

Since 1985



BOREWELL SUBMERSIBLE PUMP (8")



SHREE
Niloskar Pumps
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BOREWELL SUBMERSIBLE PUMPSET (8")

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 - 7.5 kW - 55 kW, 380 - 415 V / 50 Hz
7.5 kW - 55 kW, 380 - 460 V / 60 Hz
- Max Water Temp - 35° C
- Max outer diameter (mm) - 183
- Max Starts per hour - 20 times
- Coolent - Clear Water



BOREWELL SUBMERSIBLE MOTOR (8")

| 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			cos ϕ (PF) at % load			MAX START	MAX WATER TEMP.
								50	75	100	50	75	100		
NP-8-10.0	10.0	7.5	27500	380	2845	18.3	75.0	62	61	62	0.68	0.70	0.72	20	35°C
				400	2875	18.6	81.0	61	63	65	0.64	0.70	0.71	20	35°C
				415	2875	18.9	85.0	59	66	67	0.61	0.69	0.71	20	35°C
NP-8-15.0	15.0	11	27500	380	2865	25.2	105.0	73	76	76	0.68	0.79	0.83	20	35°C
				400	2885	25.9	115.0	72	76	76	0.62	0.75	0.81	20	35°C
				415	2890	26.3	120.0	72	75	75	0.60	0.71	0.79	20	35°C
NP-8-20.0	20.0	15	27500	380	2870	31.0	123.0	77	78	78	0.70	0.80	0.83	20	35°C
				400	2890	31.1	130.0	76	78	78	0.66	0.75	0.81	20	35°C
				415	2890	31.1	135.0	73	74	77	0.62	0.74	0.81	20	35°C
NP-8-25.0	25.0	18.5	27500	380	2855	38.5	155.0	79	80	79	0.70	0.80	0.83	20	35°C
				400	2860	39.0	165.0	79	79	78	0.63	0.75	0.81	20	35°C
				415	2885	39.2	170.0	77	79	78	0.60	0.72	0.82	20	35°C
NP-8-30.0	30.0	22	27500	380	2880	54.0	255.0	82	83.5	83	0.83	0.83	0.86	20	35°C
				400	2890	51.0	270.0	83	83.6	83	0.79	0.82	0.86	20	35°C
				415	2900	48.0	275.0	82	84.5	84	0.73	0.82	0.85	20	35°C
NP-8-35.0	35.0	26	27500	380	2880	59.0	281.0	82	83	82	0.83	0.83	0.86	20	35°C
				400	2900	56.0	297.0	83	84	83	0.79	0.82	0.86	20	35°C
				415	2910	54.0	307.0	83	84	83	0.73	0.82	0.85	20	35°C
NP-8-40.0	40.0	30	45000	380	2885	63.1	301.0	82.9	84.2	82.9	0.87	0.87	0.88	20	35°C
				400	2900	60.0	317.0	83.1	84.9	84	0.79	0.84	0.88	20	35°C
				415	2910	58.0	331.0	83.1	84.6	84.2	0.75	0.85	0.87	20	35°C
NP-8-45.0	45.0	33	45000	380	2880	73.0	354.0	83	84	83	0.87	0.87	0.88	20	35°C
				400	2905	71.1	377.0	83.5	84.3	84	0.80	0.84	0.88	20	35°C
				415	2910	69.0	394.0	83.2	84.9	84	0.76	0.87	0.87	20	35°C

8"



BOREWELL SUBMERSIBLE PUMP (8")

| 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-8-50.0	50.0	37	45000	380	2890	79.1	377.0	84	85	84	0.80	0.84	0.86	20	35°C
				400	2910	76.0	400.0	83.5	85	84	0.74	0.81	0.85	20	35°C
				415	2910	75.1	411.0	82.9	84	84.2	0.69	0.79	0.84	20	35°C
NP-8-60.0	60.0	45	45000	380	2895	92.9	490.0	85.4	86	85	0.79	0.84	0.87	20	35°C
				400	2910	90.0	520.0	85.1	86	85.6	0.74	0.81	0.85	20	35°C
				415	2910	88.0	542.0	84.1	85.6	85	0.68	0.79	0.84	20	35°C
NP-8-75.0	75.0	55	45000	380	2910	115.0	625.0	86.1	86	85	0.77	0.83	0.87	20	35°C
				400	2915	110.0	660.0	85.4	86	85.3	0.70	0.81	0.84	20	35°C
				415	2920	109.0	687.0	84.5	86.5	85.6	0.66	0.77	0.84	20	35°C

