

**Energy Efficient** Pumping Solutions  
with **High Water Discharge** for  
Agricultural & Domestic Applications



Enriching Lives



Introducing

**JOS**

**Ultra**

**OPENWELL SUBMERSIBLE PUMP**

3.0 HP TO 10.0 HP



STRENGTHENED BY  
99.9%  
PURE EC GRADE  
**COPPER WINDING  
WIRES**



Highly-efficient,  
Energy-saving Design



Wide Voltage Range  
Operability



Advance Water Cooled  
Motor Design



Dynamically Balanced  
Rotating Parts Ensuring  
Lesser Vibrations



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

**ALWAYS BUY PUMPS WITH**

**and**



**LOGOS ON PACKAGING**



Enriching Lives

## JOS <sup>Ultra</sup> OPENWELL SUBMERSIBLE PUMP

### TECHNICAL SPECIFICATION

|                    |                                   |
|--------------------|-----------------------------------|
| Head Range         | - Up to 64 Meters                 |
| Discharge Range    | - Up to 22 LPS                    |
| Power Rating       | - 2.2 to 7.5 KW (3.0 to 10.0 HP)  |
| Voltage Range*     | - 200 to 440 Volts (Three Phase)* |
| Insulation         | - PP                              |
| Ingress Protection | - IP68                            |

### MATERIAL OF CONSTRUCTION

|             |                        |
|-------------|------------------------|
| Pump Casing | - Cast Iron            |
| Impeller    | - Cast Iron            |
| Adaptor     | - Cast Iron            |
| Cover NDE   | - Cast Iron            |
| Shaft       | - Stainless Steel 410  |
| Oil Seal    | - Nitrile butyl Rubber |
| Diaphragm   | - Nitrile butyl Rubber |

### APPLICATIONS

- Irrigation in horticulture & agriculture
- Sprinkler and drip irrigation
- Water supplies for high rise building
- Rural water supply
- Domestic and community water supply

### FEATURES

#### Wide Voltage Design:

The motor is designed to withstand wide voltage variations which reduces the chances of motor burning at low voltage.

#### Design to Prevent Overloading:

Lesser chances of motor burning even if the pump operates at lower head than recommended as motor does not get overload thus ensures substantial saving from maintenance cost and breakdown.

#### High Efficiency and Energy Saving Design:

Innovative design that delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

#### Dynamically Balanced Rotating Parts:

Minimum vibration protects components from damage during the operation, thus ensures consistent performance over longer time period as concentricity is maintained.

#### Advanced Water Cooled Motors Designs:

The motor is filled with potable water, protects from overheating and facilitates smoother and trouble free operation for the years.

#### Wide Voltage Motor Designs:

Motors are designed with extra overload capacities, more water spaces and engineered with high grade materials to performs well in low voltage with minimum discharge drops and suitable for wide voltage applications.

#### 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 Head Applications:

The pump has been designed to deliver large volumes of water for high head applications, helping customers to achieve high turnaround time and productivity.

**PERFORMANCE CHART FOR JOS ULTRA SERIES, 2 POLE, OPENWELL PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY**

| Sr. No | Pump Model     | Power Rating |     | Pipe Size (mm) |      | Rated Voltage (Volts) | TOTAL HEAD IN METERS           |      |      |      |      |      |      |      |     |      |      |     |      |     |     |     |
|--------|----------------|--------------|-----|----------------|------|-----------------------|--------------------------------|------|------|------|------|------|------|------|-----|------|------|-----|------|-----|-----|-----|
|        |                |              |     |                |      |                       | 10                             | 12   | 14   | 16   | 18   | 20   | 22   | 24   | 26  | 28   | 30   | 32  | 34   | 36  | 38  | 40  |
|        |                | kW           | HP  | SUC.           | DEL. |                       | DISCHARGE IN LITRES PER SECOND |      |      |      |      |      |      |      |     |      |      |     |      |     |     |     |
| 1      | JOS ULTRA-330  | 2.2          | 3   | 65             | 50   | 380                   |                                | 14   | 13.5 | 12.5 | 11.5 | 10.5 | 9    | 7.5  | 6   | 4    |      |     |      |     |     |     |
| 2      | JOS ULTRA-335  | 2.2          | 3   | 50             | 40   | 380                   |                                |      |      |      |      |      |      |      | 5.8 | 5.4  | 4.8  | 4.2 | 3.2  | 2.2 |     |     |
| 3      | JOS ULTRA-531  | 3.7          | 5   | 65             | 65   | 380                   |                                |      | 15   | 14.5 | 13.5 | 13   | 12   | 11   | 10  | 9    | 7    | 5   |      |     |     |     |
| 4      | JOS ULTRA-540  | 3.7          | 5   | 65             | 50   | 380                   |                                |      |      |      |      |      | 12   | 11.6 | 11  | 10   | 9    | 8   | 7    | 5   | 3   |     |
| 5      | JOS ULTRA-835  | 5.5          | 7.5 | 80             | 65   | 380                   |                                |      | 22   | 21   | 20.5 | 20   | 19.5 | 19   | 18  | 17   | 15.5 | 14  | 12   | 9.5 | 3   |     |
|        |                |              |     |                |      |                       | 16                             | 18   | 20   | 22   | 24   | 28   | 30   | 32   | 36  | 38   | 40   | 42  | 44   | 46  | 48  | 52  |
| 6      | JOS ULTRA-854  | 5.5          | 7.5 | 65             | 50   | 380                   | 17                             | 16.5 | 16.3 | 16   | 15.5 | 14.5 | 14   | 13.5 | 12  | 11.5 | 11   | 10  | 9    | 8   | 7   | 3   |
|        |                |              |     |                |      |                       | 32                             | 33   | 34   | 35   | 36   | 37   | 38   | 39   | 40  | 41   | 42   | 43  | 44   | 45  | 46  | 47  |
| 7      | JOS ULTRA-1045 | 7.5          | 10  | 80             | 65   | 380                   | 21                             | 20   | 19.5 | 19   | 18   | 17   | 16.5 | 15.5 | 15  | 14   | 13   | 12  | 10.5 | 9.5 | 7.5 | 5.5 |
|        |                |              |     |                |      |                       | 28                             | 30   | 32   | 34   | 36   | 38   | 40   | 42   | 44  | 46   | 48   | 50  | 52   | 56  | 60  | 64  |
| 8      | JOS ULTRA-1065 | 7.5          | 10  | 65             | 50   | 380                   |                                |      |      | 9.8  | 9.5  | 9    | 8.6  | 8.3  | 8   | 7.8  | 7.5  | 7.2 | 6.7  | 6   | 4.8 | 3.6 |

\*Under ideal condition with suitable cable size. #Voltage range for 10 HP models is 300 to 440 Volts.

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