

Since 1985



BOREWELL SUBMERSIBLE PUMP (6")



SHREE
Niloskar Pumps
<http://www.niloskarpumps.com>

BOREWELL SUBMERSIBLE PUMPSET (6")

Salient Features

- ✓ Water lubricated motors are rewindable
- ✓ Compact and good ascetic looks
- ✓ Coupling dimensions as per NEMA
- ✓ Less Temperature rise
- ✓ Available in radial flow designs
- ✓ Trouble free - No maintenance
- ✓ Long life & high level of performance
- ✓ Low Noise

| MOTOR'S TECHNICAL SPECIFICATION

- 3 Phase - 2.2 kW - 37.5 kW, 380 - 415 V / 50 Hz
2.2 kW - 37.5 kW, 230 - 380 - 460 V / 60 Hz
- Max Water Temp - 35° C
- Max outer diameter (mm) - 144
- Max Starts per hour - 20 times
- Coolent - Clear Water



BOREWELL SUBMERSIBLE MOTOR (6")

| MOTOR's MATERIAL SPECIFICATION

- Motor Body - Stainless Steel
- Motor Shaft - SS 420
- Winding wire - Polywrapped
- Motor Stator - CRNO M45
- Upper / Lower bracket - CI with epoxy paint
Or SS 304

| MOTOR's PERFORMANCE CHART - @ 50Hz

MODEL NAME	HP	kW	Thrust F [N]	Un [V]	RPM	IN [A]	IA [A]	η (Eff.) [%] at % load			cosφ (PF) at % load			MAX START	MAX WATER TEMP.
								50	75	100	50	75	100		
NP-6-3.0	3.00	2.2	15500	380	2845	6.21	21.7	62	61	62	0.68	0.70	0.72	20	35°C
				400	2875	6.30	22.2	61	63	65	0.64	0.70	0.71	20	35°C
				415	2875	6.51	23.1	59	66	67	0.61	0.69	0.71	20	35°C
NP-6-5.5	5.50	4	15500	380	2915	10.39	47	71	74	77	0.60	0.71	0.77	20	35°C
				400	2935	10.61	50	69	73	78	0.54	0.66	0.74	20	35°C
				415	2935	10.90	52	66	72	77	0.50	0.60	0.70	20	35°C
NP-6-7.5	7.50	5.5	15500	380	2865	13.71	47	73	76	76	0.68	0.79	0.83	20	35°C
				400	2885	13.30	50	72	76	76	0.62	0.75	0.81	20	35°C
				415	2890	13.41	54	72	75	75	0.60	0.71	0.79	20	35°C
NP-6-10.0	10.0	7.5	15500	380	2870	18.29	58	77	78	78	0.70	0.80	0.83	20	35°C
				400	2890	17.70	63	76	78	78	0.66	0.75	0.81	20	35°C
				415	2890	17.70	64	73	74	77	0.62	0.74	0.81	20	35°C
NP-6-12.5	12.5	9.3	15500	380	2855	22.00	75	71	80	79	0.70	0.80	0.83	20	35°C
				400	2860	21.30	77	79	79	78	0.63	0.75	0.81	20	35°C
				415	2885	21.10	81	77	79	78	0.60	0.72	0.82	20	35°C
NP-6-15.0	15.0	11	15500	380	2865	25.79	93	77	80	78	0.71	0.80	0.84	20	35°C
				400	2880	25.21	97	77	80	80	0.66	0.75	0.83	20	35°C
				415	2890	25.10	101	75	78	80	0.61	0.73	0.81	20	35°C
NP-6-17.5	17.5	13	15500	380	2885	30.11	117	79	81	80	0.69	0.79	0.83	20	35°C
				400	2900	29.60	126	78	80	81	0.62	0.75	0.80	20	35°C
				415	2905	29.71	131	77	79	81	0.58	0.70	0.77	20	35°C
NP-6-20.0	20.0	15	15500	380	2895	33.91	140	80	82	81	0.72	0.82	0.85	20	35°C
				400	2895	33.10	147	80	81	81	0.66	0.78	0.84	20	35°C
				415	2900	33.00	155	78	80	81	0.61	0.74	0.82	20	35°C

