller are made from SS-410 which provides longer life to pump sets.
- Pump shaft in SS - 410.
- Bush Material made in LTB-4 & Nitrile Rubber bush.
- Cable guard and strainer in Stainless Steel AISI 304 Grade.
- All Fasteners In Stainless Steel AISI 304 Grade.
- Complete Stainless Steel pump available on request.

○ MORE FEATURES

- Easy to install and low running cost.
- Superior material of construction, design, high quality and state of the art manufacturing process ensure minimum maintenance.
- Easy assembling, dismantling.
- High pumping efficiency for reduced running costs.
- Energy efficient radial and mixed flow models.
- Improved hydraulic design ensures better efficiency.
- Design to start at low voltage and withstand wide voltage fluctuations.
- Noiseless Operations. Maintenance free water lubricated bushes.
- Replaceable wearing parts.

○ APPLICATIONS

- Irrigation.
- Drip/Sprinkler Irrigation scheme.
- Domestic water supply.
- Housing complexes.
- Industrial water supply schemes.

○ STANDARD SPECIFICATIONS

- Range: - 2.2 Kw to 22 kW (3 to 30 HP).
- Version :- A.C. Single phase 150-220V and Three Phase, 250-415 V.- 50 Hz.
- Speed :- 2900 RPM.
- Nominal Outlet Size :- 50 MM, 65 MM & 75 MM.
- Maximum Liquid Temperature :- 50° C.
- Allowable voltage variation :- +6%/-10%.
- Rotation :- Clockwise when viewed from motor end.

Niagara V6 Submersible Pump Set (50FT)

6"

Performance Table & Price list

Suitable for 150mm Bore well and above

Approximate Performance Chart at 2800 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply

Maximim O.D. : 142mm

50 Feet Head													
N6R50H - 50		Out Let Size : 50 MM				Duty point head Per Stage : 12 Mtrs. Duty Point Discharge : 115 LPM Max Head Stage : 15 Mtrs.							
		RADIAL FLOW				Capacity							
		Motor Rating		Stage		Gpm	14.5	21.1	26.4	31.7	42.3	46.2	52.8
Sr. No.	Pump Type	kW	HP			Lps	0.92	1.33	1.67	2.00	2.67	2.92	3.33
						M3/hr	3.30	4.80	6.00	7.20	9.60	10.50	12.00
						Lpm	55	80	100	120	160	175	200
1	N6R50H 50/6	2.2	3	6	HEAD IN METER	90	84	78	72	60	48	36	24
2	N6R50H 50/8	3	4	8		120	112	104	96	80	64	48	32
3	N6R50H 50/10	3.7	5	10		150	140	130	120	100	80	60	40
4	N6R50H 50/12	4.5	6	12		180	168	156	144	120	96	72	48
5	N6R50H 50/15	5.5	7.5	15		225	210	195	180	150	120	80	60
6	N6R50H 50/20	7.5	10	20		300	280	260	240	200	160	120	80
7	N5R50H 60/24	9.3	12.5	24		360	336	312	288	240	192	144	96

50 Feet Head													
N6R50H - 60		Out Let Size : 50 MM				Duty point head Per Stage : 12 Mtrs. Duty Point Discharge : 160 LPM Max Head Stage : 15 Mtrs.							
		RADIAL FLOW				Capacity							
		Motor Rating		Stage		Gpm	21.1	29.1	37.0	43.6	55.5	59.4	66.0
Sr. No.	Pump Type	kW	HP			Lps	1.33	1.83	2.33	2.75	3.50	3.75	4.17
						M3/hr	4.80	6.60	8.40	9.90	12.60	13.50	15.00
						Lpm	80	110	140	165	210	225	250
1	N6R50H 60/5	2.2	3	5	HEAD IN METER	75	70	65	60	50	40	30	20
2	N6R50H 60/7	3	4	7		105	98	91	84	70	56	42	28
3	N6R50H 60/8	3.7	5	8		120	112	104	96	80	64	48	32
4	N6R50H 60/10	4.5	6	10		150	140	130	120	100	80	60	40
5	N6R50H 60/12	5.5	7.5	12		180	158	156	144	110	96	72	48
6	N6R50H 60/16	7.5	10	16		240	224	208	192	160	128	96	64
7	N6R50H 60/19	9.3	12.5	19		285	266	247	228	190	125	114	76
8	N6R50H 60/24	11	15	24		360	336	312	288	240	192	144	96

50 Feet Head													
N6R50H - 80		Out Let Size : 50 MM				Duty point head Per Stage : 12 Mtrs. Duty Point Discharge : 190 LPM Max Head Stage : 15 Mtrs.							
		RADIAL FLOW				Capacity							
		Motor Rating		Stage		Gpm	31.7	39.6	47.6	54.2	64.7	72.6	80.6
Sr. No.	Pump Type	kW	HP			Lps	2.00	2.50	3.00	3.42	4.08	4.58	5.08
						M3/hr	7.20	9.00	10.80	12.30	14.70	16.50	18.30
						Lpm	120	150	180	205	245	275	305
1	N6R50H 80/4	2.2	3	4	HEAD IN METER	60	56	52	48	40	32	24	16
2	N6R50H 80/5	3	4	5		75	70	65	60	50	40	24	20
3	N6R50H 80/6	3.7	5	6		90	84	78	72	60	48	36	24
4	N6R50H 80/7	4.5	6	7		105	98	91	84	70	56	42	28
5	N6R50H 80/8	4.5	6	8		120	112	104	96	80	64	48	32
6	N6R50H 80/10	5.5	7.5	10		150	140	130	120	100	80	60	40
7	N6R50H 80/12	7.5	10	12		180	188	156	144	120	196	72	48
8	N6R50H 80/15	9.3	12.5	15		225	210	195	100	150	120	90	60
9	N6R50H 80/18	11	15	18		270	252	234	216	180	144	108	72
10	N6R50H 80/21	13	17.5	21		315	294	273	252	210	168	126	84
11	N6R50H 80/24	15	20	24		360	336	312	288	240	192	144	96

Niagara V6 Submersible Pump Set (50FT)

6"

Performance Table & Price list

Suitable for 150mm Bore well and above

Approximate Performance Chart at 2800 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
Maximim O.D. : 142mm

50 Feet Head														
N6R50H - 100		Out Let Size : 50 MM				Duty point head Per Stage : 12 Mtrs.								
		RADIAL FLOW				Duty Point Discharge : 260 LPM								
						Max Head Stage : 15 Mtrs.								
Sr. No.	Pump Type	Motor Rating		Stage	Capacity									
					Gpm	52.8	55.5	64.7	74.0	87.2	96.4	105.7	113.6	121.5
		Lps	3.33	3.50	4.08	4.67	5.50	6.08	6.67	7.17	7.67			
		M3/hr	12.00	12.60	14.70	16.80	19.80	21.90	24.00	25.8	27.6			
		Lpm	200	210	245	280	330	365	400	430	460			
1	N6R50H 100/3	2.2	3	3	HEAD IN METER	45	42	39	36	30	24	18	12	6
2	N6R50H 100/4	3	4	4		60	56	52	48	40	32	24	16	8
3	N6R50H 100/5	3.7	5	5		75	70	66	60	50	40	30	20	10
4	N6R50H 100/5	4.5	6	6		90	84	78	72	60	48	36	24	12
5	N6R50H 100/8	5.5	7.5	8		120	112	104	96	80	64	48	32	16
6	N6R50H 100/10	7.5	10	10		150	140	130	120	100	80	60	40	20
7	N6R50H 100/12	9.3	12.5	12		180	168	156	144	120	96	72	48	24
8	N6R50H 100/15	11	15	15		225	210	195	180	150	120	90	60	30
9	N6R50H 100/18	13	17.5	18		270	252	234	216	180	144	108	72	36
10	N6R50H 100/20	15	20	20		300	280	260	240	200	160	120	80	40
11	N6R50H 100/25	18.5	25	25		375	350	325	300	250	200	150	100	50

