

**No. 1**  
IN OIL FILLED MOTORS



*Water from any depth...  
...to any height*



**ARVIND V3 Submersible Pumpset**  
(Suitable for 75 mm Borewell diameter)



V 3

**Salient Features :**

**MOTOR :**

- Single Phase and Three Phase oilfilled and water filled motors
- Noiseless, easily rewindable and energy efficient motors
- Stainless steel motor body
- Can withstand wide voltage fluctuation
- Better low voltage performance in oil filled motors

**PUMP :**

- Centrifugal multistage pump
- Diffusers and impellers are made of virgin, glass filled engineering plastic which gives better wear resistance against sand
- stainless steel jacket

**SPECIFICATIONS :**

- Bore well diameter : Minimum 100 mm required
- Capacity : Up to 400 LPM
- Head : Up to 275 meters
- Out let size : 32 mm, 38 mm, 50mm
- Motor rating : Single Phase : 0.33 KW to 2.2 KW (0.5 HP to 3.0 HP)  
Three Phase : 0.5 KW to 3.7 KW (0.75 HP to 5.0 HP)
- Power supply : Single Phase : 220 V, AC 50 Hz  
Three Phase : 415 V, AC, 50 Hz

**APPLICATION :**

Domestic water supply, Farm house, Industry, Drip irrigation, Fire fighting, High rise building

**We can also supply :**

- Pumpsets with all stainless steel parts
- Stainless steel fabricated impeller and diffuser
- NEMA coupling
- Motors suitable for 60 Hz and 100 V/220 V power supply
- Only Motors

**ARVIND V6 Submersible Pumpset**  
(Suitable for 150 mm Borewell diameter)



V 6

**Salient Features :**

**MOTOR :**

- Single Phase oilfilled and water filled motors
- Noiseless, easily rewindable and energy efficient motors
- Stainless steel motor body
- Can withstand wide voltage fluctuation

**PUMP :**

- Centrifugal multistage pump
- Diffusers and impellers are made of virgin, glass filled engineering plastic which gives better wear resistance against sand
- stainless steel jacket

**SPECIFICATIONS :**

- Bore well diameter : Minimum 75 mm required
- Capacity : Up to 4000 LPH
- Head : Up to 75 meters
- Out let size : 25, 32 mm
- Motor rating : 0.33 KW to 0.75 KW (0.5 HP to 1.0 HP)
- Power supply : 220 V, AC 50 Hz

**APPLICATION :**

Domestic water supply, Farm house, Industry

**We can also supply :**

- Pumpsets with all stainless steel and electroless nickel plated parts
- Pumps suitable for 72 mm borewell diameter
- Only Motors

**ARVIND V4 Submersible Pumpset**  
(Suitable for 100 mm Borewell diameter)



V 4

**Salient Features :**

**MOTOR :**

- Three phase oilfilled and water filled motors
- Noiseless, easily rewindable and energy efficient motors
- Stainless steel motor body
- Can withstand wide voltage fluctuation
- Special thrust bearing design for minimum friction.

**PUMP :**

- Centrifugal multistage pump with radial and mixed flow impellers
- Good quality parts ensures better wear resistance against sand
- Impellers are available with SS fabricated, gun metal, SS cast and aluminium bronze materials.

**SPECIFICATIONS :**

- Bore well diameter : Minimum 150 mm required
- Capacity : Up to 1250 LPM
- Head : Up to 275 meters
- Out let size : 50 mm, 65 mm, 75 mm, 100 mm
- Motor rating : 2.2 KW to 15.0 KW (3.0 HP to 20.0HP)
- Power supply : 415V, AC, 50 Hz

**APPLICATION :**

Irrigation, Housing colony, Urban and Rural water supply, Farm house, Industry, High rise building

**We can also supply :**

- Motors with all stainless steel parts
- Pumps suitable for 175 mm and 200 mm borewell diameter
- NEMA coupling
- Motors suitable for different supply voltage and frequency
- Combination of V6 motor with V7 or V8 Pump
- Only Motors



**V8 & V10**

## **ARVIND V8 & V10 Submersible Pumpset** (Suitable for 200 mm Borewell diameter)

### **Salient Features :**

#### **MOTOR :**

- Three Phase water filled motors
- Noiseless, easily rewindable and energy efficient motors
- Stainless steel motor body
- Can withstand wide voltage fluctuation
- Special thrust bearing design for minimum friction.

#### **PUMP :**

- Centrifugal multistage pump with radial and mixed flow impellers
- Good quality parts ensures better wear resistance against sand
- Impellers are available with SS fabricated, gun metal, SS cast and aluminium bronze materials.

