

## VIRA SEWAGE SUBMERSIBLE PUMP



### SERIES: "VS"

VIRA Sewage Submersible Pumps are designed for pumping Raw Sewage, Sludge, and Effluents including liquids containing large proportion of solid or fibrous matter. High efficiency motor ensures low cost operation and better life.

## TECHNICAL SPECIFICATION

Motor	: Four/Six Pole Squirrel Cage Sub. Type Continuous Duty Induction Motor
Speed	: 1450 RPM / 950 RPM
Connection	: DOL/ STAR-DELTA / ATS
Temp.	: Ambient (Also available for higher temp.)
Voltage	: 415 V, 3 Ph, 50 Hz. (Optional Available)

## MATERIAL OF CONSTRUCTION

Motor Body	: C.I. IS 210 FG 260
Pump Casing	: C.I. IS 210 FG 260
Shaft	: S.S. 410
Impeller	: C.I. IS 210 FG 260
Fasteners	: S.S. 202
Cable	: PVC Insulated Double Sheathed Copper Conductor Round Flexible Cable
Mechanical seal:	Sic. Vs. Sic & C. Vs. Sic.

## SALIENT FEATURES

- Heavy Duty Cast Iron / Single Vane Non-Clog Semi Open Impeller to pass large size of solids with better efficiency
- Heavy Duty Cast Iron Volute type casing for maximum efficiency
- Designed for continuous operation
- Heavy Duty motor design ensure better life and sturdiness
- Motors are supplied with Temp. Sensors in Winding & Moisture Sensors in Oil Chamber
- Portable / Fixed Installation

## AVAILABLE ON REQUEST

- Optional MOC of S.S./ Bronze

## APPLICATION

- Sewage System
- Flood & Pollution Control
- Industrial Dewatering
- Waste Water Treatment Plants
- Municipal Sewage Pumping for removal of unscreened sewage stations



## PERFORMANCE TABLE (SPEED 1450 RPM)

Model	H.P.	Del. Size	Solid Size		Head in Meter											Shut Off		
					2	4	6	8	10	12	14	16	18	20	22		24	
VS 302	2.0	50	30	Discharge in LPM	570	480	390	300	200	70							13	
VS 405	5.0	65	30			800	750	690	650	590	530	450	375	290	180	60	25	
VS 407.5	7.5	65	30			1150	1080	1025	960	900	840	710	680	540	490	350	210	28
VS 4010	10.0	65	30			1330	1270	1200	1125	1080	1000	910	830	750	670	580	480	31
VS 853	3.0	100	85			1410	1260	1050	800	450								12
VS 855	5.0	100	85			1800	1650	1500	1320	1100	800	520	120					17
VS 857.5	7.5	100	85					2125	1900	1600	1250	850	400					17
VS 8510	10.0	100	85				2600	2475	2325	2100	1800	1375	750					18
VS 8512.5	12.5	100	85				3375	3187	2963	2700	2400	2000	1500	937	300			21
VS 8515	15.0	100	85				3750	3550	3300	3000	2700	2350	1950	1470	900	300		23
VS 10012.5	12.5	150	100				4200	3700	3150	2500	1800	1000						16
VS 10015	15.0	150	100				5187	4750	4350	3700	3000	2125	1250	375				19
VS 10020	20.0	150	100				6000	5625	5125	4625	4100	3500	3000	2312	1625	875		24

Model	H.P.	Del. Size	Solid Size		Head in Meter										Shut Off			
					6	8	12	16	20	24	28	32	36	40		45	50	
VS 607.5	7.5	80	60	Discharge in LPM	1410	1335	1155	915	600								24	
VS 6010	10.0	80	60			1590	1500	1350	1140	900	600	150						29
VS 6012.5	12.5	80	60				1800	1600	1440	1240	1000	700	280					34
VS 6015	15.0	100	60				2000	1825	1600	1350	1050	250						29
VS 6020	20.0	100	60				2250	2100	1975	1800	1575	1200	550					35
VS 6025	25.0	100	60			2640	2580	2460	2280	2100	1860	1560	1200	780				40
VS 6030	30.0	100	60			2940	2880	2760	2580	2400	2160	1920	1600	1200	720			45
VS 6035	35.0	100	60			3225	3150	3000	2850	2700	2475	2250	2025	1725	1350	750		50
VS 10025	25.0	150	100			5437	5125	4375	3500	2250	600							25
VS 10030	30.0	150	100			5937	5687	5062	4350	3125	1625							28
VS 10035	35.0	150	100			6500	6250	5625	4875	4000	3000	1600						32
VS 20050	50.0	200	100			15500	15800	11250	8560	7500	3500							30

NOTE: Performance May Vary Depending Upon Voltage, Frequency and Field Conditions



## PERFORMANCE TABLE (SPEED 1450 RPM)

Model	H.P.	Del. Size	Solid Size	Discharge in LPM	Head in Meter											Shut Off		
					7	10	15	20	25	30	35	40	45	50	55		60	
VS 10040	40.0	150	100	Discharge in LPM	6500	6100	5300	4400	3200	2000	700						37	
VS 10050	50.0	150	100			6500	6000	5200	4400	3500	2400	1200						45
VS 10060	60.0	150	100				6500	6000	5500	5000	4400	3800	3000	2250	1250			60
VS 12540	40.0	200	100			7500	6750	5325	3750	750								26
VS 12550	50.0	200	100			8250	7650	6750	5250	3000								30
VS 12560	60.0	200	100			9500	8875	8250	7250	8575	3750	1250						37
VS 12580	80.0	200	100				10000	9000	7750	6500	5000	3375	1500	3300	1500			45
VS 125100	100.0	200	100				10200	9600	8850	7950	7150	6000	4500					55
VS 15080	60.0	250	125			13500	12500	11250	8750	6250	2500							32
VS 15080	80.0	250	125			14000	13250	12125	10875	9250	6625	2500						37
VS 150100	100.0	250	125			14250	13950	13200	12000	10500	9000	6000	3000					43
VS 20080	80.0	300	125			17700	16500	14700	12000	7500								30
VS 200100	100.0	300	125			19500	18750	16800	15000	12000	7500							35

NOTE: Performance May Vary Depending Upon Voltage, Frequency and Field Conditions