50 Feet Head														
N6R50H - 125		Out Let Size : 50 MM				Duty point head Per Stage : 12 Mtrs. Duty Point Discharge : 340 LPM Max Head Stage : 15 Mtrs.								
		RADIAL FLOW												
						Capacity								
Sr. No.	Pump Type	Motor Rating		Stage	Gpm	56.8	74.0	87.2	97.7	116.2	126.8	137.4	147.9	155.9
					Lps	3.58	4.67	5.50	6.17	7.33	8.00	8.67	9.33	9.83
		M3/hr	12.90		16.80	19.80	22.20	26.4	28.8	31.2	33.6	35.4		
		Lpm	215		280	330	370	440	480	520	560	590		
1	N6R50H 125/3	3	4	3	HEAD IN METER	45	42	39	36	30	24	18	12	6
2	N6R50H 125/4	3.7	5	4		60	56	52	48	40	32	24	16	8
3	N6R50H 125/5	4.5	6	5		75	70	65	60	50	40	30	20	10
4	N6R50H 125/6	5.5	7.5	6		90	84	78	72	60	48	36	24	12
5	N6R50H 125/8	7.5	10	8		120	112	104	96	80	64	48	32	16
6	N6R50H 125/10	9.3	12.5	10		150	140	130	120	100	80	60	40	20
7	N6R50H 125/12	11	15	12		180	168	156	144	120	96	72	48	24
8	N6R50H 125/14	13	17.5	14		210	196	182	168	140	112	84	56	28
9	N6R50H 125/16	15	20	16		240	224	208	192	160	128	96	64	32
10	N6R50H 125/20	18.5	25	20		300	280	260	240	200	160	120	80	40
11	N6R50H 125/24	22	30	24		360	336	312	288	240	192	144	96	48

Niagara V6 Submersible Pump Set (50FT)

6"

Performance Table & Price list

Suitable for 150mm Bore well and above

Approximate Performance Chart at 2800 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
Maximim O.D. : 142mm

50 Feet Head															
N6R50H - 150				Out Let Size : 65 MM				Duty point head Per Stage : 12 Mtrs.							
				RADIAL FLOW				Duty Point Discharge : 390 LPM							
								Max Head Stage : 15 Mtrs.							
Sr. No.	Pump Type	Motor Rating		Stage	Capacity										
					Gpm	66.0	81.9	100.4	108.3	111.0	124.2	134.7	144.0	158.5	
					Lps	4.17	5.17	6.33	6.83	7.00	7.83	8.50	9.08	10.00	
		M3/hr	15.00		18.60	22.80	24.60	25.2	28.2	30.6	32.7	36.0			
		Lpm	250		310	380	410	420	470	510	545	600			
1	N6R50H 150/2	2.2	3	2	HEAD IN METER	30	28	26	25	24	20	16	12	8	
2	N6R50H 150/3	3.7	5	3		45	42	39	37	35	30	24	18	12	
3	N6R50H 150/4	4.5	6	4		60	56	52	50	48	40	32	24	16	
4	NGR50H 150/5	5.5	7.5	5		75	70	65	62	60	50	40	30	20	
5	N6R50H 150/7	7.5	10	7		105	98	91	87	84	70	56	42	28	
6	N6R50H 150/8	9.3	12.5	8		120	112	104	100	96	80	64	48	32	
7	N6R50H 150/10	11	15	10		150	140	130	125	120	100	80	60	40	
8	N6R50H 150/12	13	17.5	12		180	168	156	150	144	120	96	72	48	
9	N6R50H 150/13	15	20	13		195	182	169	162	156	130	104	78	52	
10	N6R50H 150/16	18.5	25	16		240	224	208	200	192	160	128	96	64	
11	N6R50H 150/20	22	30	20		300	280	260	250	240	200	160	120	80	

50 Feet Head														
N6R50H - 200				Out Let Size : 75 MM			Duty point head Per Stage : 12 Mtrs.							
				RADIAL FLOW			Duty Point Discharge : 500 LPM							
							Max Head Stage : 15 Mtrs.							
Sr. No.	Pump Type	Motor Rating		Stage	Capacity									
					Gpm	85.9	116.2	129.4	140.0	167.7	202.1	216.6	237.8	248.3
					Lps	5.42	7.33	8.17	8.83	10.58	12.75	13.67	15.00	15.67
		M3/hr	19.50		26.4	29.4	31.8	38.1	45.9	49.2	54.0	56.4		
		Lpm	325		440	490	530	635	765	820	900	940		
1	N6R50H 200/2	3	4	2	HEAD IN METER	30	28	26	24	20	16	12	8	4
2	N6R50H 200/3	4.5	6	3		45	42	39	36	30	24	18	12	6
3	N6R50H 200/4	5.5	7.5	4		60	56	52	48	40	32	24	16	8
4	N6R50H 200/5	7.5	10	5		75	70	65	60	50	40	30	20	10
5	N6R50H 200/6	9.3	12.5	6		90	84	78	72	60	48	36	24	12
6	N6R50H 200/8	11	15	8		120	112	104	96	80	64	48	32	16
7	N6R50H 200/9	13	17.5	9		135	126	117	108	90	72	54	36	18
8	N6R50H 200/10	15	20	10		150	140	130	120	100	80	60	40	20
9	N6R50H 200/12	18.5	25	12		180	168	156	144	120	96	72	48	24
10	N6R50H 200/15	22	30	15		225	210	195	180	150	120	90	60	30

Niagara V6 Submersible Pump Set (70FT)

6"

Performance Table & Price list

Suitable for 150mm Bore well and above

Approximate Performance Chart at 2800 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
Maximim O.D. : 142mm

70 Feet Head													
N6R70H - 80		Out Let Size : 50 MM							Duty point head Per Stage : 16 Mtrs.				
		RADIAL FLOW							Duty Point Discharge : 130 LPM				
									Max Head Stage : 20 Mtrs.				
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.00	18.5	27.7	30.4	34.3	38.3	47.6	56.8
					Lps	0.00	1.17	1.75	1.92	2.17	2.42	3.00	3.58
		M3/hr	0.00		4.20	6.30	6.90	7.80	8.70	10.80	12.90		
		Lpm	0		70	105	115	130	145	180	215		
1	N6R70H 80/4	2.2	3	4	HEAD IN METER	85	76	72	68	64	60	48	32
2	N6R70H 80/5	3	4	5		107	95	90	85	80	75	60	40
3	N6R70H 80/6	3.7	5	6		128	114	108	102	96	90	72	48
4	N6R70H 80/8	4.5	6	8		171	152	144	136	128	120	96	64
5	N6R70H 80/10	5.5	7.5	10		213	190	180	170	160	150	120	80
6	N6R70H 80/12	7.5	10	12		256	228	216	204	192	180	144	96
7	N6R70H 80/15	9.3	12.5	15		320	285	270	255	240	225	180	120
8	N6R70H 80/18	11	15	18		384	342	324	306	288	270	216	144
9	N6R70H 80/21	13	17.5	21		448	399	378	357	336	315	252	168
10	N6R70H 80/25	15	20	25		534	475	450	425	400	375	300	200
11	N6R70H 80/31	18.5	25	31		662	589	558	527	496	465	372	248
12	N6R70H 80/37	22	30	37		790	703	660	629	592	555	444	296

70 Feet Head													
N6R70H - 100		Out Let Size : 50 MM							Duty point head Per Stage : 16 Mtrs.				
		RADIAL FLOW							Duty Point Discharge : 180 LPM				
									Max Head Stage : 20 Mtrs.				
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.00	31.7	37.0	43.6	47.6	52.8	63.4	76.6
		Lps	0.00		2.00	2.33	2.75	3.00	3.33	4.00	4.83		
		M3/hr	0.00		7.20	8.40	9.90	10.80	12.00	14.40	17.40		
		Lpm	0		120	140	165	180	200	240	290		
1	N6R70H 100/3	2.2	3	3	HEAD IN METER	64	57	54	51	48	45	36	24
2	N6R70H 100/4	3	4	4		85	76	72	68	64	60	48	32
3	N6R70H 100/5	3.7	5	5		107	95	90	85	80	75	60	40
4	N6R70H 100/6	4.5	6	6		128	114	108	102	96	90	72	48
5	N6R70H 100/8	5.5	7.5	8		171	152	144	136	128	120	96	64
6	N6R70H 100/10	7.5	10	10		213	190	180	170	160	150	120	80
7	N6R70H 100/13	9.3	12.5	13		277	247	234	221	208	195	156	104
8	N6R70H 100/15	11	15	15		320	285	270	255	240	225	180	120
9	N6R70H 100/18	13	17.5	18		384	342	324	306	288	270	216	144
10	N6R70H 100/20	15	20	20		427	380	360	340	320	300	240	160
11	N6R70H 100/25	18.5	25	25		534	475	450	425	400	375	300	200
12	N6R70H 100/30	22	30	30		640	570	540	510	480	450	360	240

Niagara V6 Submersible Pump Set (70FT)

