



C.R.I. PUMPS

Pumping trust. Worldwide.



80mm Borewell Submersible Pumpsets

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

- Motor portion covered with corrosive resistance Stainless Steel (SS 304) shell
- More durability and hygiene
- High operating efficiency
- Designed for wide voltage operation
- Additional intermediate bearing in higher stage pumps

APPLICATIONS : • Domestic • Gardens • Irrigation • Agriculture • 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, AC Supply
Maximum total head	70 metre
Maximum flow rate	1.5 lps (5.40 m³/h)
Maximum outer diameter	78 mm
Nominal outlet size	32 mm
Degree of protection	IP 58
Direction of rotation	Counter clockwise from driving end
Thrust load	650 lbs
Minimum cooling flow along the motor	0.15 m/sec
Type of duty	S1 (Continuous)
Method of starting	Capacitor Start Capacitor Run (CSCR)
Maximum starts per hour	20 times

PERFORMANCE CHART

ZUNO Lite SERIES

80mm BOREWELL SUBMERSIBLE PUMPSETS

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

Maximum Outer Diameter : 92mm

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m³/hr	0	0.72	1.08	1.44	1.80	2.16	2.52	2.88	3.24
						lps	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
CRI3R-31/17	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	m³/hr	0	0.72	1.44	2.16	2.88	3.60	4.32	5.04	5.40
						lps	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.50
CRI3R-33/10	0.75	1.0	10	32	Head in Metres	37	35	33	32	30	28	23	18	13
CRI3R-33/12	0.75	1.0	12	32		44	42	40	39	36	31	25	20	14
CRI3R-33/15	1.1	1.5	15	32		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



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