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SELF PRIMING-CENTRIFUGAL PUMP "NSP" SERIES

FEATURES:-

- Excellent quick automatic priming action without foot valve up to 8 mtrs.
- Automatic air release during priming.
- Back pull design, so easy maintained without disturbing pipe lines.
- Dynamically balanced rotating parts ensure less vibrations.
- Better efficiency because of good hydraulic design.
- Non-clog impellers to handle solid particles up to 16 mm.
- Minimum parts, fast repairing at low cost, Also pump is available at economical rate.
- Available in Bare, Coupled, Monobloc, Belt driven & Engine driven version.
- Also offered pump with trolley / trailer to move it from one place to another.
- Graded casting & perfect machining of all components ensure long life.
- ABLE TO OFFER PUMPS WITH CLOSED IMPELLERS FOR CLEAR LIQUIDS.
- Monobloc pumps can be able to with stand with wide voltage fluctuations.
- Less expensive & easily available spares.
- Pumps can be fitted with mechanical seal as per customer's requirement



APPLICATION:-

- **Public utilities:** For pumping muddy water, sewage, polluted liquids, solid and in swimming pool.
- Dewatering Basements, Trenches, Construction sites.
- Onboard shift, as bilge, for desk wash & engine cooling.
- **Industrial :** Petroleum product, Ceramic product Chemicals, Thermal plants etc.
- Tiles & Marble factories, effluent plants.
- **Marine Works:** Handling liquids from docs, ports and vessels etc.
- **Salvage Operations :** Fire fighting.
- **Mobile Machinery :** Cooling water for marine engines & shovels.
- Any application where priming is to be avoided.



MATERIAL OF CONSTRUCTION:-

✚ CASING	:- Cast Iron / SS-304 (CF-8) , SS-316 (CF-8M)
✚ IMPELLER	:- Cast Iron / CF-8 CF-8M / Bronze
✚ DIFFUSER	:- Cast Iron / CF-8 CF-8M / Bronze
✚ SHAFT	:- EN-8 / SS 304 / SS 316
✚ SLEEVE	:- SS-410 / SS 304 / SS 316 / Bronze
✚ BEARING HOUSING	:- Cast Iron
✚ SEALING	:- TIWA/Carbon – Ceramic Seal / TC-TC Seal

ENGINE DRIVEN PUMP

WATER RATING CHART

MODEL	HP x RPM	PIPE SIZE	TOTAL HEAD IN METERS																	Sold Handling Size (MM)	
			6	8	10	12	14	15	16	18	19	20	22	24	25	26	28	30	32		34
			DESCHARGE LITERS PER SECOND																		
NSP-0	1.0 x 2900	40 x 40	4.8	4.2	3.5	2.5	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0
NSP-1H	2 x 2900	40 x 40	-	-	6.5	5.8	5.1	3.8	2.6	0.7	-	-	-	-	-	-	-	-	-	-	8.5
NSP-2H	3 x 2900	50 x 50	-	-	9.0	8.5	8.0	7.0	6.0	5.0	3.3	1.8	-	-	-	-	-	-	-	-	10.5
NSP-3L	5 x 1450	80 x 80	18.0	16.6	15.1	12.3	9.2	5.5	-	-	-	-	-	-	-	-	-	-	-	-	7.0
NSP-3A	5 x 2900	80 x 80	-	-	-	-	-	-	-	-	-	7.7	7.3	6.8	-	6.0	5.0	4.0	3.0	-	14.5
NSP-3	7.5 x 2900	80 x 80	-	-	-	-	-	-	-	-	-	13.8	13.6	13.3	-	13.0	10.5	8.8	7.0	6.0	14.5
NSP-4LA	10 X 1450	100X 100	-	-	34.9	32.7	31.3	28.8	27.5	24.4	22.8	21.3	17.2	12.9	10.0	6.7	-	-	-	-	18.5
NSP-4L	12.5 X 1450	100 X 100	-	-	42.3	39.0	35.7	34.3	32.6	29.5	27.9	26.2	22.8	18.6	16.2	13.4	5.7	-	-	-	23.0

- Performances are at 2900 RPM, 50 Hz and tested with Clear Water.
- Note : Special Pumps for Higher Capacity and Head available on request.



STAINLESS STEEL PUMP



OPEN IMPELLER



SEMI OPEN IMPELLER

NSP COMPONENTS