6"

Performance Table & Price list

Suitable for 150mm Bore well and above

Approximate Performance Chart at 2800 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
 Maximim O.D. : 142mm

70 Feet Head														
N6R70H - 125		Out Let Size : 65 MM						Duty point head Per Stage : 16 Mtrs.						
		RADIAL FLOW						Duty Point Discharge : 255 LPM Max Head Stage : 20 Mtrs.						
Sr. No.	Pump Type	Motor Rating		Stage	Capacity									
					Gpm	0.00	46.2	54.2	62.1	67.4	72.6	88.5	104.3	
					Lps	0.00	2.92	3.42	3.92	4.25	4.58	5.58	6.58	
					M3/hr	0.00	10.50	12.30	14.10	15.30	16.50	20.10	23.70	
		kW	HP		Lpm	0	175	205	235	255	275	335	395	
1	N6R70H 125/3	3	4	3	HEAD IN METER	64	57	54	51	48	45	36	24	
2	N6R70H 125/4	3.7	5	4		85	76	72	68	64	60	48	32	
3	N6R70H 125/5	4.5	6	5		107	95	90	85	80	75	60	40	
4	N6R70H 125/6	5.5	7.5	6		128	114	108	102	96	90	72	48	
5	N6R70H 125/8	7.5	10	8		171	152	144	136	128	120	96	64	
6	N6R70H 125/10	9.3	12.5	10		213	190	180	170	160	150	120	80	
7	N6R70H 125/12	11	15	12		256	228	216	204	192	180	144	96	
8	N6R70H 125/14	13	17.5	14		299	266	252	238	224	210	168	112	
9	N6R70H 125/16	15	20	16		341	304	288	272	256	240	192	128	
10	N6R70H 125/20	18.5	25	20		427	380	360	340	320	300	240	160	
11	N6R70H 125/24	22	30	24		512	456	432	408	384	360	288	192	

70 Feet Head														
N6R70H - 150				Out Let Size : 65 MM					Duty point head Per Stage : 16 Mtrs.					
				RADIAL FLOW					Duty Point Discharge : 300 LPM Max Head Stage : 20 Mtrs.					
Sr. No.	Pump Type	Motor Rating		Stage	Capacity									
					Gpm	0.00	59.4	67.4	72.6	79.3	87.2	103.0	120.2	
					Lps	0.00	3.75	4.25	4.58	5.00	5.50	6.50	7.58	
					M3/hr	0.00	13.50	15.30	16.50	18.00	19.80	23.40	27.29	
		kW	HP		Lpm	0	225	255	275	300	330	390	455	
1	N6R70H 150/2	2.2	3	2	HEAD IN METER	43	38	36	34	32	30	24	16	
2	N6R70H 150/3	3.7	5	3		64	57	54	51	48	45	36	24	
3	N6R70H 150/4	4.5	6	4		85	76	72	68	64	60	48	32	
4	N6R70H 150/5	5.5	7.5	5		107	95	90	85	80	75	60	40	
5	N6R70H 150/7	7.5	10	7		149	133	126	119	112	105	84	56	
6	N6R70H 150/8	9.3	12.5	8		171	152	144	136	128	120	96	64	
7	N6R70H 150/10	11	15	10		213	190	180	170	160	150	120	80	
8	N6R70H 150/12	13	17.5	12		256	228	216	204	192	180	144	96	
9	N6R70H 150/13	15	20	13		277	247	234	221	208	195	156	104	
10	N6R70H 150/16	18.5	25	16		341	304	288	272	256	240	192	128	
11	N6R70H 150/20	22	30	20		427	380	360	340	320	300	240	160	



V7 & JANTA MODEL SUBMERSIBLE PUMP SET

Niagara V7 & Janta model Submersible pump-sets are specially designed, with the use of the latest manufacturing techniques. Years of experience, superior design, and better manufacturing techniques have resulted in the development of this range of pump-sets, which are efficient and reliable in operation. Strict quality assurance standards during the total process assure trouble-free and reliable operation requiring minimum maintenance.



○ SPECIAL FEATURES OF MOTOR

- Motorsuitable forwidevoltage 250/415Vfor 3Ph.
- 6" Water Lubricated Motors are rewindable.
- Winding wire polypropylene with insulation Class-B.
- Upper & Lower bracket and Motor base are made in cast iron and also available in SS 410 on request.
- Stamping material made in cold-rolled Ele. Grade.
- Stator shell is made of SS 304.
- A dynamically balanced rotor ensure smooth running.
- Solid copper bars inserted into our one piece billet rotor offer greater rigidity.
- Fully Stainless Steel AISI 420 Grade rotor shaft - rust preventive and longer life.
- Lip seal and sand guard to prevent ingress of impurities into the motor.
- Specially designed carbon /SS-420 3/4/5 Lose Segment thrust bearing set more life.
- Mounting is vertical / horizontal.
- Motorcable length: 3m/3core.

○ SPECIAL FEATURES OF PUMP

- Suction, stage casingand dischargeoutletinCast Iron and also available in Stainless Steel on request.
- Impeller in sand casting SS-410 for mixed flow.
- Stainless steel sleeve with hard chrome increase the wear resistance of this pump against sand.
- Pump shaft in SS - 410.
- Bush Material made in LTB-4 & Nitrile Rubber bush.
- Additional bushes are fitted depending on the number of stages for mixed flow pump.
- Cable guard and strainer in Stainless Steel.
- Complete Stainless steel pump available on request.

○ MORE FEATURES

- Easy to install and low running cost.
- Superior construction materials, design, high quality, and a state-of-the-art manufacturing process ensure minimal maintenance.
- Easy assembling and dismantling.
- High pumping efficiency for reduced running costs.
- Energy-efficient mixed flow models.
- Improved hydraulic design ensures better efficiency.
- Design to start at low voltage and withstand wide voltage fluctuations.
- Noiseless Operations. Maintenance free water lubricated bushes.
- Replaceable wearingparts.

○ APPLICATIONS

- Irrigation.
- Drip/Sprinkler Irrigation scheme.
- Domestic water supply.
- Housing complexes.
- Industrial watersupplyschemes.

○ STANDARD SPECIFICATIONS

- Range: - 4.5Kw to 45 kW(6 to60HP).
- Version :- A.C. Three Phase, 250-415 V.- 50 Hz.
- Speed :- 2900 RPM.
- Nominal Outlet Size :- 100 MM.
- Head Range :- 12 to 80 mtr.
- Flow Rate upto :- 16 to 35 LPS.
- Maximum Liquid Temperature :- 50° C.
- Allowable voltage variation:- +6%/-10%.
- Rotation :- Clockwise when viewed from motor end.

Niagara V7 Submersible Pump Set

7"

Performance Table & Price list

Suitable for 175mm Bore well and above

Approximate Performance Chart at 2800 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
 Maximim O.D. : 175mm

NM6P7M - 25				MIXED FLOW								Out Let Size :100 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity									
					Gpm	0.0	118.9	138.7	184.9	211.3	231.2	251.0	290.6	
		Lps	0.00		7.50	8.75	11.67	13.33	14.58	15.83	18.33			
		M3/hr	0.0		27.0	31.5	42.0	48.0	52.5	57.0	66.0			
		Lpm	0		450	525	700	800	875	950	1100			
1	NM6P7M 25/2	3.7	5	2	HEAD IN METER	33	28	26	24	22	20	18	16	
2	NM6P7M 25/3	5.5	7.5	3		50	42	39	36	33	30	27	24	
3	NM6P7M 25/4	7.5	10	4		65	56	52	48	44	40	36	32	
4	NM6P7M 25/5	9.3	12.5	5		83	70	65	60	55	50	45	40	
5	NM6P7M 25/6	11	15	6		99	84	78	72	66	60	54	48	
6	NM6P7M 25/7	13	17.5	7		116	98	91	84	77	70	63	56	

NM6P7M - 30				MIXED FLOW							Out Let Size :100 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	125.5	171.7	211.3	244.4	277.4	297.2	323.6
		Lps	0.00		7.92	10.83	13.33	15.42	17.50	18.75	20.42		
		M3/hr	0.0		28.5	39.0	48.0	55.5	63.0	67.5	73.5		
		Lpm	0		475	650	800	925	1050	1125	1225		
1	NM6P7M 30/2	4.5	6	2	HEAD IN METER	34	30	28	26	24	22	20	18
2	NM6P7M 30/3	5.5	7.5	3		51	45	42	39	36	33	30	27
3	NM6P7M 30/4	9.3	12.5	4		68	60	56	52	48	44	40	36
4	NM6P7M 30/5	11	15	5		85	75	70	65	60	55	50	45
5	NM6P7M 30/6	13	17.5	6		102	90	84	78	72	66	60	54
6	NM6P7M 30/7	22	30	7		119	105	98	91	84	77	70	63
7	NM6P7M 30/8	26	35	8		136	120	112	104	96	88	80	72