6"



BOREWELL SUBMERSIBLE PUMP (6")

| MOTOR'S PERFORMANCE CHART - @ 50Hz

MODEL NAME	HP	kW	Thrust F [N]	Un [V]	RPM	IN [A]	IA [A]	η (Eff.) [%] at % load			cosφ (PF) at % load			MAX START	MAX WATER TEMP.
								50	75	100	50	75	100		
NP-6-25.0	25.0	18.5	15500	380	2870	42.31	171	80	82	81	0.68	0.79	0.84	20	35°C
				400	2880	42.00	182	77	80	81	0.61	0.73	0.81	20	35°C
				415	2890	42.49	188	76	80	80	0.58	0.71	0.78	20	35°C
NP-6-30.0	30.0	22	15500	380	2875	49.11	217	82	83	84	0.69	0.78	0.83	20	35°C
				400	2900	49.00	231	80	82	83	0.61	0.74	0.81	20	35°C
				415	2910	49.59	239	76	81	82	0.57	0.69	0.78	20	35°C
NP-6-35.0	35.0	26	15500	380	2890	57.49	267	82	84	83	0.69	0.79	0.85	20	35°C
				400	2905	56.72	283	81	82	83	0.60	0.74	0.84	20	35°C
				415	2910	57.30	295	77	83	83	0.56	0.70	0.81	20	35°C
NP-6-40.0	40.0	30	27500	380	2895	66.39	329	81	84	83	0.68	0.77	0.84	20	35°C
				400	2910	66.42	346	80	82	82	0.61	0.74	0.81	20	35°C
				415	2910	67.50	360	77	81	82	0.56	0.69	0.78	20	35°C
NP-6-50.0	50.0	37	27500	380	2890	82.00	406	82	83	83	0.68	0.79	0.83	20	35°C
				400	2910	81.92	432	81	82	83	0.60	0.73	0.81	20	35°C
				415	2910	83.91	449	78	80	82	0.56	0.67	0.77	20	35°C

| PUMP'S TECHNICAL SPECIFICATION

- Operating range:
Head Range - 5 mtr to 230 mtr
Flow rate - 300 lpm to 1500 lpm
Immersion - 1 mtr minimum
- Outlet (inch) - 2.5 / 3 / 4
- Pump & Motor Coupling - As per NEMA Standard

6"



BOREWELL SUBMERSIBLE PUMP (6")

PUMP'S PERFORMANCE CHART

Performance Data @ 2800 rpm | 380 - 415 V | Three Phase | 50 Hz | A.C Supply

6"

					MODEL - NP35/M100 MIXED FLOW						
					DISCHARGE IN LPM						
PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)	0	300	360	420	480	540	600
					HEAD IN METER						
NP35/M100/3	3	2.2	3	65	31	25	23	21	19	15	12
NP35/M100/5	5	3.7	5	65	52	42	39	35	31	25	20
NP35/M100/6	6	4.5	6	65	63	51	46	42	37	30	24
NP35/M100/8	7.5	5.5	8	65	84	68	62	56	50	40	32
NP35/M100/10	10	7.5	10	65	105	85	77	70	62	50	40
NP35/M100/12	12.5	9.3	12	65	126	102	93	84	75	60	48
NP35/M100/15	15	11	15	65	158	128	116	105	94	75	60
NP35/M100/17	17.5	13	17	65	179	145	132	119	106	85	68
NP35/M100/20	20	15	20	65	210	170	155	140	125	100	80

