



C.R.I. PUMPS
Pumping trust. Worldwide.



AGRICULTURAL PUMPS



125mm/100mm Stainless Steel Borewell Submersible Pumpsets - NILE⁺ Series

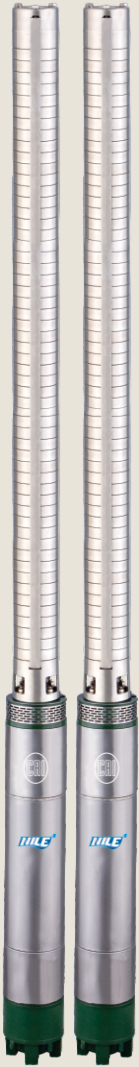
C.R.I. Nile+ Series 125/100mm Fully Stainless steel Borewell Submersible pumps are made of high quality SS 304/431 grade corrosion resistance stainless steel. The Optimal design of impellers and diffusers enables the best possible hydraulic efficiency. These pumps are of multistage centrifugal type, which is powered by water filled, rewindable submersible motor suitable for continuous duty. Motor Stator is made up of low watt loss Silicon Steel Laminations and wound with high grade copper windings wires for ensuring high efficiency of the Motor.

SALIENT FEATURES

- T - Bolt design in all Motor ensures rigid construction
- Corrosion resistant stainless steel 304 grade pump parts ensures longer life
- Smooth surface finish results friction free flow of fluids
- High operating efficiency ensures more power savings
- Specially designed Thrust Bearings to withstand high axial thrust loads
- Designed for Wide Voltage operation
- Best suitable for 150mm under size borewell.

APPLICATION

- Agricultural & Irrigation
- Sprinkler system
- Domestic water supply
- Pressure boosting
- Industrial and Mining



SPECIFICATIONS

Power range	2.2kW – 9.3kW (3 HP to 12.5 HP)
Speed	2850 RPM
Version	Three phase 380 – 415V; 50Hz AC Supply
Maximum total head	780 Metre
Maximum flow rate	2 lps (7 m ³ /h)
Maximum outer diameter	121 mm
Nominal outlet size	32 & 40 mm
Degree of protection	IP 58
Direction of rotation	3Ph - Electrically reversible
Thrust load	2.2 kW – 4.5 kW – 3500 lbs; 5.5 kW – 7.5 kW – 6000 lbs
Minimum cooling flow along the motor	0.15 m/sec
Type of duty	S1 (Continuous)
Method of starting	3Ph - Direct Online (D.O.L)
Maximum starts per hour	20 times

Works upto
2500ft*
(770 mtrs)

More
Hygiene

SS 304
Material

PERFORMANCE CHART

125mm/100mm STAINLESS STEEL BOREWELL SUBMERSIBLE PUMPSETS - NILE+ Series

2850 RPM - At Rated Voltage – Three Phase 415 Volts, 50Hz, A.C. Supply.

MATERIAL OF CONSTRUCTION - MOTOR

Part Name	Material
Upper & Lower Housing	Cast Iron
Upper & Lower Housing Shell	SS 304
Stator Shell	SS 304
Rotor Shaft	SS 410
Journal Bushes	LTB - 4
Thrust Assembly	SS 420 and Graphite Carbon
Diaphragm	High Nitrile Butyl Rubber

MATERIAL OF CONSTRUCTION - PUMP

Part Name	Material
Check Valve & Suction Housing	SS 304
Pump Shaft	SS 304
Impeller	SS 304
Stage Casing	SS 304
Bracket	SS 304
Inlet Screen	SS 304



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