Niagara V7 Submersible Pump Set

7"

Performance Table & Price list

Suitable for 175mm Bore well and above

Approximate Performance Chart at 2800 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
 Maximim O.D. : 175mm

NM6P7M - 40				MIXED FLOW							Out Let Size :100 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	132.1	191.5	244.4	277.4	310.4	336.8	356.6
					Lps	0.00	8.33	12.08	15.42	17.50	19.58	21.25	22.50
		M3/hr	0.0		30.0	43.5	55.5	63.0	70.5	76.5	81.0		
		Lpm	0		500	725	925	1050	1175	1275	1350		
1	NM6P7M 40/2	5.5	7.5	2	HEAD IN METER	35	32	30	28	26	24	22	20
2	NM6P7M 40/3	9.3	12.5	3		53	48	45	42	39	36	33	30
3	NM6P7M 40/4	11	15	4		70	64	60	56	52	48	44	40
4	NM6P7M 40/5	15	20	5		88	80	75	70	65	60	55	50
5	NM6P7M 40/6	18.5	25	6		106	96	90	84	78	72	66	60
6	NM6P7M 40/7	22	30	7		123	112	105	98	91	84	77	70
7	NM6P7M 40/8	22	30	8		141	128	120	112	104	96	88	80

NM6P7M - 50				MIXED FLOW							Out Let Size :100 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	237.8	290.6	317.0	343.4	369.8	409.5	435.9
					Lps	0.00	15.00	18.33	20.00	21.67	23.33	25.83	27.50
		M3/hr	0.0		54.0	66.0	72.0	78.0	84.0	93.0	99.0		
		Lpm	0		900	1100	1200	1300	1400	1550	1650		
1	NM6P7M 50/2	7.5	10	2	HEAD IN METER	37	34	32	30	28	26	24	22
2	NM6P7M 50/3	11	15	3		56	51	48	45	42	39	36	33
3	NM6P7M 50/4	15	20	4		74	68	64	60	56	52	48	44
4	NM6P7M 50/5	18.5	25	5		93	85	80	75	70	65	60	55
5	NM6P7M 50/6	22	30	6		111	102	96	90	84	78	72	66

NM6P7M - 60				MIXED FLOW							Out Let Size :100 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	297.2	323.6	343.4	369.8	396.3	422.7	449.1
					Lps	0.00	18.75	20.42	21.67	23.33	25.00	26.67	28.33
		M3/hr	0.0		67.5	73.5	78.0	84.0	90.0	96.0	102.0		
		Lpm	0		1125	1225	1300	1400	1500	1600	1700		
1	NM6P7M 60/2	9.3	12.5	2	HEAD IN METER	38	34	32	30	28	26	24	22
2	NM6P7M 60/3	15	20	3		57	51	48	45	42	39	36	33
3	NM6P7M 60/4	18.5	25	4		76	68	64	60	56	52	48	44
4	NM6P7M 60/5	22	30	5		95	85	80	75	70	65	60	55

Niagara Janta Model Submersible Pump Set

8"

Performance Table & Price list

Suitable for 200mm Bore well and above

Approximate Performance Chart at 2900 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
 Maximim O.D. : 193mm

NM6P8M - 30				MIXED FLOW								Out Let Size :100 MM			
Sr. No.	Pump Type	Motor Rating		Stage	Capacity										
					Gpm	0.0	92.5	126.8	163.8	198.1	237.8	277.4	317.0		
					Lps	0.00	5.83	8.00	10.33	12.50	15.00	17.50	20.00		
		M3/hr	0.0		21.0	28.8	37.2	45.0	54.0	63.0	72.0				
		Lpm	0		350	480	620	750	900	1050	1200				
1	NM6P8M 30/2	4.5	6	2	HEAD IN METER	38	34	32	30	28	26	23	20		
2	NM6P8M 30/3	5.5	10	3		56	50	48	45	42	38	35	30		
3	NM6P8M 30/4	9.3	12.5	4		75	67	64	60	58	51	46	40		
4	NM6P8M 30/5	11	15	5		94	84	80	75	70	64	58	50		

NM6P8M - 40		MIXED FLOW								Out Let Size :100 MM			
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	198.1	211.3	224.5	251.0	277.4	310.4	336.8
					Lps	0.00	12.50	13.33	14.17	15.83	17.50	19.58	21.25
		M3/hr	0.0		45.0	48.0	51.0	57.0	63.0	70.5	76.5		
		Lpm	0		750	800	850	950	1050	1175	1275		
1	NM6P8M 40/2	5.5	7.5	2	HEAD IN METER	38	33	30	29	27	23	20	17
2	NM6P8M 40/3	9.3	12.5	3		57	50	45	44	41	35	30	26
3	NM6P8M 40/4	11	15	4		76	66	60	58	54	46	40	34
4	NM6P8M 40/5	15	20	5		95	83	75	73	68	58	50	43
5	NM6P8M 40/6	18.5	25	6		114	99	90	87	81	69	60	51
6	NM6P8M 40/7	22	30	7		133	116	105	102	95	81	70	60

NM6P8M - 50				MIXED FLOW							Out Let Size :100 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	211.3	237.8	270.8	310.4	330.2	356.6	389.7
					Lps	0.00	13.33	15.00	17.08	19.58	20.83	22.50	24.58
		M3/hr	0.0		48.0	54.0	61.5	70.5	75.0	81.0	88.5		
		kW	HP		Lpm	0	800	900	1025	1175	1250	1350	1475
1	NM6P8M 50/2	7.5	10	2	HEAD IN METER	41	36	33	30	27	24	22	20
2	NM6P8M 50/3	11	15	3		62	54	50	45	41	36	32	29
3	NM6P8M 50/4	15	20	4		82	72	66	60	54	49	43	39
4	NM6P8M 50/5	18.5	25	5		103	90	83	75	68	60	54	49
5	NM6P8M 50/6	22	30	6		123	108	99	90	81	72	65	59

Niagara Janta Model Submersible Pump Set

8"

Performance Table & Price list

Suitable for 200mm Bore well and above

Approximate Performance Chart at 2900 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
Maximim O.D. : 193mm

NM6P8M - 60				MIXED FLOW							Out Let Size :100 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	284.0	253.0	264.0	297.0	324.5	341.0	363.0
		Lps	0.00		17.92	19.17	20.00	22.50	24.58	25.83	27.50		
		M3/hr	0.0		64.5	69.0	72.0	81.0	88.5	93.0	99.0		
		Lpm	0		1075	1150	1200	1350	1475	1550	1650		
1	NM6P8M 60/2	9.3	12.5	2	HEAD IN METER	43	38	34	30	27	24	21	19
2	NM6P8M 60/3	13	17.5	3		65	54	51	45	41	36	32	29
3	NM6P8M 60/4	18.5	25	4		86	72	68	60	54	48	42	38
4	NM6P8M 60/5	22	30	5		108	90	85	75	68	60	53	48

NM6P8M - 70				MIXED FLOW							Out Let Size :100 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	158.5	274.7	323.6	402.9	449.1	554.8	620.8
					Lps	0.00	10.00	17.33	20.42	25.42	28.33	35.00	39.17
		M3/hr	0.0		36.0	62.4	73.5	91.5	102.0	126.0	141.0		
		Lpm	0		600	1040	1225	1525	1700	2100	2350		
1	NM6P8M 70/2	11	15	2	HEAD IN METER	45	40	36	34	30	28	18	5
2	NM6P8M 70/3	15	20	3		68	60	54	51	45	41	26	8
3	NM6P8M 70/4	22	30	4		90	80	72	68	60	55	35	10

NM6P8M - 80				MIXED FLOW							Out Let Size :125 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	200.8	310.4	442.5	501.9	528.3	607.6	
					Lps	0.00	12.67	19.58	27.92	31.67	33.33	38.33	
		M3/hr	0.0		45.6	70.5	100.5	114.0	120.0	138.0			
		Lpm	0		760	1175	1675	1900	2000	2300			
1	NM6P8M 80/2	13	17.5	2	HEAD IN METER	47	40	36	29	25	22	7	
2	NM6P8M 80/3	18.5	25	3		70	60	54	44	37	33	10	
3	NM6P8M 80/4	22	30	4		93	80	72	59	49	44	13	

NM6P8M - 100				MIXED FLOW							Out Let Size :125 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	264.2	383.1	429.3	462.3	501.9	554.8	607.6
					Lps	0.06	16.67	24.17	27.08	29.17	31.67	35.00	38.33
		M3/hr	0.6		60.0	87.0	97.5	105.0	114.0	126.0	138.0		
		Lpm	1		1000	1450	1625	1750	1900	2100	2300		
1	NM6P8M 100/1	7.5	10	1	HEAD IN METER	28	23	20	19	18	15	13	3
2	NM6P8M 100/2	15	20	2		55	45	40	38	35	30	25	5
3	NM6P8M 100/3	22	30	3		83	68	60	56	53	45	38	8

V8 SUBMERSIBLE PUMP SET

Niagara 200MM Submersible Pump Sets are specially designed with the use of latest manufacturing techniques. Years of experience, superior design, and better manufacturing techniques have resulted in the development of this range of pumpsets, which are efficient and reliable in operation. strict quality assurance standards during the total process assure trouble-free and reliable operation requiring minimum maintenance.