#### **SPECIFICATIONS :**

- Bore well diameter : Minimum 200 mm required
- Capacity : Up to 2100 LPM
- Head : Up to 300 meters
- Out let size : 75 mm, 100 mm, 125 mm, 150 mm
- Motor rating : 7.5 KW to 30.0 KW (10.0 HP to 50.0HP)
- Power supply : 415V, AC, 50 Hz

#### **APPLICATION :**

Irrigation, Housing colony, Urban and Rural water supply, Farm house, Industry, High rise building

#### **We can also supply :**

- Motors with all stainless steel parts
- NEMA coupling
- Motors suitable for different supply voltage and frequency

## **ARVIND SELF PRIMING ALUMINUM BODY PUMPS**

### **Salient Features :**

#### **MOTOR :**

- Aluminium extruded body for better Heat dissipation
- Ability to withstand wide voltage fluctuations (160 Volts to 240 Volts)
- Mechanical seal & genuine sealed bearings for long life.
- Pressure Die Cast Rotor.
- Capacitor Start and Run.
- Ground and Balanced Stainless Steel Shaft .
- Class "E" Insulation.

#### **PUMP :**

- Gun Metal impeller.
- High quality of mechanical seal to prevent water leakage.

#### **SPECIFICATIONS :**

- Capacity : Up to 3300 LPH
- Head : Up to 40 meters
- Out let size : 25 mm
- Motor rating : 0.33 KW & 0.75 KW (0.5 HP & 1.0 HP)
- Power supply : Single Phase : 220V, AC 50Hz

#### **APPLICATION :**

Domestic Water Supply



**Self Priming**

## **ARVIND OPEN WELL SUBMERSIBLE MONOBLOCK PUMPS (SINGLE/THREE PHASE HORIZONTAL TYPE)**

### **GENERAL**

These Pumps are single stage centrifugal pumps which run on single phase or three phase power supply. These pumps are ideally suitable for Open Wells and lifting water from Under Ground Water Tanks. These types of pumps work under water and rest at the bottom of Well/Tank, therefore suction and priming problems do not arise. Pump's motor is rewindable.

### **APPLICATIONS**

- Irrigation for fields, farms, industries, Dairies, Hospitals and Building, Fountains etc.

### **SPECIFICATIONS**

- Capacity : Up to 300 LPM
- Head : Up to 55 meters
- Out let size : 25, 38, 50, 75, 100 mm
- Motor rating : Single Phase : 0.33 KW & 2.2 KW (0.5 HP & 3.0 HP)  
Three Phase : 0.5 KW to 7.5 KW (0.75 HP to 10.0 HP)
- Power supply : Single Phase : 220V, AC 50Hz  
Three Phase : 415V, AC, 50Hz

### **APPLICATION :**

Domestic Water Supply, Irrigation, Farm House



**Open well pumps**



## ARVIND CENTRIFUGAL MONOBLOCK PUMPS

### Salient Features :

#### MOTOR

- Special design to ensure low power consumption and trouble free operation.
- The Motor withstands wide voltage fluctuations from 180 Volts to 240 Volts.
- Rotor is dynamically balanced.
- Pressure Die Cast Rotor.
- High torque Capacitor Start Motor.
- In all models Ground and Balanced Shaft of Stainless Steel is used.

#### PUMP

- High quality mechanical seal is used to prevent water leakage.
- Unmatched suction performance.
- Good quality foot valve must be used for trouble free performance.

#### SPECIFICATIONS

- Capacity : Up to 2500 LPM
- Head : Up to 50 meters
- Out let size : 25, 32, 38, 50, 75, 100 mm
- Motor rating : Single Phase : Up to 1.5 KW (2.0 HP)  
Three Phase : Up to 7.5 KW (10.0 HP)
- Power supply : Single Phase : 220V, AC 50Hz  
Three Phase : 415V, AC, 50Hz



**Mono block**

## ARVIND Energy efficient AC Squirrel Cage Induction Motors

### Salient Features :

- EC grade aluminium die-cast rotor
- Vacuum Pressure impregnation for stator windings besides strengthening the insulation helps effective heat transfer for cooler motor. In the process motor winding is capable of withstanding higher vibration levels and frequent switching. Cooler motor provides additional safety margin against momentary and sustained over loads during operation
- Aluminium extruded and die - cast body up to frame sizes 90L and Cast Iron body for other frame sizes with integral cooling fins. All end covers are made of Cast Iron.
- Motors provided with good quality double side seals deep groove ball bearings.

#### SPECIFICATIONS :

- Motor Rating : 0.18 KW to 18.5 KW (0.25 hp to 25.0 hp)
- Frame size : Up to 160 M
- Pole : 2, 4, 6, 8
- Speed : 3000, 1500, 1000, 750 RPM



**Induction Motor**



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