



C.R.I. PUMPS

Pumping trust... Worldwide.



- Tough & Efficient for Long Life.
- Motor designed with High Cooling Effect.
- Technically Enriched Double Depth Working Capacity.
- 3D HT Technology for Long-lasting Performance.
- Specially Designed for More Sprinkler Operations.



Vision, Mission and Values

To be the industry leader providing best-in-class fluid management solutions to individual and institutional customers and societies in our chosen markets.

We will achieve this through our dedicated efforts to enhance the welfare of all our stakeholders and by living by our values of **Commitment, Reliability and Innovation.**



ABOUT C.R.I.

C.R.I. ranks high among the world's fastest-growing fluid management solutions provider with a wide global presence. C.R.I. offers Pumps, Motors, IoT Driven Pumps, IoT Drives & Controllers, Pipes, Wires & Cables, Solar Pumps and Controllers to meet the pumping needs of its wide customer base.



60+ Years
of Engineering
Expertise



120+ Countries
have our strong
global presence



21+
Manufacturing Units
around the World



30000+ Outlets
to serve our
Customers



9000+
Products for various
applications



1500+
Service Centres to
support our Customers



16 Times
EEPC Award Winner
for Export Excellence



8 Times
NEC Award Winner
for Energy Savings



**Fludyn Advanced Technology
Centre** Recognized by Ministry of
Science & Technology, Govt. of India.

C.R.I. PIPES - C.R.I.'s state-of-the-art manufacturing facility at Ahmedabad & Hosur produces all kinds of best quality PVC, UPVC, CPVC Pipes & Fittings. The plants are empowered with fully automated machines that control the manufacturing process.

C.R.I. WIRES & CABLES - C.R.I.'s Wires & Cables are manufactured at its state-of-the-art manufacturing facility. The systems at the manufacturing facility are ISO-9001 certified and the products manufactured to meet the relevant standards.

C.R.I. SOLAR PUMPING SYSTEM - C.R.I. manufactures sustainable Solar Pumping Systems designed to work with best in class efficiency. With this C.R.I. emphasizes its focus towards greener technology.



125mm/100mm Borewell Submersible Pumpset - NILE⁺ Series

C.R.I. Nile+ 125mm/100mm Borewell Submersible Pumpset is firmly coupled to a submersible electric motor which operates submerged beneath the surface of water. The optimal design of impeller and diffuser enables the best possible hydraulic efficiency. Built-in check valve prevents back flow and reduces the risk of water hammering.

SALIENT FEATURES

- T - Bolt design in all Motor ensures rigid construction
- Specially designed Deep Drawn type pump ensures perfect alignment and thereby increases the life of the pumpset
- High operating efficiency and more durability
- 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

	NILE ⁺ Series
Power range	3.7 kW – 7.5 kW (5 HP to 10 HP)
Speed	2850 RPM
Version	Three phase 380 – 415V, 50Hz, A.C. Supply
Maximum total head	650 Metre
Maximum flow rate	3 LPS (10.8 m ³ /hr)
Maximum outer diameter	124 mm
Thrust load	2.2kW – 4.5kW – 3500lbs; 5.5kW – 7.5kW – 6000lbs
Minimum cooling flow along the motor	0.15 m/sec
Type of duty	S1 (Continuous)
Method of starting	Direct Online (D.O.L)
Maximum starts per hour	20 times
Nominal outlet size	32 & 40 mm



PERFORMANCE CHART

2850 RPM, At Rated Voltage – Three Phase 380-415V, 50Hz, A.C. Supply.

125mm/100mm BOREWELL SUBMERSIBLE PUMPSET - NILE+ Series

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	0.72	1.08	1.44	1.80	2.16	2.52	2.88	3.24
					lps	0	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
CRI4R-2/5/52	3.7	5	52	40	Head in Metres	380	353	332	305	273	236	194	148	99
CRI4R-2/6/60	4.5	6	60	40	Head in Metres	442	410	391	370	343	307	262	211	
CRI4R-2/7.5/75	5.5	7.5	75	40	Head in Metres	544	504	483	459	428	378	310	241	

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	1.80	2.16	2.52	2.88	3.24	3.60	4.32	5.04
					lps	0	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.4
CRI4R-3E/5/40	3.7	5	40	40	Head in Metres	320	274	260	245	228	209	188	142	91
CRI4R-3E/6/43	4.5	6	43	40	Head in Metres	335	318	310	298	284	268	252	210	
CRI4R-3E/7.5/54	5.5	7.5	54	40	Head in Metres	427	371	358	343	327	308	284	222	

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	1.8	2.16	2.52	2.88	3.24	3.6	4.32	5.04	5.76	6.48
					lps	0	0.5	0.6	0.7	0.8	0.9	1	1.2	1.4	1.6	1.8
CRI4R-3F/10/100	7.5	10	100	40	Head in Metres	553	479	461	439	417	392	367	312	282	202	152
CRI4R-3F/10/113	7.5	10	113	40	Head in Metres	650	572	553	527	493	458	425	356	284	179	

PERFORMANCE CHART

2850 RPM, At Rated Voltage – Three Phase 380-415V, 50Hz, A.C. Supply.

125mm/100mm BOREWELL SUBMERSIBLE PUMPSET - NILE+ Series

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	2.88	3.24	3.60	4.32	5.04	5.76	6.48	7.20
						0	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.0
CRI4R-5/5/25	3.7	5	25	40	Head in Metres	181		158	154	144	134	121	101	77
CRI4R-5/5/32	3.7	5	32	40		227		198	192	179	163	148	118	83
CRI4R-5E/5/37	3.7	5	37	40		221	200	196	193	182	168	152	132	112
CRI4R-5E/7.5/56	5.5	7.5	56	40		325	277	270	263	246				

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	4.32	5.04	5.76	7.20	7.92	9.36	10.80
						0	1.2	1.4	1.6	2.0	2.2	2.6	3.0
CRI4R-8/5/28	3.7	5	28	40	Head in Metres	193	172	167	160	139	127	100	69
CRI4R-8/6/28	4.5	6	28	40		203	177	172	165	143	131	103	71
CRI4R-8/7.5/34	5.5	7.5	34	40		244	216	210	201	176	160	127	91



MATERIAL OF CONSTRUCTION

125mm/100mm BOREWELL SUBMERSIBLE PUMPSET - NILE+ Series

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

PUMP	
Part Name	Material
Check Valve & Suction Housing	Cast Iron
Pump Shaft	SS 304
Impeller	Noryl
Stage Casing	SS 304
Coupling	SS 410
Bracket Bush	LTB – 4 / Nitrile Rubber
Bracket Sleeve	SS 410



✿ CATERS TO DIVERSE SEGMENTS ✿

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