○ SPECIAL FEATURES OF MOTOR

- Motorsuitable forwidevoltage 250/415Vfor3Ph.
- 8" Water Lubricated Motors are rewindable.
- Winding wire polypropylene with insulation Class-B.
- Upper & Lower brackets and Motor base are made in cast iron and also available in SS 410 on request.
- Stamping material made in cold-rolled Ele. Grade.
- Stator shell is made of SS 304.
- A dynamically balanced rotor ensures smooth running.
- Solid copper bars inserted into our one-piece billet rotor offer greater rigidity.
- Fully Stainless Steel AISI 420 Grade rotor shaft - rust preventive and longer life.
- Lip seal and sand guard to prevent ingress of impurities into the motor.
- Specially designed carbon/Teflon SS-420 Fix Segment thrust bearing set for more life.
- Mounting is vertical / horizontal.
- Motorcable length: 3m/3core.

○ SPECIAL FEATURES OF PUMP

- Suction, stage casing, and discharge outlet in Cast Iron, and also available in Stainless Steel on request.
- Impeller in core shot sand casting SS- 410 for radial and mixed flow.
- Stainless Steel Sleeve with hard chrome increases the wear resistance of this pump against sand.
- Pump shaft in SS - 410.
- Bush Material made in LTB-4 & Nitrile Rubber bush.
- Additional bushes are fitted depending on the number of stages for radial flow & mixed flow pump.
- Non return valve (NRV) of SS.
- Cable guard and strainer in Stainless Steel.
- Complete Stainless Steel pump available on request.

○ MORE FEATURES

- Easy to install and low running cost.
- Superior material of construction, design, high quality, and state of the art manufacturing process ensure minimum maintenance.
- Easy assembling and dismantling.
- High pumping efficiency for reduced running costs.
- Energy efficient radial and mixed flow models.
- Improved hydraulic design ensures better efficiency.
- Design to start at low voltage and withstand wide voltage fluctuations.
- Noiseless Operations. Maintenance free water lubricated bushes.
- Replaceable wearing parts.

○ APPLICATIONS

- Irrigation.
- Drip/Sprinkler Irrigation scheme.
- Domestic water supply.
- Housing complexes.
- Industrial water supply schemes.

○ STANDARD SPECIFICATIONS

- Range: - 5.5Kw to 63 kw (7.5 to 85HP).
- Version :- A.C. Three Phase, 250-415 V.- 50 Hz.
- Speed :- 2900 RPM.
- Nominal Outlet Size :- 75 MM, 100 MM & 125 MM.
- Head Range :- 8 to 270 Mtr.
- Flow Rate upto :- 7 to 48 LPS.
- Maximum Liquid Temperature :- 50° C.
- Allowable voltage variation :- +6%/-10%.
- Rotation :- Clockwise when viewed from motor end.

Niagara V8 Submersible Pump Set

8"

Performance Table & Price list

Suitable for 200mm Bore well and above

Approximate Performance Chart at 2900 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
Maximim O.D. : 193mm

N8R - 20				RADIAL FLOW										Out Let Size : 75 MM	
Sr. No.	Pump Type	Motor Rating		Stage	Capacity										
					Gpm	0.0	44.9	66.0	79.3	92.5	105.7	118.9	132.1	198.1	
					Lps	0.00	2.83	4.17	5.00	5.83	6.67	7.50	8.33	12.50	
		M3/hr	0.0		10.2	15.0	18.0	21.0	24.0	27.0	30.0	45.0			
		k W	HP		Lpm	0	170	250	300	350	400	450	500	750	
1	N8R 20/5	7.5	10	5	HEAD IN METER	98	95	90	85	80	75	70	65	5	
2	N8R 20/6	9.3	12.5	6		118	114	108	102	96	90	84	78	6	
3	N8R 20/7	11	15	7		137	133	126	119	112	105	98	91	7	
4	N8R 20/8	11	15	8		157	152	144	136	128	120	112	104	8	
5	N8R 20/9	15	20	9		176	171	162	153	144	135	126	117	9	
6	N8R 20/10	15	20	10		196	190	180	170	160	150	140	130	10	
7	N8R 20/11	17	22.5	11		216	209	198	187	176	165	154	143	11	
8	N8R 20/12	18.5	25	12		235	228	216	204	192	180	168	156	12	
9	N8R 20/13	18.5	25	13		255	247	234	221	208	195	182	169	13	
10	N8R 20/14	22	30	14		274	266	252	238	224	210	196	182	14	
11	N8R 20/15	22	30	15		294	285	270	255	240	225	210	195	15	

N8R - 25				RADIAL FLOW								Out Let Size : 75 MM			
Sr. No.	Pump Type	Motor Rating		Stage	Capacity										
					Gpm	0.0	92.5	105.7	118.9	125.5	132.1	138.7	151.9	165.1	
					Lps	0.00	5.83	6.67	7.50	7.92	8.33	8.75	9.58	10.42	
		M3/hr	0.0		21.0	24.0	27.0	28.5	30.0	31.5	34.5	37.5			
		k W	HP		Lpm	0	350	400	450	475	500	525	575	625	
1	N8R 25/4	7.5	10	4	HEAD IN METER	82	72	68	64	60	56	52	48	40	
2	N8R 25/5	9.3	12.5	5		103	90	85	80	75	70	65	60	50	
3	N8R 25/6	11	15	6		124	108	102	96	90	84	78	72	60	
4	N8R 25/7	15	20	7		144	126	119	112	105	98	91	84	70	
5	N8R 25/8	15	20	8		165	144	136	128	120	112	104	96	80	
6	N8R 25/9	18.5	25	9		185	162	153	144	135	126	117	108	90	
7	N8R 25/10	18.5	25	10		206	180	170	160	150	140	130	120	100	
8	N8R 25/11	20	27	11		227	198	187	176	165	154	143	132	110	
9	N8R 25/12	22	30	12		247	216	204	192	180	168	156	144	120	
10	N8R 25/14	26	35	14		277	252	238	224	210	196	182	168	140	

Niagara V8 Submersible Pump Set

8"

Performance Table & Price list

Suitable for 200mm Bore well and above

Approximate Performance Chart at 2900 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
Maximim O.D. : 193mm

N8R - 30				RADIAL FLOW								Out Let Size : 75 MM			
Sr. No.	Pump Type	Motor Rating		Stage	Capacity										
					Gpm	0.0	95.1	111.0	126.8	145.3	158.5	179.6	190.2	206.1	
					Lps	0.00	6.00	7.00	8.00	9.17	10.00	11.33	12.00	13.00	
		M3/hr	0.0		21.6	25.2	28.8	33.0	36.0	40.8	43.2	46.8			
		k W	HP		Lpm	0	360	420	480	550	600	680	720	780	
1	N8R 30/3	7.5	10	3	HEAD IN METER	61	55	52	49	45	41	35	29	23	
2	N8R 30/4	9.3	12.5	4		81	73	70	65	60	54	47	39	31	
3	N8R 30/5	11	15	5		102	91	87	81	75	68	59	49	39	
4	N8R 30/6	15	20	6		122	110	104	98	90	81	71	59	47	
5	N8R 30/7	15	20	7		142	128	122	114	105	95	82	68	54	
6	N8R 30/8	18.5	25	8		162	146	139	130	120	108	94	78	62	
7	N8R 30/9	22	30	9		172	156	149	140	130	118	104	88	72	
8	N8R 30/10	22	30	10		203	183	174	163	150	135	118	98	78	
9	N8R 30/12	26	35	12		244	219	209	195	180	165	141	117	93	
10	N8R 30/13	30	40	13		264	239	214	200	190	175	140	130	120	
11	N8R 30/14	30	40	14		284	256	243	228	210	189	165	155	140	

