



C.R.I. PUMPS

Pumping trust. Worldwide.



80mm

Borewell Submersible Pumpsets

C.R.I. LENA 80mm Borewell Submersible pump is firmly coupled to a submersible electric motor which operates submerged beneath the surface of water. All vital components of these pumps are made up of corrosive resistance thermo plastic & SS 304. The optimal design of impeller and diffuser enables the best possible hydraulic efficiency. C.R.I. products are engineered to perfection with utmost care and stringent quality control at all stages to ensure a trouble free service.

SALIENT FEATURES

- Motor portion covered with corrosive resistance Stainless Steel (SS 304) shell
- More durability and hygiene
- High operating efficiency
- Specially designed thrust bearing to withstand high axial thrust load
- Extremely hardwearing water lubricated bearing
- Thread type motor construction ensures service feasibility
- Designed for wide voltage operation
- Additional intermediate bearing in higher stage pumps

APPLICATIONS : · Domestic · Gardens · Irrigation · Agriculture · Farms · Industrial



SPECIFICATIONS

80mm LENA

Power range	0.55 kW - 1.1 kW (0.75 HP - 1.5 HP)
Speed	2800 RPM
Version	Single Phase, 220V 50Hz, AC Supply
Maximum total head	156 metre
Maximum flow rate	1.5 lps (5.40 m³/h)
Maximum outer diameter	78 mm
Nominal outlet size	25 & 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

80mm BOREWELL SUBMERSIBLE
PUMPSETS - LENA SERIES

2800 RPM - At Rated Voltage - Single Phase 220 Volts, 50Hz, AC Supply
Maximum Outer Diameter : 74mm (R36) / 76mm (R30, R33, R34 & R35) / 78mm (R31)

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m³/hr	DISCHARGE									
						0	0.72	1.08	1.44	1.80	2.16	2.52	2.88	3.24	
					lps	0	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	
CRI3R-30/32	0.75	1	32	25	Head in Metres	89	83	77	70	61	49	33			
CRI3R-31/12	0.55	0.75	12	32		44	43	42	42	40	39	38			
CRI3R-31/17*	0.75	1	17	32		76	71	67	63	59	54	50	40	33	
CRI3R-31/24	0.75	1	24	32		103	101	97	90	85	78	70	58	50	
CRI3R-31/24*	1.1	1.5	24	32		105	101	97	93	88	80	71	60	50	

Model	kW	HP	Stage	Outlet Size in mm	m³/hr	DISCHARGE									
						0	0.72	1.44	2.16	2.88	3.60	4.32	5.04	5.40	
					lps	0	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.50	
CRI3R-33/10	0.75	1	10	32	Head in Metres	39	38	37	36	33	29	22	16	12	
CRI3R-33/15	1.1	1.5	15	32		59	58	56	53	49	41	33	22	17	

Model	kW	HP	Stage	Outlet Size in mm	m³/hr	DISCHARGE											
						0	0.72	1.08	1.26	1.44	1.62	1.80	2.16	2.88	3.60	4.32	5.04
					lps	0	0.20	0.30	0.35	0.40	0.45	0.50	0.60	0.80	1.00	1.20	1.40
CRI3R-34/38	1.1	1.5	38	32	Head in Metres	156	136	118	108	96	82	60					
CRI3R-36/12	0.75	1	12	32		48	45	43	42	41	39	38	35	31	26	20	15
CRI3R-36/15	0.75	1	15	32		60	55	52	51	49	48	46	43	41	33	26	19
CRI3R-36/17	1.1	1.5	17	32		67	64	62	60	58	57	55	52	45	39	30	22

* Marked pumpsets are having ISI licence.



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