



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



**AGRICULTURAL PUMPS**



## 150mm Borewell Submersible Pumpsets DELMA Series

CRI 150 mm Borewell Submersible Pumpsets are powered by water filled, rewindable submersible motor suitable for continuous duty. The stator is wound with special water proof synthetic film insulated copper winding wires and made up of low watt loss silicon steel laminations assembled under pressure and rigidly locked in stainless steel stator shell. T-Bolt design in all motor ensures rigid construction. Optimal design of impellers and diffusers offers best possible hydraulic efficiency. Built-in check valve prevents back flow and reduces the risk of water hammering.

### SALIENT FEATURES

- Optimized hydraulic design for efficient performance
- Specially designed thrust bearing to withstand high axial load
- T-Bolt design motor ensures rigid construction
- Smooth surface finish results friction free flow of fluid
- Designed for wide voltage applications
- SS 304 grade stainless steel stage casings and impellers in radial flow series
- Horizontal application model available

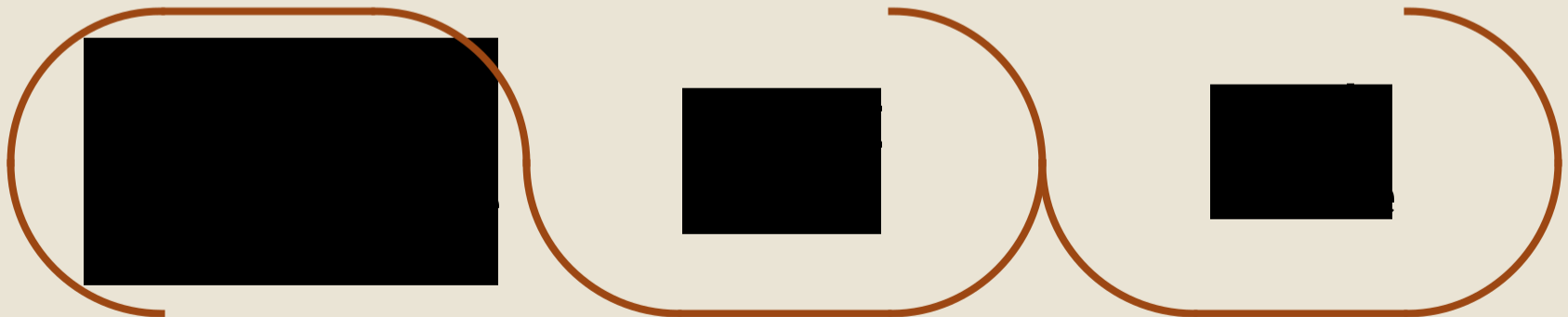
### APPLICATION

- Agriculture • Domestic • Irrigation • Gardens • Civil & Industrial water supply • Rural Water Supply • Ponds • Firefighting
- Pressure boosting



## SPECIFICATIONS

Power Range	1.5 kW - 22 kW (2 HP - 30 HP)
Speed	2900 rpm
Version	Single Phase 380 - 415V; Three Phase 200 - 240V; 50Hz, AC Supply
Maximum total head	516 metre
Maximum flow rate	22 lps (79.2 m <sup>3</sup> /h)
Maximum outer diameter	147 mm
Normal outlet size	50, 65, 80 & 100 mm
Degree of protection	IP 58
Direction of rotation	1Ph - Counter clockwise from driving end; 3Ph - Electrically Reversible
Thrust load	1.1 kW - 4.5 kW - 3500 lbs, 5.5 kW - 22 kW - 6000 lbs
Type of duty	S1 (Continuous)
Method of starting	3Ph - Direct Online (D.O.L) / Star Delta (SD)
Maximum starts per hour	20 times





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## Openwell Submersible Pumpsets CSM, CV & CSM-J Series



CRI Openwell Submersible Pumpsets are ideally suitable for openwells or tanks where a wide fluctuation of water level occur. This works under water and rest at the bottom of the well. Prime mover is rewindable, water – cooled motor. Specially designed water lubricated bearings are used to withstand the axial thrust loads with minimum wear and tear. The stator is wound with special waterproof synthetic film insulated copper winding wires and made up of low watt loss silicon steel laminations assembled under pressure and rigidly locked. Motor sealing is made by polymers, 'O' rings, oil seals and sand guard to avoid ingress of well water/salt into the motor. Pressure equalizing rubber diaphragm is provided to guard the motor from pressure and volume variation of water as detailed in our operator's manual. Three phase motor requires an adequate motor protection control panel.

### SALIENT FEATURES

- Specially designed double side carbon pads for higher wear resistance
- No suction and priming problem
- Extremely tough and hard wearing lubricated journal bearings are used
- Dynamically balanced rotating parts ensures minimum vibration and longer life
- Motor designed with higher cooling effect ensures longer life
- Motor body available in SS 304 & Cast Iron
- Designed for wide voltage fluctuations
- High operating efficiency
- No need of pump house.

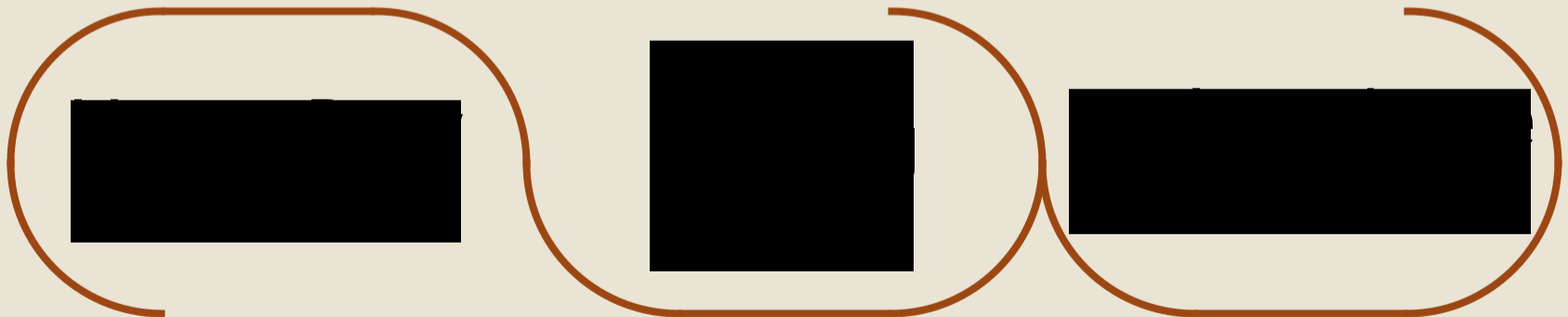
### APPLICATION

- Agriculture
- Domestic
- Irrigation
- Gardens
- Industrial
- Rural Water Supply



## SPECIFICATIONS

Power Range	2.2 kW - 15 kW (3HP - 20HP)
Speed	2900 rpm
Version	Single phase - 200-240V; Three phase - 380 - 415V, 50Hz AC Supply
Maximum total head	153 metre
Maximum flow rate	54 lps (194 m3/h)
Degree of protection	IP 58
Direction of rotation	Electrically Reversible
Method of starting	Direct On line (D.O.L), Star Delta(SD)
Type of duty	S1 (Continuous)
Normal delivery size	50, 65, 80,100 & 125 mm
Maximum starts per hour	10 times



**Total Water Solution Under One Roof**



**# Sales – 9820735686**

**# Service – 8879524555**

**# Bore Well - 9167985686**

**# Rain Water Harvesting - 8879223222**



**SHUBHA JAL**  
Water solutions LLP