N8R - 40				RADIAL FLOW								Out Let Size : 75 MM			
Sr. No.	Pump Type	Motor Rating		Stage	Capacity										
					Gpm	0.0	79.3	118.9	145.3	171.7	198.1	211.3	237.8	251.0	
					Lps	0.00	5.00	7.50	9.17	10.83	12.50	13.33	15.00	15.83	
		M3/hr	0.0		18.0	27.0	33.0	39.0	45.0	48.0	54.0	57.0			
		k W	HP		Lpm	0	300	450	550	650	750	800	900	950	
1	N8R 40/3	9.3	12.5	3	HEAD IN METER	62	58	55	53	50	45	41	35	29	
2	N8R 40/4	11	15	4		82	78	74	70	66	60	54	47	39	
3	N8R 40/5	15	20	5		103	98	92	88	83	75	68	59	49	
4	N8R 40/6	18.5	25	6		124	118	111	106	100	90	81	71	59	
5	N8R 40/8	22	30	8		165	158	148	141	133	120	108	94	78	
6	N8R 40/9	26	35	9		185	176	166	158	149	135	122	106	88	
7	N8R 40/10	30	40	10		206	195	185	176	166	150	135	118	98	
8	N8R 40/11	33.6	45	11		230	218	206	198	186	168	152	132	110	
9	N8R 40/12	33.6	45	12		247	231	221	211	199	180	162	141	117	
10	N8R 40/12	37	50	12		251	235	225	215	202	184	165	145	120	
11	N8R 40/13	37	50	13		268	255	240	229	216	195	176	153	127	
12	N8R 40/14	45	60	14		288	272	258	246	232	210	189	165	137	
13	N8R 40/15	45	60	15		309	295	277	264	249	225	203	176	146	

Niagara V8 Submersible Pump Set

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Performance Table & Price list

Suitable for 200mm Bore well and above

Approximate Performance Chart at 2900 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
 Maximim O.D. : 193mm

N8R - 50				RADIAL FLOW								Out Let Size : 75 MM			
Sr. No.	Pump Type	Motor Rating		Stage	Capacity										
					Gpm	0.0	171.7	198.1	217.9	237.8	257.6	277.4	297.2	317.0	
					Lps	0.00	10.83	12.50	13.75	15.00	16.25	17.50	18.75	20.00	
		M3/hr	0.0		39.0	45.0	49.5	54.0	58.5	63.0	67.5	72.0			
		Lpm	0		650	750	825	900	975	1050	1125	1200			
1	N8R 50/2	7.5	10	2	HEAD IN METER	42	40	37	35	33	30	27	24	20	
2	N8R 50/3	11	15	3		62	58	55	52	49	45	41	35	29	
3	N8R 50/4	15	20	4		83	78	73	70	65	60	54	47	39	
4	N8R 50/5	18.5	25	5		104	98	91	87	81	75	68	59	49	
5	N8R 50/6	22	30	6		125	112	110	104	98	90	81	71	59	
6	N8R 50/7	26	35	7		146	138	128	122	114	105	95	82	68	
7	N8R 50/8	30	40	8		166	156	146	139	130	120	108	94	78	
8	N8R 50/10	37	50	10		208	195	183	174	163	150	135	118	98	
9	N8R 50/11	37	50	11		229	211	201	191	179	165	149	129	107	
10	N8R 50/12	45	60	12		250	229	219	209	195	180	162	141	117	
11	N8R 50/14	55	75	14		291	285	256	243	228	210	189	165	137	
12	N8R 50/15	55	75	15		312	292	274	261	244	225	203	176	146	

N8R - 60				RADIAL FLOW								Out Let Size : 75 MM			
Sr. No.	Pump Type	Motor Rating		Stage	Capacity										
					Gpm	0.0	198.1	217.9	251.0	277.4	303.8	336.8	356.6	376.4	
					Lps	0.00	12.50	13.75	15.83	17.50	19.17	21.25	22.50	23.75	
		M3/hr	0.0		45.0	49.5	57.0	63.0	69.0	76.5	81.0	85.5			
		Lpm	0		750	825	950	1050	1150	1275	1350	1425			
1	N8R 60/2	9.3	12.5	2	HEAD IN METER	42	40	38	36	34	30	27	24	20	
2	N8R 60/4	18.5	25	4		83	79	75	71	67	60	54	47	39	
3	N8R 60/5	22	30	5		104	99	94	89	84	75	68	59	49	
4	N8R 60/6	26	35	6		125	119	113	107	101	90	81	71	59	
5	N8R 60/7	30	40	7		146	138	131	124	118	105	95	82	68	
6	N8R 60/8	37	50	8		166	158	150	142	134	120	108	94	78	
7	N8R 60/9	37	50	9		187	178	169	160	151	135	122	106	88	
8	N8R 60/10	45	60	10		208	198	188	178	168	150	135	118	98	
9	N8R 60/11	45	60	11		229	217	206	195	185	165	149	129	107	
10	N8R 60/12	55	75	12		250	237	225	213	202	180	162	141	117	

Niagara V8 Submersible Pump Set

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Performance Table & Price list

Suitable for 200mm Bore well and above

Approximate Performance Chart at 2900 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
Maximim O.D. : 193mm

N8M - 30				MIXED FLOW - 333							Out Let Size : 75 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	105.7	138.7	158.5	198.1	217.9	244.4	264.2
		Lps	0.00		6.67	8.75	10.00	12.50	13.75	15.42	16.67		
		M3/hr	0.0		24.0	31.5	36.0	45.0	49.5	55.5	60.0		
		Lpm	0		400	525	600	750	825	925	1000		
1	N8M 30/3	7.5	10	3	HEAD IN METER	62	47	45	42	39	38	35	33
2	N8M 30/4	9.3	12.5	4		82	63	60	56	52	50	47	44
3	N8M 30/5	11	15	5		103	79	75	70	65	63	59	55
4	N8M 30/6	15	20	6		123	95	90	84	78	75	71	66
5	N8M 30/7	15	20	7		144	110	105	98	91	88	82	77
6	N8M 30/8	18.5	25	8		164	126	120	112	104	100	94	88
7	N8M 30/9	22	30	9		185	142	135	126	117	113	106	99
8	N8M 30/10	22	30	10		205	158	150	140	130	125	118	110
9	N8M 30/11	26	35	11		226	173	165	154	143	138	129	121
10	N8M 30/12	26	35	12		246	189	180	168	156	150	141	132
11	N8M 30/13	30	40	13		250	192	184	172	160	152	145	135
12	N8M 30/14	30	40	14		287	221	210	196	182	175	165	154
13	N8M 30/14	33.6	45	14		291	225	214	200	185	179	168	157
14	N8M 30/15	33.6	45	15		308	236	225	210	195	188	176	165
15	N8M 30/16	37	50	16		328	252	240	224	208	200	188	176

N8M - 40				MIXED FLOW - 333							Out Let Size : 75 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	165.1	184.9	211.3	244.4	270.8	303.8	330.2
		Lps	0.00		10.42	11.67	13.33	15.42	17.08	19.17	20.83		
		M3/hr	0.0		37.5	42.0	48.0	55.5	61.5	69.0	75.0		
		Lpm	0		625	700	800	925	1025	1150	1250		
1	N8M 40/2	5.5	7.5	2	HEAD IN METER	42	34	32	30	28	26	24	22
2	N8M 40/3	9.3	12.5	3		63	50	48	45	42	38	35	33
3	N8M 40/4	11	15	4		84	67	64	60	58	51	47	44
4	N8M 40/5	15	20	5		105	84	80	75	70	64	59	55
5	N8M 40/6	18.5	25	6		126	101	96	90	84	77	71	66
6	N8M 40/7	18.5	25	7		147	117	112	105	98	89	82	77
7	N8M 40/7	22	30	7		150	120	115	109	102	92	85	80
8	N8M 40/8	22	30	8		168	134	128	120	112	102	94	88
9	N8M 40/9	26	35	9		189	151	144	135	126	115	106	99
10	N8M 40/10	26	35	10		210	168	160	150	140	128	118	110
11	N8M 40/10	30	40	10		214	172	164	154	144	132	122	114
12	N8M 40/11	30	40	11		231	184	176	165	154	140	129	121
13	N8M 40/11	33.6	45	11		235	188	180	168	158	144	133	125
14	N8M 40/12	33.6	45	12		252	201	192	180	168	153	141	132
15	N8M 40/12	37	50	12		256	204	196	184	172	156	145	136
16	N8M 40/13	37	50	13		273	218	208	195	182	166	153	143
17	N8M 40/14	45	60	14		294	235	224	210	196	179	165	154
18	N8M 40/15	45	60	15		315	251	240	225	210	191	176	165