8"

| PUMP'S TECHNICAL SPECIFICATION

- Operating range:
Head Range - 6 mtr to 240 mtr
Flow rate - 300 lpm to 2600 lpm
Immersion - 1 mtr minimum
- Outlet (inch) - 3 / 4 / 5 / 6
- Pump & Motor Coupling - As per NEMA Standard



BOREWELL SUBMERSIBLE PUMP (8")

PUMP'S PERFORMANCE CHART

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

8"

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP8J/M30/2	6	4.5	2	100
NP8J/M30/3	10	7.5	3	100
NP8J/M30/4	12.5	9.3	4	100
NP8J/M30/5	15	11	5	100
NP8J/M30/6	20	15	6	100
NP8J/M30/8	25	18.5	8	100

MODEL - NP8 JANTA/M30 (384) MIXED FLOW						
DISCHARGE IN LPM						
390	720	960	1080	1200	1290	1440
HEAD IN METER						
30	28	25	22	20	18	14
45	42	37	33	30	27	21
60	56	50	44	40	36	28
75	70	62	55	50	45	35
90	84	75	66	60	54	42
120	112	100	88	80	72	56

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP8J/M40/2	7.5	5.5	2	100
NP8J/M40/3	12.5	9.3	3	100
NP8J/M40/4	15	11	4	100
NP8J/M40/5	20	15	5	100
NP8J/M40/6	25	18.5	6	100

MODEL - NP8 JANTA/M40 (384) MIXED FLOW						
DISCHARGE IN LPM						
480	750	990	1110	1290	1410	1590
HEAD IN METER						
30	28	26	22	20	17	14
45	42	39	33	30	25	21
60	56	52	44	40	34	28
75	70	65	55	50	42	35
90	84	78	66	60	51	42

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP8J/M50/2	10	7.5	2	100
NP8J/M50/3	15	11	3	100
NP8J/M50/4	20	15	4	100
NP8J/M50/5	25	18.5	5	100

MODEL - NP8 JANTA/M50 (384) MIXED FLOW						
DISCHARGE IN LPM						
660	990	1320	1410	1500	1590	1860
HEAD IN METER						
28	26	24	22	20	18	14
42	39	36	33	30	27	21
56	52	48	44	40	36	28
70	65	60	55	50	45	35

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP8J/M60/1	6	4.5	1	100
NP8J/M60/2	12.5	9.3	2	100
NP8J/M60/3	17.5	13	3	100
NP8J/M60/4	25	18.5	4	100

MODEL - NP8 JANTA/M60 (384) MIXED FLOW						
DISCHARGE IN LPM						
840	1080	1500	1620	1740	1860	2040
HEAD IN METER						
14	13	12	11	10	9	7
28	26	24	22	20	18	14
42	39	26	33	30	27	21
56	52	48	44	40	36	28

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP8/M3/3	10	7.5	3	80
NP8/M3/4	12.5	9.3	4	80
NP8/M3/5	15	11	5	80
NP8/M3/7	20	15	7	80
NP8/M3/9	25	18.5	9	80
NP8/M3/10	30	22	10	80
NP8/M3/12	35	26	12	80
NP8/M3/15	45	35	15	80

MODEL - NP8/M3-333 MIXED FLOW						
DISCHARGE IN LPM						
550	700	800	950	1080	1250	1550
HEAD IN METER						
48	45	42	36	30	24	21
64	60	56	48	40	32	28
80	75	70	60	50	40	35
112	105	98	84	70	56	49
144	135	126	108	90	72	63
160	150	140	120	100	80	70
192	180	168	144	120	96	84
240	225	210	180	150	120	105

BOREWELL SUBMERSIBLE PUMP (8")

PUMP'S PERFORMANCE CHART

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

8"

