



Enriching Lives

# JALNAYAK

0.5 HP and 1.0 HP MINI SERIES PUMP



Overhead tanks in bungalows



Domestic water supply



Feed water to RO plants



Construction sites



Lawn sprinklers



Gardens & fountains



Car washing



**JALNAYAK - I**  
(1.0 HP)



**JALNAYAK - II**  
(0.5 HP)



**Robust Construction**



**CED Coating**

Superior resistance against corrosion



**Wide Voltage Range**

Protection against voltage fluctuations from 180 to 260 volts



**Thermal Overload Protector (TOP)**

Protects the motor from overloading and prevents the motor from burning



**Enhanced Safety Features**

Covered electrical parts offer additional safety

Always buy pumps with



Enriching Lives

and



logos on packaging



**KIRLOSKAR BROTHERS LIMITED**  
A Kirloskar Group Company

# JALNAYAK

## 0.5 HP and 1.0 HP MINI SERIES PUMP

### Applications

- Water supply to overhead tanks in bungalows
- Domestic Water Supply
- Feed water to RO Plants
- Construction sites
- Gardens and fountains
- Car Washing
- Lawn sprinklers

### Features

- **High Efficiency and Energy Saving Design:** Innovative design manufactured at state of art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.
- **High Grade F - Class Insulation:** Robust design to withstand higher temperatures reducing the chances of motor burning and ensures the reliability, safety and enhanced life.
- **Thermal Overload Protector (TOP):** The pump set features a Thermal Overload protector that protects the motor from overloading, shielding the motor and associated circuit from the effects of fault current.
- **Cathodic Electro Deposition (CED) Coating:** CED is the latest coating technology for corrosion resistance with uniform coating, provides 5 times more protection over conventional painting, resulting in longer life. Hydraulic parts of Kirloskar pumps are CED coated.
- **Wide Voltage Range:** The motor is designed to withstand wide voltage fluctuations from 180 to 260 volts (Single Phase) / 300 to 440 Volts (Three Phase) and reduces chances of motor burning due to low/high voltage.
- **Shielded Ball Bearing:** The pumps are fitted with shielded ball bearings, which results in low noise level and so no external lubrication is required throughout the life cycle.
- **Dynamically Balanced Rotating Parts:** Minimum vibrations protect components from damages during the operations, consistent performance as concentricity is maintained.
- **Easy Maintainable Designs:** Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.
- **High Suction Lift:** The pump has suction lift capacity up to 7.5 meters with high head, allowing to pump water at high volumes for a variety of applications.
- **Enhanced Safety Features:** All electrical parts of the pump are covered, which makes it safer to use.

### Technical Specifications

Model	Jalnayak - II (Gold)	Jalnayak - I (Gold)
Head Range	6-30m	6-48m
Capacity Range	2650 to 660 (LPH)	4050 to 1040 (LPH)
Power Rating	0.37 kW/0.5 (HP)	0.75 kW/1.0 (HP)
Phase	Single / Three	Single / Three
Voltage Range	180-260 Volts (Single Phase) / 300 - 440 Volts (Three Phase)	180-260 Volts (Single Phase) / 300 - 440 Volts (Three Phase)
Insulation	'F' Class	'F' Class

### Material of Construction

Impeller	:	Brass
Delivery Casing	:	Cast Iron
Motor Body	:	Aluminum Die Cast
Shaft	:	Carbon Steel
Mechanical Seal	:	Carbon Vs. Ceramic

### Performance under standard conditions

Pump Model	Power Rating		Pipe Size		Rated Voltage (Single/ Three Phase)	TOTAL HEAD IN METERS																
			(mm)			6	10	12	14	18	20	22	24	26	28	30	32	34	38	40	42	48
	kW	HP	Suc.	Del.		DISCHARGE IN LPH																
JALNAYAK-II (GOLD)	0.37	0.5	25	25	220/415	2650	2300	2160	1980	1650	1470	1330	1150	970	820	660						
JALNAYAK-I (GOLD)	0.75	1	25	25	230/415	4050	3745	3600	3455	3165	3025	2880	2735	2590	2445	2300	2160	2015	1725	1580	1440	1040

## KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

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### FOR SERVICE OF PUMPS

We are now on WhatsApp to assist you better

**9922710710**

(OR) Call on Toll Free Number:

**1800 123 4443**