Niagara V8 Submersible Pump Set

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Performance Table & Price list

Suitable for 200mm Bore well and above

Approximate Performance Chart at 2900 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
 Maximim O.D. : 193mm

N8M - 50				MIXED FLOW - 333							Out Let Size : 100 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	184.9	224.5	264.2	303.8	323.6	356.6	389.7
					Lps	0.00	11.67	14.17	16.67	19.17	20.42	22.50	24.58
		M3/hr	0.0		42.0	51.0	60.0	69.0	73.5	81.0	88.5		
		Lpm	0		700	850	1000	1150	1225	1350	1475		
1	N8M 50/2	7.5	10	2	HEAD IN METER	43	34	32	30	28	26	24	22
2	N8M 50/3	11	15	3		65	50	48	45	42	38	35	33
3	N8M 50/4	15	20	4		86	67	64	60	56	51	47	44
4	N8M 50/5	18.5	25	5		108	84	80	75	70	64	59	55
5	N8M 50/6	22	30	6		129	101	96	90	84	77	71	66
6	N8M 50/7	26	35	7		151	117	112	105	98	89	82	77
7	N8M 50/8	30	40	8		172	134	128	120	112	102	94	88
8	N8M 50/9	33.6	45	9		194	151	144	135	126	115	106	99
9	N8M 50/10	33.6	45	10		215	168	160	150	140	128	118	110
10	N8M 50/10	37	50	10		219	172	164	154	144	132	122	114
11	N8M 50/11	37	50	11		237	184	176	165	154	140	129	121
12	N8M 50/12	45	60	12		258	201	192	180	168	153	141	132
13	N8M 50/15	55	75	15		323	251	240	225	210	191	176	165

N8M - 60				MIXED FLOW - 333							Out Let Size : 100 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	244.4	277.4	323.6	356.6	377.8	402.9	422.7
					Lps	0.00	15.42	17.50	20.42	22.50	23.83	25.42	26.67
		M3/hr	0.0		55.5	63.0	73.5	81.0	85.8	91.5	96.0		
		Lpm	0		925	1050	1225	1350	1430	1525	1600		
1	N8M 60/2	9.3	12.5	2	HEAD IN METER	44	34	32	30	28	26	24	22
2	N8M 60/3	15	20	3		66	50	48	45	42	38	35	33
3	N8M 60/4	18.5	25	4		88	67	64	60	56	51	47	44
4	N8M 60/5	22	30	5		110	84	80	75	70	64	59	55
5	N8M 60/6	26	35	6		132	101	96	90	84	77	71	66
6	N8M 60/7	30	40	7		154	117	112	105	98	89	82	77
7	N8M 60/8	33.6	45	8		176	134	128	120	112	102	94	88
8	N8M 60/8	37	50	8		180	138	132	124	116	108	98	92
9	N8M 60/10	45	60	10		220	168	160	150	140	128	118	110
10	N8M 60/11	45	60	11		245	220	168	160	150	140	128	118
11	N8M 60/12	55	75	12		264	201	192	180	168	153	141	132
12	N8M 60/14	63	85	14		308	235	224	210	196	179	165	154

Niagara V8 Submersible Pump Set

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Performance Table & Price list

Suitable for 200mm Bore well and above

Approximate Performance Chart at 2900 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
Maximim O.D. : 193mm

N8M - 30		MIXED FLOW - 384									Out Let Size : 100 MM		
Sr. No.	Pump Type	Motor Rating		Stage	Capacity								
					Gpm	0.0	142.7	179.6	198.1	211.3	244.4	290.6	317.0
					Lps	0.00	9.00	11.33	12.50	13.33	15.42	18.33	20.00
		M3/hr	0.0		32.4	40.8	45.0	48.0	55.5	66.0	72.0		
		Lpm	0		540	680	750	800	925	1100	1200		
1	N8M 30/3	7.5	10	3	HEAD IN METER	53	47	44	42	39	36	33	30
2	N8M 30/4	9.3	12.5	4		70	62	59	55	52	48	44	40
3	N8M 30/5	11	15	5		88	78	74	69	65	60	55	50
4	N8M 30/6	15	20	6		105	93	88	83	78	72	66	60
5	N8M 30/7	15	20	7		124	109	103	97	91	87	77	70
6	N8M 30/8	18.5	25	8		145	125	118	111	105	98	88	80
7	N8M 30/10	22	30	10		155	132	125	118	112	107	99	90
8	N8M 30/11	26	35	11		170	148	140	132	125	118	110	100
9	N8M 30/12	26	35	12		190	160	152	142	135	122	112	110
10	N8M 30/13	30	40	13		250	220	202	184	166	148	135	120

N8M - 40				MIXED FLOW - 384							Out Let Size : 100 MM			
Sr. No.	Pump	Type	Motor Rating		Stage	Capacity								
						Gpm	0.0	171.7	200.8	216.6	237.8	264.2	311.7	338.1
						Lps	0.00	10.83	12.67	13.67	15.00	16.67	19.67	21.33
			M3/hr	0.0		39.0	45.6	49.2	54.0	60.0	70.8	76.8		
			Lpm	0		650	760	820	900	1000	1180	1280		
1	N8M 40/2	5.5	7.5	2	HEAD IN METER	39	34	32	30	28	25	22	20	
2	N8M 40/3	9.3	12.5	3		56	51	48	45	42	38	33	30	
3	N8M 40/4	11	15	4		74	68	64	60	56	51	44	40	
4	N8M 40/5	15	20	5		93	85	80	75	70	63	55	50	
5	N8M 40/6	18.5	25	6		111	105	99	90	84	76	66	60	
6	N8M 40/7	18.5	25	7		130	122	116	105	98	89	79	70	
7	N8M 40/8	22	30	8		148	140	132	120	112	100	88	80	
8	N8M 40/9	26	35	9		167	158	148	135	126	113	99	90	
9	N8M 40/10	30	40	10		185	175	165	150	140	125	110	100	
10	N8M 40/12	37	50	12		222	210	198	180	168	150	132	120	
11	N8M 40/13	37	50	13		241	227	215	195	182	163	143	130	
12	N8M 40/14	45	60	14		259	245	231	210	196	175	154	140	
13	N8M 40/15	45	60	15		278	263	247	225	210	188	165	150	
14	N8M 40/16	46.5	62	16		296	280	264	240	224	200	176	160	
15	N8M 40/17	55	75	17		315	298	280	255	238	212	187	170	
16	N8M 40/18	55	75	18		333	315	297	270	252	225	198	180	
17	N8M 40/19	55	75	19		352	332	313	285	266	237	209	190	
18	N8M 40/20	63	85	20		370	350	330	300	280	250	220	200	

Niagara V8 Submersible Pump Set

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Performance Table & Price list

Suitable for 200mm Bore well and above

Approximate Performance Chart at 2900 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
Maximim O.D. : 193mm

N8M - 50				MIXED FLOW - 384								Out Let Size : 100 MM			
Sr. No.	Pump	Type	Motor Rating		Stage	Capacity									
						Gpm	0.0	216.6	248.3	285.3	311.7	338.1	375.1	416.1	
						Lps	0.00	13.67	15.67	18.00	19.67	21.33	23.67	26.25	
			M3/hr	0.0		49.2	56.4	64.8	70.8	76.8	85.2	94.5			
			Lpm	0		820	940	1080	1180	1280	1420	1575			
1	N8M 50/2	7.5	10	2	HEAD IN METER	41	36	33	30	28	26	23	21		
2	N8M 50/3	11	15	3		61	53	50	45	42	38	35	31		
3	N8M 50/4	15	20	4		81	71	66	60	56	51	46	41		
4	N8M 50/5	18.5	25	5		102	89	83	75	70	64	58	51		
5	N8M 50/6	22	30	6		122	107	99	90	84	77	69	62		
6	N8M 50/7	26	35	7		142	125	116	105	98	89	81	72		
7	N8M 50/8	30	40	8		162	142	132	120	112	102	92	82		
8	N8M 50/9	33.6	45	9		183	160	149	135	126	115	104	92		
9	N8M 50/10	37	50	10		203	178	165	150	140	128	115	103		
10	N8M 50/12	45	60	12		244	214	198	180	168	153	138	123		
11	N8M 50/15	55	75	15		305	267	248	225	210	191	173	154		

