



C.R.I. PUMPS

Pumping trust... Worldwide.



- More Durability and Hygiene.
- High Operating Efficiency.
- Motor designed with a High Cooling Effect.
- Designed for Wide Voltage Operation.
- Sturdy and Compact.



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.



80mm Borewell Submersible Pumpset- ZUNO LITE Series

C.R.I. ZUNO Lite 80 mm Borewell submersible motors are pre-filled with non-toxic liquid for best performance in low voltage and high efficiency. The pump 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. All vital components of these pumps are made up of corrosive resistance thermoplastic and the shaft is of SS 431.

SALIENT FEATURES

- More durability and hygiene
- High operating efficiency
- Designed for wide voltage operation
- Additional intermediate bearing in higher stage pumps.

APPLICATION

- Gardens
- Irrigation
- Farms
- Industrial.

SPECIFICATIONS

80MM ZUNO LITE

Power range	0.75 kW & 1.1 kW (1.0 HP & 1.5 HP)
Speed	2800 RPM
Version	Single Phase 220V, 50Hz, A.C. Supply
Maximum total head	70 Metre
Maximum flow rate	1.5 LPS (5.40 m ³ /hr)
Maximum outer diameter	78 mm
Thrust load	650 LBS
Minimum cooling flow along the motor	0.15 m/sec
Method of starting	Capacitor Start Capacitor Run (CSCR)
Maximum starts per hour	20 times
Nominal outlet size	32 mm

PERFORMANCE CHART

2800 RPM – At Rated Voltage – Single Phase 220 Volts, 50Hz, A.C. Supply.

80mm BOREWELL SUBMERSIBLE PUMPSET - ZUNO LITE Series

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr Head in Metres	0	0.72	1.08	1.44	1.80	2.16	2.52	2.88	3.24
						0	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
CRI3R-31/1/17	0.75	1.0	17	32	Head in Metres	70	66	64	62	55	49	44	34	24

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr Head in Metres	0	0.72	1.44	2.16	2.88	3.60	4.32	5.04	5.40
						0	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.50
CRI3R-33/1/10	0.75	1.0	10	32	Head in Metres	37	35	33	32	30	28	23	18	13
CRI3R-33/1/12	0.75	1.0	12	32	Head in Metres	44	42	40	39	36	31	25	20	14
CRI3R-33/1.5/15	1.1	1.5	15	32	Head in Metres	59	58	56	53	49	41	33	22	17

MATERIAL OF CONSTRUCTION - PUMP

Part Name	Material
Check valve housing	Cast iron
Outer shell	Stainless Steel
Impeller	Noryl
Diffuser chamber	Noryl
Counter thrust pad	Hylem
Intermediate bearing (Sleeve / Bush)	SS - 304 / NBR
Suction inter connector	Cast iron
Pump shaft	SS - 304
Coupling	SS - 410

MATERIAL OF CONSTRUCTION - MOTOR

Part Name	Material
Stator shell	SS 304
Shaft seal	Nitrile Butyl Rubber / Mechanical Seal
Motor base	Cast iron
Motor Shaft	SS - 431
Bearing	SS Ball Bearing
Snap Ring	SS - 316





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