					MODEL - NP8/M4-333 MIXED FLOW						
					DISCHARGE IN LPM						
PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)	660	800	900	1060	1260	1440	1700
					HEAD IN METER						
NP8/M4/3	12.5	9.3	3	80	48	45	42	36	30	24	21
NP8/M4/4	15	11	4	80	64	60	56	48	40	32	28
NP8/M4/5	20	15	5	80	80	75	70	60	50	40	35
NP8/M4/7	25	18.5	7	80	112	105	98	84	70	56	49
NP8/M4/8	30	22	8	80	128	120	112	96	80	64	56
NP8/M4/9	35	26	9	80	144	135	126	108	90	72	63
NP8/M4/10	40	30	10	80	160	150	140	120	100	80	70
NP8/M4/11	45	35	11	80	176	165	154	132	110	88	77
NP8/M4/12	50	37	12	80	192	180	168	144	120	96	84

					MODEL - NP8/M5-384 MIXED FLOW						
					DISCHARGE IN LPM						
PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)	240	600	1000	1200	1380	1670	1930
					HEAD IN METER						
NP8/M5/2	10	7.5	2	100	36	34	30	28	22	16	12
NP8/M5/3	15	11	3	100	54	51	45	42	33	24	18
NP8/M5/4	20	15	4	100	72	68	60	56	44	32	24
NP8/M5/5	25	18.5	5	100	90	85	75	70	55	40	30
NP8/M5/6	30	22	6	100	108	102	90	84	66	48	36
NP8/M5/7	35	26	7	100	126	119	105	98	77	56	42
NP8/M5/8	40	30	8	100	144	136	120	112	88	64	48
NP8/M5/9	45	35	9	100	162	153	135	126	99	72	54
NP8/M5/10	50	37	10	100	180	170	150	140	110	80	60

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP8/M6/2	12.5	9.3	2	100
NP8/M6/3	20	15	3	100
NP8/M6/4	25	18.5	4	100
NP8/M6/5	30	22	5	100
NP8/M6/6	35	26	6	100
NP8/M6/7	40	30	7	100
NP8/M6/8	50	37	8	100

MODEL - NP8/M6-384 MIXED FLOW						
DISCHARGE IN LPM						
310	900	1220	1360	1540	1820	2040
HEAD IN METER						
36	34	30	28	22	16	12
54	51	45	42	33	24	18
72	68	60	56	44	32	24
90	85	75	70	55	40	30
108	102	90	84	66	48	36
126	119	105	98	77	56	42
144	136	120	112	88	64	48

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP8/M7/2	15	11	2	125
NP8/M7/3	20	15	3	125
NP8/M7/4	30	22	4	125
NP8/M7/5	35	26	5	125
NP8/M7/7	50	37	7	125

MODEL - NP8/M7-384 MIXED FLOW						
DISCHARGE IN LPM						
450	1050	1280	1500	1760	2030	2250
HEAD IN METER						
36	34	30	28	22	16	12
54	51	45	42	33	24	18
72	68	60	56	44	32	24
90	85	75	70	55	40	30
126	119	105	98	77	56	42

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP8/M8/2	15	11	2	125
NP8/M8/3	25	18.5	3	125
NP8/M8/4	30	22	4	125
NP8/M8/5	40	30	5	125
NP8/M8/6	50	37	6	125

MODEL - NP8/M8-384 MIXED FLOW						
DISCHARGE IN LPM						
600	1150	1380	1660	1930	2230	2440
HEAD IN METER						
36	34	30	28	22	16	12
54	51	45	42	33	24	18
72	68	60	56	44	32	24
90	85	75	70	55	40	30
108	102	90	84	66	48	36

BOREWELL SUBMERSIBLE PUMP (8")

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)
NP8/M10/1	10	7.5	1	125
NP8/M10/2	20	15	2	125
NP8/M10/3	30	22	3	125
NP8/M10/4	40	30	4	125
NP8/M10/5	50	37	5	125

MODEL - NP8/M10-384 MIXED FLOW						
DISCHARGE IN LPM						
840	1370	1710	2000	2210	2400	2600
HEAD IN METER						
18	17	15	14	11	8	6
36	34	30	28	22	16	12
54	51	45	42	33	24	18
72	68	60	56	44	32	24
90	85	75	70	55	40	30

