



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 Borewell Submersible Pumpset - NILE Series

C.R.I. Nile 125mm Borewell Submersible Pumpset are powered by water filled, rewindable submersible motor suitable for continuous duty. 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 motor ensures rigid construction
- Anti corrosive SS410 casted impellers ensures longer life of Pump sets
- Optimised Hydraulic design for Efficient Performance
- Specially Designed thrust bearing to withstand high axial thrust loads
- Best suitable for 150 mm undersize borewell applications

APPLICATION

- Irrigation
- Drip and sprinkler applications
- Civil and industrial water supply
- Farms & Gardens
- Rural water supply

SPECIFICATIONS

	NILE Series
Power range	2.2 kW to 5.5 kW (3 HP to 7.5 HP)
Speed	2850 RPM
Version	Three phase 380 – 415V; 50Hz AC Supply
Maximum total head	60 Metre
Maximum flow rate	12.5 LPS (45 m ³ /hr)
Maximum outer diameter	130 mm
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	Direct Online (D.O.L)
Maximum starts per hour	20 times
Nominal outlet size	80 mm

PERFORMANCE CHART

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

125mm BOREWELL SUBMERSIBLE PUMPSET - NILE Series

MIXED FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	5	10	15	20	25	27	30	35	40	45
						0	1.4	2.8	4.2	5.6	6.9	7.5	8.3	9.7	11.1	12.5
CRI5M-27/3/3	2.2	3	3	80	Head in Metres	23	21	19	18	16	15	14	13	11	9	6
CRI5M-27/4/4	3	4	4	80		31	29	26	25	22	21	20	19	17	14	9
CRI5M-27/5/5	3.7	5	5	80		37	34	32	30	27	25	24	23	20	15	11
CRI5M-27/6/6	4.5	6	6	80		45	42	39	36	33	31	30	29	25	21	15
CRI5M-27/7.5/8	5.5	7.5	8	80		60	57	53	49	45	42	41	39	35	29	21

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	8	12	16	20	24	28	32	36	38	40
						0	2.22	3.33	4.44	5.55	6.66	7.77	8.88	10.0	10.55	11.11
CRI5M-28/5/4	3.7	5	4	80	Head in Metres	43	39	36	34	33	30	27	25	17	15	11

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	5	10	15	20	25	27	30	35	40	45
						0	1.4	2.8	4.2	5.6	6.9	7.5	8.3	9.7	11.1	12.5
CRI5M-30/7.5/5	5.5	7.5	5	80	Head in Metres	50	48	46	43	40	38	37	35	28	19	8.5

MATERIAL OF CONSTRUCTION - MOTOR

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

MATERIAL OF CONSTRUCTION - PUMP

Part Name	Materials
Valve housing & Suction Housing	Cast Iron
Pump Shaft	SS 410
Impeller	SS 410
Stage Casing	Cast Iron
Coupling	SS 410
Bracket Bush	LTB – 4 / Nitrile Rubber
Sleeve	SS 410



✿ CATERS TO DIVERSE SEGMENTS ✿

WATER & WASTE WATER | SOLAR | PROCESS INDUSTRIES | SEWAGE & EFFLUENT TREATMENT PLANTS
HVAC | FIRE FIGHTING | METAL & MINING | FOOD & BEVERAGE | AGRICULTURE | RESIDENTIAL



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