



Smart solutions.  
Strong relationships.

## VERTICAL OPENWELL SUBMERSIBLE PUMPSETS



### Features:

- No suction problem; No water level guard required.
- Easy to install as pump set rest at the bottom of penwell and installation does not require foundation and pump house.
- Motor is also designed to withstand overload due to maximum fluctuating water level.
- These pumps being multistage in construction are ideally suited for high head applications.
- Rotors and Impellers are dynamically balanced to ensure vibration free performance and enhanced life.
- High operating efficiency.
- Stainless steel shaft and sleeves are used for longer life and anti corrosion resistance.

### Application:

- Sprinkler & Drip Irrigation
- Pumping from in-well bores
- Pumping from sumps for high rise buildings and industries
- River and canal lift irrigation
- Open well pumping for agriculture and irrigation.

### Material of Construction

Sr No.	Pump Component	Material
1	Shaft	Stainless Steel
2	Impeller	Cast Iron
3	Motor Body	Cast Iron
4	Diffuser	Cast Iron
5	Thrust Pad	Carbon Fibre
6	Bush	Bronze
7	Oil Seal	Rubber

### TECHNICAL SPECIFICATION OF VERTICAL OPENWELL SUBMERSIBLE PUMPSET

TYPE	VOS Series	LVO Series
RATED VOLTAGE	415	350
VOLTAGE RANGE	350-440	250-400
FREQUENCY (Hz.)	50	50
Duty	S1	S1
Output kw	2.2 to 7.5	2.2 to 3.7
Output HP	3 to 10	3 to 5
Speed ( rpm )	2800	2800
Connection	Upto 5 HP-DOL, 7.5 HP & above - STAR DELTA	Upto 5 HP-DOL
Pipe Size : Suc. X Del. ( mm )	65	65
No.of Stages	2 to 6	2 to 3

**Approximate Performance Chart for Vertical Openwell Submersible Pumpsets at 415Volts, 50Hz, AC Supply**

MODEL	Stages	Del. Pipe Size	Motor Rating	DISCHARGE IN LPM							
			KW/HP	200	300	400	500	600	700	800	900
				<b>TOTAL HEAD IN METERS</b>							
VOSB 0502	2	65	3.7/5.0		38	35	31	26	20	13	10
VOSB 7503	3	65	5.5/7.5		57	52.5	46.5	39	30	19.5	15
VOSB 1004	4	65	7.5/10.0		76	70	62	52	40	26	20
VOSC 0302	2	65	2.2/3.0	32	30	24	18	12	5		
VOSC 0503	3	65	3.7/5.0	47	43	36	32	25	14		
VOSC 7504	4	65	5.5/7.5	64	60	48	36	24	10		
VOSC 1006	6	65	7.5/10.0	96	90	72	54	36	15		

**Approximate Performance Chart for Vertical Openwell Submersible Pumpsets at 350Volts, 50Hz, AC Supply**

MODEL	Stages	Del. Pipe Size	Motor Rating	DISCHARGE IN LPM							
			KW/HP	200	300	400	500	600	700	800	900
				<b>TOTAL HEAD IN METERS</b>							
LVO2L32TAA-65	2	65	2.2/3.032		25	20	10	5			
LVO2L52TAA-65	2	65	3.7/5.038		32	30	25	13	10	6	
LVO3L52TAA-65	3	65	3.7/5.027		40	28	20	11			