

## MONOSUB RV / RVE

Openwell multistage submersible  
monobloc pumpsets in vertical execution



# MONOSUB RV / RVE – Openwell multistage submersible monobloc pumpsets in vertical execution

Centrifugal, multistage, monobloc pumpsets in vertical execution - MONOSUB RV are designed for wide range of applications in open water sources such as well, canal etc.

- Re-windable motor withstands high voltage fluctuations.
- Hydraulics designed using German technology.
- Dynamically balanced rotor for vibration free and noiseless operations.
- Use of best quality materials like Copper/Aluminum for rotor, high grade Stainless Steel (1Ø) / Cast Iron (3Ø) for hydraulic components, Polywrap stator.
- Water lubricated radial and thrust bearings designed to withstand axial thrust for minimum wear and tear of rotating components.
- Sealing hydraulic chambers with high quality rubber components and in motor components using oil seal.
- Compact and easy to handle design allows quick installation at site.

All this to ensure not only long life but also value for your money !.

## Material of construction

Part name	1Ø	3Ø
Stage casings	Stainless Steel	Cast Iron
Impellers	Stainless Steel	Cast Iron
Suction Casing	Cast Iron	Cast Iron
Adaptor / Bracket	Cast Iron	Cast Iron
Rotor	Aluminium	Copper
Rotor Shaft	Chrome Steel	Chrome Steel
Stator	Polywrap	Polywrap
Stator Jacket	Stainless Steel	Cast Iron
Radial bearings	Bronze	Bronze
Thrust bearings	Carbon	Carbon

## Operating range

Model MRV (S)	Flow range	Head range	Motor rating kW (HP)
25	0.5-3.9	65-28	0.37-0.75 (0.5-1)
50	2.1-7.2	72-23	0.37-1.5 (0.5-2)
80	4.5-12	51-12	0.55-1.5 (0.75-2)

Model MRV (T) / MRVE (T)	Flow range	Head range	Motor rating kW (HP)
150A	9-24	116-56	2.2-7.5 (3-10)
150	10-27	148-72	2.2-9.3 (3-12.5)
250A	14-40	95-38	2.2-7.5 (3-10)
250	15-45	120-48	3.7-11 (5-15)
400A	27-55	91-47	5.5-11 (7.5-15)
400	30-60	100-52	3.7-15 (5-20)
600	50-90	81-36	5.5-16.8 (7.5-22.5)

## Operating data :

Flow capacity : Up to 85000 lph

Head : Up to 150 m

## Motor : 50Hz

1Ø, 220 V (±6%), available up to 1.5 kW (2 hp)

3Ø, 400 V (+6%, -15%), available up to 16.8 kW (22.5 hp)

## Method of starting :

1Ø : DOL

3Ø up to 5.5 kW : DOL, 7.5 kW and above : S/D

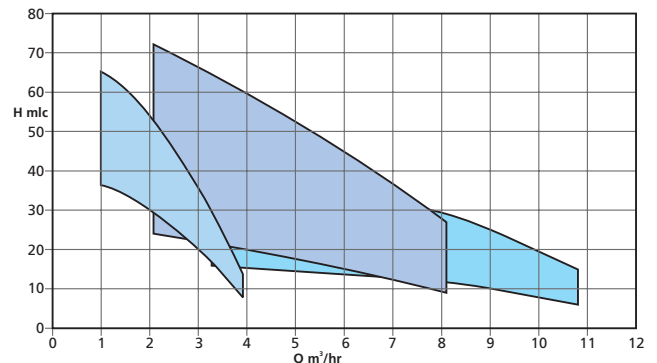
Degree of protection : IP 68

## Applications

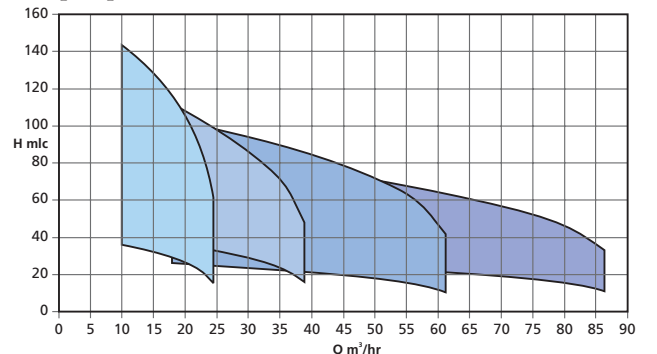
- Flood irrigation through Openwell & Dugwells
- Irrigation through sprinklers and drip systems
- Community water supply
- Water supply to bungalows & high rise buildings
- Household water supply
- Industrial water supply
- Cooling circuits in HVAC
- Decorative fountains
- De-watering of storm water in basement

## Selection Chart

### 1 Ø pumpsets



### 3 Ø pumpsets



Subject to technical modification without prior notice.



**KSB Pumps Limited**  
Water Pumps Division

Plot No. E3 & E4, MIDC Sinnar, Nashik 422 113.

Tel.: +91-2551-230252 / 253, 229700 Fax : +91-2551-230254 www.ksbindia.co.in