N8M - 60				MIXED FLOW - 384								Out Let Size : 100 MM			
Sr. No.	Pump	Type	Motor Rating		Stage	Capacity									
						Gpm	0.0	224.5	264.2	298.5	338.1	376.4	416.1	455.7	
						Lps	0.00	14.17	16.67	18.83	21.33	23.75	26.25	28.75	
			M3/hr	0.0		51.0	60.0	67.8	76.8	85.5	94.5	103.5			
			Lpm	0		850	1000	1130	1280	1425	1575	1725			
1	N8M 60/2		9.3	12.5	2	HEAD IN METER	42	36	34	32	30	28	25	23	
2	N8M 60/3		15	20	3		62	54	51	48	45	41	38	34	
3	N8M 60/4		18.5	25	4		83	72	68	64	60	55	50	45	
4	N8M 60/5		22	30	5		104	90	85	80	75	69	63	56	
5	N8M 60/6		26	35	6		125	108	102	96	90	83	75	68	
6	N8M 60/7		30	40	7		145	126	119	112	105	96	88	79	
7	N8M 60/8		33.6	45	8		166	144	136	128	120	110	100	90	
8	N8M 60/8		37	50	8		170	148	140	132	124	114	104	94	
9	N8M 60/10		45	60	10		208	180	170	160	150	138	125	113	
10	N8M 60/11		45	60	11		228	198	187	176	165	151	138	124	
11	N8M 60/12		55	75	12		249	216	204	192	180	165	150	135	
12	N8M 60/14		63	85	14		291	252	238	224	210	193	175	158	

Niagara V8 Submersible Pump Set

8"

Performance Table & Price list

Suitable for 200mm Bore well and above

Approximate Performance Chart at 2900 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
 Maximim O.D. : 193mm

N8M - 70				MIXED FLOW - 384								Out Let Size : 100 MM		
Sr. No.	Pump	Type	Motor Rating		Stage	Capacity								
						Gpm	0.0	310.4	338.1	364.6	396.3	409.5	475.5	508.5
						Lps	0.00	19.58	21.33	23.00	25.00	25.83	30.00	32.08
			M3/hr	0.0		70.5	76.8	82.8	90.0	93.0	108.0	115.5		
			Lpm	0		1175	1280	1380	1500	1550	1800	1925		
1	N8M 70/2		11	15	2	HEAD IN METER	42	36	34	32	30	27	25	22
2	N8M 70/3		15	20	3		63	54	51	48	45	41	38	33
3	N8M 70/4		22	30	4		84	72	68	64	60	55	50	44
4	N8M 70/5		26	35	5		105	90	85	80	75	68	63	55
5	N8M 70/7		37	50	7		148	126	119	112	105	96	88	78
6	N8M 70/9		45	60	9		190	162	153	144	135	124	113	100
7	N8M 70/10		55	75	10		211	180	170	160	150	138	125	111
8	N8M 70/11		63	85	11		232	198	187	176	165	151	138	122
9	N8M 70/12		63	85	12		253	216	204	192	180	165	150	133

N8M - 80				MIXED FLOW - 384								Out Let Size : 125 MM		
Sr. No.	Pump	Type	Motor Rating		Stage	Capacity								
						Gpm	0.0	343.4	376.4	422.7	462.3	501.9	538.9	570.6
						Lps	0.00	21.67	23.75	26.67	29.17	31.67	34.00	36.00
			M3/hr	0.0		78.0	85.5	96.0	105.0	114.0	122.4	129.6		
			Lpm	0		1300	1425	1600	1750	1900	2040	2160		
1	N8M 80/2	11	15	2	HEAD IN METER	45	36	34	33	30	28	25	23	
2	N8M 80/3	18.5	25	3		67	55	52	50	45	41	38	34	
3	N8M 80/4	22	30	4		89	73	69	66	60	55	50	45	
4	N8M 80/5	30	40	5		112	91	86	83	75	69	63	56	
5	N8M 80/6	37	50	6		134	109	103	99	90	83	75	68	
6	N8M 80/8	45	60	8		178	145	138	132	120	110	100	90	
7	N8M 80/9	55	75	9		201	164	155	149	135	124	113	101	
8	N8M 80/10	63	85	10		223	182	172	165	150	138	125	113	
9	N8M 80/11	63	85	11		245	200	189	182	165	151	138	124	

Niagara V8 Submersible Pump Set

8"

Performance Table & Price list

Suitable for 200mm Bore well and above

Approximate Performance Chart at 2900 RPM, 380-415 Volts, Three Phase 50 Hz, A.C. Supply
 Maximim O.D. : 193mm

N8M - 100				MIXED FLOW - 384							Out Let Size : 125 MM			
Sr. No.	Pump	Type	Motor Rating		Stage	Capacity								
						Gpm	0.0	435.9	475.5	508.5	541.6	561.4	581.2	601.0
						Lps	0.00	27.50	30.00	32.08	34.17	35.42	36.67	37.92
			M3/hr	0.0		99.0	108.0	115.5	123.0	127.5	132.0	136.5		
			Lpm	0		1650	1800	1925	2050	2125	2200	2275		
1	N8M 100/1		7.5	10	1	HEAD IN METER	24	19	18	17	15	14	13	11
2	N8M 100/2		15	20	2		48	38	36	33	30	28	25	23
3	N8M 100/3		22	30	3		72	56	54	50	45	41	38	34
4	N8M 100/4		30	40	4		96	75	72	66	60	55	50	45
5	N8M 100/5		37	50	5		120	94	90	83	75	69	63	56
6	N8M 100/6		45	60	6		144	113	108	99	90	83	75	68
7	N8M 100/7		55	75	7		168	132	126	116	105	96	88	79
8	N8M 100/8		63	85	8		192	150	144	132	120	110	100	90

N8M - 125				MIXED FLOW - 384							Out Let Size : 125 MM			
Sr. No.	Pump	Type	Motor Rating		Stage	Capacity								
						Gpm	0.0	475.5	541.6	594.4	634.0	713.3	752.9	792.5
						Lps	0.00	30.00	34.17	37.50	40.00	45.00	47.50	50.00
			M3/hr	0.0		108.0	123.0	135.0	144.0	162.0	171.0	180.0		
			Lpm	0		1800	2050	2250	2400	2700	2850	3000		
1	N8M 125/1		9.3	12.5	1	HEAD IN METER	26	21	19	18	16	14	12	10
2	N8M 125/2		18.5	25	2		52	41	39	35	32	28	23	20
3	N8M 125/3		26	35	3		77	62	58	53	48	42	35	30
4	N8M 125/3		30	40	3		77	62	58	53	48	42	35	30
5	N8M 125/4		37	50	4		103	83	77	71	64	56	47	40
6	N8M 125/5		45	60	5		129	103	97	88	80	70	58	50
7	N8M 125/6		55	75	6		155	124	116	106	96	84	70	60
8	N8M 125/7		63	85	7		181	145	135	124	112	98	82	70

N8M - 150				MIXED FLOW - 384							Out Let Size : 125 MM			
Sr. No.	Pump	Type	Motor Rating		Stage	Capacity								
						Gpm	0.0	495.3	561.4	620.8	700.1	752.9	805.7	840.1
						Lps	0.00	31.25	35.42	39.17	44.17	47.50	50.83	53.00
			M3/hr	0.0		112.5	127.5	141.0	159.0	171.0	183.0	190.8		
			Lpm	0		1875	2125	2350	2650	2850	3050	3180		
1	N8M 150/1	11	15	1	HEAD IN METER	27	22	21	20	18	16	13	11	
2	N8M 150/2	22	30	2		53	44	42	39	36	32	27	21	
3	N8M 150/3	33.6	45	3		80	66	62	59	54	47	40	32	
4	N8M 150/4	45	60	4		106	88	83	78	72	63	53	42	
5	N8M 150/5	55	75	5		133	110	104	98	90	79	67	53	
6	N8M 150/6	63	85	6		159	132	125	117	108	95	80	63	

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Thank you.

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