



Enriching Lives

# AARNA

## 0.5 HP MINI PUMP



Gardens & fountains



Feed water to RO plants



Domestic water supply



Construction sites



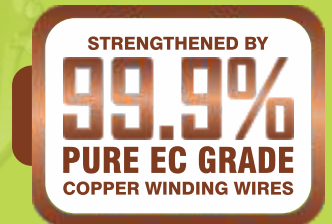
Overhead tanks in bungalows



Car washing



Lawn sprinklers



### 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

BUY ELECTRIC PUMPS WITH PURE COPPER WINDING WIRES ONLY. ENQUIRE BEFORE BUYING.



# ALWAYS BUY PUMPS WITH



Enriching Lives

and



# LOGOS ON PACKAGING

# AARNA

## 0.5 HP MINI PUMP

### TECHNICAL SPECIFICATION

Head Range	- 6 to 21 Meters
Capacity Range	- 1980 to 680 LPH
Power Rating	- 0.37 kW / 0.5 HP
Phase	- Single
Voltage Range	- 180 to 260 Volts
Insulation	- B CLASS

### MATERIAL OF CONSTRUCTION

Impeller	- Brass
Delivery Casing	- Cast Iron
Motor Body	- Aluminium
Pump Shaft	- Carbon Steel
Cover NDE	- Aluminium
Seal	- Carbon Vs Ceramic

### APPLICATIONS

- Water supply to overhead tanks in bungalows
- Gardens / Fountains
- Feedwater to RO plants
- Domestic water supply
- Construction sites
- Car washing
- Lawn sprinklers

### FEATURES

#### Cathodic Electro Deposition (CED) Coating

CED is the latest coating technology for corrosion resistance with a uniform coating. It provides 5 times more protection over conventional painting, resulting in longer life. All major CI parts of Kirloskar pumps coming in contact with the water are CED coated.

#### Advanced Electrical Design

Lesser current for same output (compared to any other similar products)

#### Wide Voltage Range Operability

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.

#### Lightweight and Compact Design

It allows users to carry the pump anywhere with ease, adding to its portability and convenience of use.

#### High Suction Lift

The pump has a suction lift capacity of up to 7.5 meters.

#### Enhanced Safety Features

All electrical parts of the pump are covered, which makes it safer to use.

#### Dynamically Balanced Rotating Parts

Minimum vibration protect components from damage during the operation, thus ensuring consistent performance as concentricity is maintained.

#### TOP - Thermal Overload Protector

The pump set features a Thermal Overload Protector that protects the motor from overloading, shielding of the motor and associated circuit from the effects of fault current

#### 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.

### PERFORMANCE CHART OF AARNA MINI PUMP, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY

S. No.	Pump Model	Power Rating		Pipe Size (mm)		Current (Amps)	Rated Voltage (Volts)	TOTAL HEAD IN METERS				
		kW	HP	SUC.	DEL			6	10	14	18	21
								DISCHARGE IN LPH				
1	AARNA - II	0.37	0.5	25	25	2	220	1980	1615	1290	1005	680

#### Note:

- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.

**KIRLOSKAR BROTHERS LIMITED**

Established 1888

A Kirloskar Group Company



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