

Legacy of Excellence

VISHNU[®]
PUMPS & MOTORS

Bringing you the flow of growth...



V6

**Water Filled Borewell
Submersible Pumpsets**

VSP6WMF/VSP6WMFH/VSP6WRF/
VSP6WRFH series

Description

Vishnu's Submersible motors are made out of premium quality of raw material and workmanship to ensure that pump is energy efficient, reliable and has a very long service life with negligible repairing.

Vishnu's Submersibles Pump sets are manufactured as per IS : 8034 & IS : 9283 strict quality control for year of efficient & reliable operation.

All parts are manufactured and fitted precisely using CNC machine that imparts excellent mechanical strength and reliability.

Salient Features

- ▶ All components are manufactured from materials as per Indian Standard Specifications. They are precisely machined on modern machines, Including CNC machines to give you years of reliable operation.
- ▶ Submersible motors are easily re-windable using multi layer PVC insulated wire for better reliability.
- ▶ The motors are designed to start at low voltage & working in a wide voltage fluctuation.
- ▶ Self-aligned carbon Stainless steel thrust bearing which withstands high axial thrust load in water lubrication.
- ▶ Motors have well designed sleeve and thrust bearings for longer life.
- ▶ Motor Stator & Rotor are vacuum impregnated and coated properly to ensure corrosion resistance.
- ▶ High operating efficiencies of pumpset result into high water discharge rate and lower power consumption.
- ▶ All rotating components and assemblies are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- ▶ Superior designed cast iron/SS impellers and diffusers give higher hydraulic performance and greater efficiency and provide higher resistance against wear and tear from sand and other impurities.
- ▶ The Pumpsets are compact and slim and can be easily installed in narrow wells.

Material of Construction

Motor Body	Stainless Steel
Stator	Vacuum Impregnated and epoxy coated for corrosion resistance. Thick end laminations are provided to protect motor windings
Rotor	Vacuum impregnated, Epoxy coated for corrosion resistance & dynamically balanced for vibration free smooth operation
Windings	PVC / Polyester insulated, water cooled
Bushes	Leaded Bronze / Nitrile Rubber and Stainless Steel, Water Lubricated, having high load bearing capacity
Thrust Bearings	Carbon Vs. Steel segment special self-aligning and water lubricated to withstand high axial thrust loads
Pressure Equalizing Diaphragm	Adequately sized to accommodate expansion of water inside the motor and prevent loss of cooling water
Impeller	High quality abrasion resistant Stainless Steel & dynamically balanced
Bowl	High grade Cast Iron/Stainless Steel Investment Casted
Wear Rings	High quality abrasion resistant Bronze/Nitrile Rubber
Shaft	Stainless Steel of adequate diameter to ensure rigidity and ground to close tolerances
Suction Casing	Provided with perforated Stainless Steel Strainer and adequately sized to allow the water to be sucked in with minimum friction
Cable Sealing	Designed so that no borewell water with sand can enter the motor

Application

Irrigation in horticulture & agriculture | Domestic and community water supply
 Sprinkler and drip irrigation | Rural water supply | Ground water supply to water works

V6 TP 150MM WATER FILLED S S FABRICATED SUBMERSIBLE PUMPSET

MIX FLOW SS 304 BOWL-IMPELLER BOREWELL PUMPSET, MIN. BORE DIA 150 MM

PERFORMANCE AT 415 VOLTS, 3-PHASE , 50 HZ, A.C. SUPPLY

VSP6W-SS17 SERIES		OUTLET SIZE :- 65MM		(MIX FLOW TYPE)							
MODEL	MOTOR RATING		STAGE	Head in meter	DISCHARGE IN lpm						
	kW	H.P.			0	159	204	265	318	342	379
VSP6WSS17/4	2.20	3.0	4		45	42	39	35	32	26	22
VSP6WSS17/5	3.00	4.0	5		56	53	49	44	40	33	28
VSP6WSS17/6	3.70	5.0	6		67	64	59	53	48	40	34
VSP6WSS17/7	3.70	5.0	7		78	74	69	62	56	46	39
VSP6WSS17/8	3.70	7.5	8		90	85	78	70	64	53	45
VSP6WSS17/9	5.5	7.5	9		101	95	88	79	72	59	50
VSP6WSS17/10	5.5	7.5	10		112	106	98	88	80	66	56
VSP6WSS17/11	7.5	10.0	11		123	117	108	97	88	73	62
VSP6WSS17/12	7.5	10.0	12		134	127	118	106	96	79	67
VSP6WSS17/13	7.5	10.0	13		146	138	127	114	104	86	73
VSP6WSS17/14	9.3	12.5	14		157	148	137	123	112	92	78
VSP6WSS17/15	9.3	12.5	15		168	159	147	132	120	99	84
VSP6WSS17/16	9.3	12.5	16		179	170	157	141	128	106	90
VSP6WSS17/20	11.0	15.0	20		224	212	196	176	160	132	112
VSP6WSS17/24	13.0	17.5	24		269	254	235	211	192	158	134
VSP6WSS17/27	15.0	20.0	27		302	286	265	238	216	178	151
VSP6WSS17/32	18.5	25.0	32		358	339	314	282	256	211	179