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP8/R25/4	10	7.5	4	80
NP8/R25/5	12.5	9.3	5	80
NP8/R25/6	15	11	6	80
NP8/R25/8	20	15	8	80
NP8/R25/10	25	18.5	10	80
NP8/R25/12	30	22	12	80
NP8/R25/14	35	26	14	80
NP8/R25/16	40	30	16	80
NP8/R25/18	45	33	18	80
NP8/R25/20	50	37	20	80

MODEL - NP8/R25 RADIAL FLOW						
DISCHARGE IN LPM						
150	270	340	450	530	635	730
HEAD IN METER						
80	76	72	67	60	47	35
100	95	90	84	75	59	44
120	114	108	100	90	70	52
160	152	144	134	120	94	70
200	190	180	167	150	117	87
240	228	216	201	180	141	105
280	266	252	234	210	164	122
320	304	288	268	240	188	140
360	342	324	301	270	211	157
400	380	360	335	300	235	175

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP8/R50/2	10	7.5	2	80
NP8/R50/3	15	11	3	80
NP8/R50/4	20	15	4	80
NP8/R50/5	25	18.5	5	80
NP8/R50/6	30	22	6	80
NP8/R50/7	35	26	7	80
NP8/R50/8	40	30	8	80
NP8/R50/9	45	33	9	80
NP8/R50/10	50	37	10	80

MODEL - NP8/R50 RADIAL FLOW						
DISCHARGE IN LPM						
280	480	700	810	940	1030	1100
HEAD IN METER						
40	38	36	33	30	23	17
60	57	54	50	45	35	26
80	76	72	67	60	47	35
100	95	90	84	75	59	44
120	114	108	100	90	70	52
140	133	126	117	105	82	61
160	152	144	134	120	94	70
180	171	162	151	135	106	79
200	190	180	167	150	117	87

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP8/R30/3	10	7.5	3	80
NP8/R30/4	12.5	9.3	4	80
NP8/R30/5	15	11	5	80
NP8/R30/6	20	15	6	80
NP8/R30/7	25	18.5	7	80
NP8/R30/8	25	18.5	8	80
NP8/R30/10	30	22	10	80
NP8/R30/12	35	26	12	80
NP8/R30/14	40	30	14	80
NP8/R30/15	45	33	15	80
NP8/R30/16	50	37	16	80

MODEL - NP8/R30 RADIAL FLOW						
DISCHARGE IN LPM						
180	310	390	475	600	710	800
HEAD IN METER						
60	57	54	50	45	35	26
40	76	72	67	60	47	35
100	95	90	84	75	59	44
120	114	108	100	90	70	52
140	133	126	117	105	82	61
160	152	144	134	120	94	70
200	190	180	167	150	117	87
240	228	216	201	180	141	105
280	266	252	234	210	164	122
300	285	270	251	225	176	131
320	304	288	268	240	188	140

PUMP MODEL	HP	kW	MODEL	OUTLET SIZE(MM)
NP8/R40/3	12.5	9.3	3	80
NP8/R40/4	15	11	4	80
NP8/R40/5	20	15	5	80
NP8/R40/6	25	18.5	6	80
NP8/R40/7	30	22	7	80
NP8/R40/8	30	22	8	80
NP8/R40/9	35	26	9	80
NP8/R40/10	40	30	10	80
NP8/R40/11	45	33	11	80
NP8/R40/12	50	37	12	80

MODEL - NP8/R40 RADIAL FLOW						
DISCHARGE IN LPM						
250	430	530	660	800	915	1015
HEAD IN METER						
60	57	54	50	45	35	26
80	76	72	67	60	47	35
100	95	90	84	75	59	44
120	114	108	100	90	70	52
140	133	126	117	105	82	61
160	152	144	134	120	94	70
180	171	162	151	135	106	79
200	190	180	167	150	117	87
220	209	198	184	165	129	96
240	228	216	201	180	141	105

8"

| Address

263 - 264, Shubh Industrial Estate,
Kathwada - Singarva Road, Kathwada
Ahmedabad - 382 430
Gujarat INDIA

| Phone No: +91 - 9824 134 716

| E-mail id:

Dealers: dealer@niloskarpumps.com

General: info@niloskarpumps.com

| Website: www.niloskarpumps.com