					MODEL - NP35/M125 MIXED FLOW						
					DISCHARGE IN LPM						
PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)	0	390	480	540	600	660	720
					HEAD IN METER						
NP35/M125/4	5	3.7	4	65	46	36	32	28	24	20	14
NP35/M125/5	6	4.5	5	65	57	45	40	35	30	25	17
NP35/M125/6	7.5	5.5	6	65	69	54	48	42	36	30	21
NP35/M125/8	10	7.5	8	65	92	72	64	56	48	40	28
NP35/M125/10	12.5	9.3	10	65	115	90	80	70	60	50	35
NP35/M125/12	15	11	12	65	138	108	96	84	72	60	42
NP35/M125/14	17.5	13	14	65	161	126	112	98	84	70	49
NP35/M125/16	20	15	16	65	184	144	128	112	96	80	56
NP35/M125/20	25	18.5	20	65	230	180	160	140	120	100	70

					MODEL - NP35/M150 MIXED FLOW						
					DISCHARGE IN LPM						
PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)	0	540	600	780	900	1020	1120
					HEAD IN METER						
NP35/M150/3	5	3.7	3	80	34	27	24	21	18	15	12
NP35/M150/4	6	4.5	4	80	46	36	32	28	24	20	16
NP35/M150/5	7.5	5.5	5	80	57	45	40	35	30	25	20
NP35/M150/6	10	7.5	6	80	69	54	48	42	36	30	24
NP35/M150/8	12.5	9.3	8	80	92	72	64	56	48	40	32
NP35/M150/10	15	11	10	80	115	90	80	70	60	50	40
NP35/M150/12	17.5	13	12	80	138	108	96	84	72	60	48
NP35/M150/13	20	15	13	80	150	117	104	91	78	65	52
NP35/M150/16	25	18.5	16	80	184	144	128	112	96	80	64

					MODEL - NP35/M200 MIXED FLOW						
					DISCHARGE IN LPM						
PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)	0	660	760	880	1000	1120	1200
					HEAD IN METER						
NP35/M200/3	6	4.5	3	80	35	26	25	23	21	18	15
NP35/M200/4	7.5	5.5	4	80	47	35	33	31	28	24	20
NP35/M200/5	10	7.5	5	80	58	44	41	38	35	30	25
NP35/M200/6	12.5	9.3	6	80	70	52	49	46	42	36	30
NP35/M200/8	15	11	8	80	94	70	66	62	56	48	40
NP35/M200/10	20	15	10	80	118	87	82	77	70	60	50
NP35/M200/12	25	18.5	12	80	141	105	99	93	84	72	60
NP35/M200/15	30	22	15	80	176	131	124	116	105	90	75

BOREWELL SUBMERSIBLE PUMP (6")

| PUMP'S PERFORMANCE CHART

Performance Data @ 2800 rpm | 380 - 415 V | Three Phase | 50 Hz | A.C Supply

6"

					MODEL - NP35/M250 MIXED FLOW						
					DISCHARGE IN LPM						
PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)	0	720	840	960	1080	1200	1320
					HEAD IN METER						
NP35/M250/3	7.5	5.5	3	80	37	27	25	22	18	15	10
NP35/M250/4	10	7.5	4	80	50	36	34	30	24	20	14
NP35/M250/5	12.5	9.3	5	80	62	45	42	37	30	25	17
NP35/M250/6	15	11	6	80	75	54	51	45	36	30	21
NP35/M250/7	17.5	13	7	80	87	63	59	52	42	35	24
NP35/M250/8	20	15	8	80	100	72	68	60	48	40	28
NP35/M250/10	25	18.5	10	80	125	90	85	75	60	50	35
NP35/M250/12	30	22	12	80	150	108	102	90	72	60	42

					MODEL - NP35/M300 MIXED FLOW						
					DISCHARGE IN LPM						
PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)	0	780	900	1020	1140	1260	1380
					HEAD IN METER						
NP35/M300/3	10	7.5	3	80	37	27	25	22	18	15	10
NP35/M300/4	12.5	9.3	4	80	50	36	34	30	24	20	14
NP35/M300/5	15	11	5	80	62	45	42	37	30	25	17
NP35/M300/6	20	15	6	80	75	54	51	45	36	30	21
NP35/M300/7	20	15	7	80	87	63	59	52	42	35	24
NP35/M300/8	25	18.5	8	80	100	72	68	60	48	40	28
NP35/M300/10	30	22	10	80	125	90	85	75	60	50	35

