



Enriching Lives

# JALHASTI-I

## 1.0 HP MINI SERIES PUMP



Gardens & fountains



Feed water to RO plants



Domestic water supply



Construction sites



Overhead tanks in bungalows



Car washing



Lawn sprinklers



**CED Coating**

Provides superior resistance against corrosion



**Thermal Overload Protector (TOP)**

Prevents the motor from burning due to overloading



**Wide Voltage Range Operability**

Protects the motor from burning due to lower/higher voltage



**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

# JALHASTI-I

## 1.0 HP MINI SERIES PUMP

### Applications

- Gardens and fountains
- Domestic water supply
- Construction sites
- Feed water to RO plants
- Water supply to overhead tanks in bungalows
- 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.
- **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.
- **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.
- **Wide Voltage Range:** The motor is designed to withstand wide voltage variation from 180 to 260 volts 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.
- **Light weight & Compact Design.**

### Technical Specifications

Model	Jalhasti-I (Gold)
Head Range	6-50m
Capacity Range	4280 to 1000 LPH
Power Rating	0.75 kW/1.0 HP
Phase	Single
Voltage Range	180-260 (Volts)
Insulation	'F' Class

### Material of Construction

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

PERFORMANCE CHART FOR JALHASTI-I, MINI PUMP, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY

Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	Total Head in Meters																	
	kW	HP	Suc.	Del.		6	10	12	14	18	20	22	24	26	28	30	32	34	38	40	42	48	50
Jalhasti-I (Gold)	0.75	1.0	25	25	230	4280	3975	3835	3705	3385	3240	3095	2950	2805	2665	2520	2375	2195	1870	1725	1585	1150	1000

Note: Performance under standard test conditions. Performance applicable to liquid of specific gravity 1 and viscosity as of water.

## KIRLOSKAR BROTHERS LIMITED

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FOR SERVICE OF PUMPS

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