VSP6W-SS30 SERIES		OUTLET SIZE :- 75MM		(MIX FLOW TYPE)							
MODEL	MOTOR RATING		STAGE	Head in meter	DISCHARGE IN lpm						
	kW	H.P.			0	289	351	415	480	547	657
VSP6WSS30/2	2.20	3.0	2		22	20	18	17	15	13	10
VSP6WSS30/3	3.00	4.0	3		34	31	28	26	23	20	15
VSP6WSS30/4	3.70	5.0	4		45	41	37	35	31	27	20
VSP6WSS30/5	5.50	7.50	5		56	51	46	43	39	33	26
VSP6WSS30/6	5.50	7.50	6		67	61	55	52	46	40	31
VSP6WSS30/7	7.50	10.00	7		79	72	65	60	54	46	36
VSP6WSS30/8	7.50	10.00	8		90	82	74	69	62	53	41
VSP6WSS30/9	9.30	12.50	9		101	92	83	78	70	60	46
VSP6WSS30/10	9.30	12.50	10		112	102	92	86	77	66	51
VSP6WSS30/11	9.30	12.50	11		124	112	101	95	85	73	52
VSP6WSS30/12	11.00	15.00	12		137	125	112	106	95	82	55
VSP6WSS30/13	11.00	15.00	13		148	135	121	115	103	89	60
VSP6WSS30/14	13.00	17.50	14		160	146	131	124	111	96	64
VSP6WSS30/15	13.00	17.50	15		171	156	140	133	119	103	69
VSP6WSS30/16	15.00	20.00	16		183	167	149	141	127	109	73
VSP6WSS30/17	15.00	20.00	17		194	177	159	150	135	116	78

VSP6W-SS46 SERIES			OUTLET SIZE :- 75MM			(MIX FLOW TYPE)						
MODEL	MOTOR RATING		STAGE	Head in meter	DISCHARGE IN lpm							
	kW	H.P.			0	310	590	677	761	850	997	
VSP6WSS46/2	3.00	4.0	2		26	24	21	19	18	15	11	
VSP6WSS46/3	3.70	5.0	3		39	36	31	28	27	23	16	
VSP6WSS46/4	5.50	7.5	4		52	48	41	38	36	31	22	
VSP6WSS46/5	7.5	10.0	5		65	60	52	47	45	39	27	
VSP6WSS46/6	9.3	12.5	6		78	72	62	57	54	46	33	
VSP6WSS46/7	11.0	15.0	7		91	84	73	66	63	54	38	
VSP6WSS46/8	22.0	15.0	8		104	96	83	76	71	62	43	
VSP6WSS46/9	15.0	17.5	9		118	108	93	85	80	70	49	
VSP6WSS46/10	15.0	20.0	10		131	121	104	95	89	77	54	
VSP6WSS46/11	18.5	25.0	11		144	133	114	104	98	85	60	
VSP6WSS46/12	18.5	25.0	12		157	145	124	114	107	93	65	
VSP6WSS46/13	22.0	30.0	13		170	133	114	104	98	85	60	
VSP6WSS46/14	22.0	30.0	14		183	143	123	112	106	92	64	
VSP6WSS46/15	22.0	30.0	15		196	153	132	120	113	98	69	

VSP6W-SS60 SERIES			OUTLET SIZE :- 75MM			(MIX FLOW TYPE)						
MODEL	MOTOR RATING		STAGE	Head in meter	DISCHARGE IN lpm							
	kW	H.P.			0	348	542	680	851	1172	1295	
VSP6WSS60/2	3.00	5.0	2		28	26	22	20	18	12	8	
VSP6WSS60/3	3.70	7.5	3		41	39	32	29	26	18	12	
VSP6WSS60/4	5.50	10.0	4		55	51	43	39	35	24	16	
VSP6WSS60/5	7.5	12.5	5		69	64	54	49	44	29	20	
VSP6WSS60/6	9.3	15.0	6		83	77	65	59	53	35	24	
VSP6WSS60/7	7.5	17.5	7		97	90	75	68	62	41	28	
VSP6WSS60/8	22.0	20.0	8		110	103	86	78	70	47	32	
VSP6WSS60/9	15.0	25.0	9		124	116	97	88	79	53	36	
VSP6WSS60/10	15.0	25.0	10		138	129	108	98	88	59	41	
VSP6WSS60/11	18.5	30.0	11		152	141	119	108	97	65	45	
VSP6WSS60/12	18.5	30.0	12		165	154	129	117	106	71	49	

Note: Performance May vary Depending upon Vo Frequency and field conditions.



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