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PUMP'S PERFORMANCE CHART

Performance Data @ 2800 rpm | 380 - 415 V | Three Phase | 50 Hz | A.C Supply

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP35/R30/10	3	2.2	10	50
NP35/R30/14	5	3.7	14	50
NP35/R30/15	5	3.7	15	50
NP35/R30/16	5	3.7	16	50
NP35/R30/17	6	4.5	17	50
NP35/R30/18	6	4.5	18	50
NP35/R30/20	6	4.5	20	50
NP35/R30/22	7.5	5.5	22	50
NP35/R30/24	7.5	5.5	24	50
NP35/R30/25	7.5	5.5	25	50
NP35/R30/28	10	7.5	28	50
NP35/R30/30	10	7.5	30	50

MODEL - NP35/R30 RADIAL FLOW						
DISCHARGE IN LPM						
0	60	78	90	120	138	150
HEAD IN METER						
90	82	77	72	57	47	37
126	115	108	101	80	66	52
135	124	116	109	86	71	56
144	132	124	116	92	76	60
153	140	132	123	98	81	64
162	148	139	130	103	85	67
180	165	155	145	115	95	75
198	181	170	159	126	104	82
216	198	186	174	138	114	90
225	206	194	181	144	119	94
252	231	217	203	161	133	105
270	247	232	217	172	142	112

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP35/R40/8	3	2.2	8	50
NP35/R40/12	5	3.7	12	50
NP35/R40/14	6	4.5	14	50
NP35/R40/15	6	4.5	15	50
NP35/R40/18	7.5	5.5	18	50
NP35/R40/20	7.5	5.5	20	50
NP35/R40/24	10	7.5	24	50
NP35/R40/25	10	7.5	25	50
NP35/R40/26	10	7.5	26	50
NP35/R40/28	12.5	9.3	28	50
NP35/R40/30	12.5	9.3	30	50
NP35/R40/32	12.5	9.3	32	50
NP35/R40/35	15	11	35	50
NP35/R40/36	15	11	36	50

MODEL - NP35/R40 RADIAL FLOW						
DISCHARGE IN LPM						
0	78	90	120	150	180	210
HEAD IN METER						
76	70	68	62	56	50	42
114	105	102	93	84	75	63
133	112	119	108	98	87	73
142	131	127	116	105	94	78
171	157	153	139	126	112	94
190	175	170	155	140	125	105
228	210	204	186	168	150	126
237	219	212	194	175	156	131
247	227	221	201	182	162	136
266	245	238	217	196	175	147
285	262	255	232	210	187	157
304	280	272	248	224	200	168
332	306	297	271	245	219	184
342	315	306	279	252	225	189

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP35/R50/6	3	2.2	6	50
NP35/R50/10	5	3.7	10	50
NP35/R50/12	6	4.5	12	50
NP35/R50/14	7.5	5.5	14	50
NP35/R50/15	7.5	5.5	15	50
NP35/R50/18	10	7.5	18	50
NP35/R50/20	10	7.5	20	50
NP35/R50/25	12.5	9.3	25	50
NP35/R50/28	15	11	28	50
NP35/R50/30	15	11	30	50
NP35/R50/36	17.5	13	36	50
NP35/R50/38	20	15	38	50
NP35/R50/40	20	15	40	50

MODEL - NP35/R50 RADIAL FLOW						
DISCHARGE IN LPM						
0	120	150	180	210	240	270
HEAD IN METER						
63	55	52	49	45	40	34
105	92	87	82	75	67	57
126	111	105	99	90	81	69
147	129	122	115	105	94	80
157	138	131	124	112	101	86
189	166	157	148	135	121	103
210	185	175	165	150	135	115
262	231	218	206	187	169	143
294	259	245	231	210	189	161
315	277	262	247	225	202	172
378	333	315	297	270	243	207
399	351	332	313	285	256	218
420	370	350	330	300	270	230

6"

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PUMP'S PERFORMANCE CHART

Performance Data @ 2800 rpm | 380 - 415 V | Three Phase | 50 Hz | A.C Supply

6"

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP35/R60/5	3	2.2	5	50
NP35/R60/8	5	3.7	8	50
NP35/R60/10	6	4.5	10	50
NP35/R60/12	7.5	5.5	12	50
NP35/R60/16	10	7.5	16	50
NP35/R60/20	12.5	9.3	20	50
NP35/R60/25	15	11	25	50
NP35/R60/26	15	11	26	50
NP35/R60/28	17.5	13	28	50
NP35/R60/30	17.5	13	30	50
NP35/R60/32	20	15	32	50
NP35/R60/34	20	15	34	50
NP35/R60/40	25	18.5	40	50

MODEL - NP35/R60 RADIAL FLOW						
DISCHARGE IN LPM						
0	150	180	210	240	270	300
HEAD IN METER						
59	51	48	43	40	37	32
94	82	78	70	64	60	52
118	102	97	87	80	75	65
141	123	117	105	96	90	78
188	164	156	140	128	120	104
236	205	195	175	160	150	130
295	256	243	218	200	187	162
307	266	253	227	208	195	169
330	287	273	245	224	210	182
354	307	292	262	240	225	195
377	328	312	280	256	240	208
401	348	331	297	272	255	221
472	410	390	350	320	300	260

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP35/R70/14	10	7.5	14	50
NP35/R70/18	12.5	9.3	18	50
NP35/R70/20	15	11	20	50
NP35/R70/24	17.5	13	24	50
NP35/R70/28	20	15	28	50
NP35/R70/35	25	18.5	35	50

MODEL - NP35/R70 RADIAL FLOW						
DISCHARGE IN LPM						
0	180	210	240	270	300	330
HEAD IN METER						
158	136	126	112	105	84	56
202	175	162	144	135	108	72
225	195	180	160	150	120	80
270	234	216	192	180	144	96
315	273	252	224	210	168	112
394	341	315	280	262	210	140

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP35/R80/6	5	3.7	6	50
NP35/R80/8	6	4.5	8	50
NP35/R80/10	7.5	5.5	10	50
NP35/R80/12	10	7.5	12	50
NP35/R80/14	12.5	9.3	14	50
NP35/R80/15	12.5	9.3	15	50
NP35/R80/16	12.5	9.3	16	50
NP35/R80/18	15	11	18	50
NP35/R80/22	17.5	13	22	50
NP35/R80/25	20	15	25	50
NP35/R80/30	25	18.5	30	50

MODEL - NP35/R80 RADIAL FLOW						
DISCHARGE IN LPM						
0	210	240	270	300	330	360
HEAD IN METER						
73	60	54	51	48	39	24
97	80	72	68	64	52	32
121	100	90	85	80	65	40
145	120	108	102	96	78	48
169	140	126	119	112	91	56
181	150	135	127	120	97	60
193	160	144	136	128	104	64
217	180	162	153	144	117	72
266	220	198	187	176	143	88
302	250	225	212	200	162	100
363	300	270	255	240	195	120

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP35/R100/3	3	2.2	3	50
NP35/R100/5	5	3.7	5	50
NP35/R100/6	6	4.5	6	50
NP35/R100/8	7.5	5.5	8	50
NP35/R100/10	10	7.5	10	50
NP35/R100/12	12.5	9.3	12	50
NP35/R100/15	15	11	15	50
NP35/R100/18	17.5	13	18	50
NP35/R100/20	20	15	20	50
NP35/R100/25	25	18.5	25	50

MODEL - NP35/R100 RADIAL FLOW						
DISCHARGE IN LPM						
0	300	330	360	390	420	450
HEAD IN METER						
38	26	25	23	21	19	10
64	44	42	38	36	32	17
76	53	50	46	43	38	21
102	70	67	62	57	51	28
128	88	83	77	72	64	35
153	106	100	93	86	77	42
191	132	125	116	108	96	52
229	158	150	139	129	115	63
255	176	167	155	144	128	70
319	220	208	194	180	160	87

| Address

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