

PRODUCT SPECIFICATION

◉ Connecting Piece	C.I Casting
◉ Upper & Lower Housing	Graded C.i Casting
◉ Motor Base	S.S Casting
◉ Stator Shell	S S 304
◉ Motor Shaft	S S 420
◉ Winding Wire	Poly Propylene or PVC insulated
◉ Degree Of Protection	IP 68
◉ Max Water Temperature	35* c
◉ Nos. Of Start Per Hour	Max 20 At Regular Intervals
◉ Voltage Variation	+6%/ -10% At Rated Voltage
◉ Max Depth Immersion	250 Metres.
◉ Maximum Outer Dia.	120 mm
◉ Power Range	4 Hp to 12.5 Hp - Three Phase 3 Hp to 5 Hp - Single Phase
◉ Voltage Range	380-400-415 volt - 50hz 180-215 volt - 50hz
◉ Speed	2900 rpm



PRODUCT FEATURE

- ◉ Orbit Submersible Motors are robust Rewindable and pre-filled with Clean water mixed with non-toxic eco-frindly anti-corrosion fluid.
- ◉ Fully Stainless Steel Component.
- ◉ Stator Shell With Corrosion Resistant Stainless Steel.
- ◉ Bearing:water Lubricated Radial And Thrust Bearing.
- ◉ Shaft extension made of Stainless Steel AISI 420.
- ◉ High Efficiency Electrical Design For Lower Operating Cost.
- ◉ Pressure Compensation Disphragm.

PRODUCT FEATURE

Orbit Submersible Motors are suitable to couple with deep well submersible Pump Used for:

- ◉ Residential Purpose
- ◉ Irrigation
- ◉ Fountains
- ◉ Industrial Water Supply
- ◉ Pressure Boosting Units
- ◉ Sprinkler Systems
- ◉ Mining Industries
- ◉ Oil & Gas Industries
- ◉ De-watering
- ◉ Gardens

V5 RADIAL FLOW SUBMERSIBLE PUMP SET

SUITABLE FOR 125mm (5") BOREWELL Water Filled, OUT SIDE DIA. 122 mm SUPPLY VOLTAGE AT 415 V, 50HZ

MODEL	STAGE	KW	H.P	OUTLET SIZE	TOTAL HEAD IN METER	DISCHARGE IN LPM							
						0	50	60	70	90	110	130	150
VE-3310	10	2.2	3	2"		108	95	92	88	79	71	63	54
VE-3412	12	3	4	2"		130	114	110	106	95	85	76	65
VE-3515	15	3.7	5	2"		160	142	136	132	119	106	95	81
VE-3620	20	4.5	6	2"		216	190	184	176	158	142	126	108
VE-3725	25	5.5	7.5	2"		270	238	230	220	198	178	158	135
VE-3130	30	7.5	10	2"		324	285	276	264	237	213	189	162

MODEL	STAGE	KW	H.P	OUTLET SIZE	TOTAL HEAD IN METER	DISCHARGE IN LPM							
						0	75	100	120	140	160	170	190
VE-4380	8	2.2	3	2"		80	72	68	64	60	56	52	48
VE-4410	10	3	4	2"		100	90	85	80	75	70	65	60
VE-4512	12	3.7	5	2"		120	108	102	96	90	84	78	72
VE-4615	15	4.5	6	2"		150	135	127	120	112	105	97	90
VE-4718	18	5.5	7.5	2"		180	162	153	144	135	126	117	108
VE-4720	20	5.5	7.5	2"		200	180	170	160	150	140	130	120
VE-41025	25	7.5	10	2"		250	225	212	200	187	175	162	150

MODEL	STAGE	KW	H.P	OUTLET SIZE	TOTAL HEAD IN METER	DISCHARGE IN LPM							
						0	100	130	150	170	190	210	225
VE-5360	6	2.2	3	2"		60	54	51	48	45	42	39	36
VE-5480	8	3	4	2"		80	72	68	64	60	56	52	48
VE-5510	10	3.7	5	2"		100	90	85	80	75	70	65	60
VE-5612	12	4.5	6	2"		120	108	102	96	90	84	78	72
VE-5115	15	5.5	7.5	2"		150	135	127	120	112	105	97	90
VE-51020	20	7.5	10	2"		200	180	170	160	150	140	130	120

MODEL	STAGE	KW	H.P	OUTLET SIZE	TOTAL HEAD IN METER	DISCHARGE IN LPM							
						0	130	160	185	210	225	235	250
VE-6350	5	2.2	3	2"		50	45	42	40	37	35	32	30
VE-6460	6	3	4	2"		60	54	40	48	45	42	37	36
VE-6580	8	3.7	5	2"		80	72	67	64	59	56	52	48
VE-6610	10	4.5	6	2"		100	90	84	80	74	70	64	60
VE-6712	12	5.5	7.5	2"		120	108	100	96	90	84	76	72
VE-61016	16	7.5	10	2"		160	144	134	128	118	112	102	96

SUITABLE FOR 125mm (5") BOREWELL Water Filled OUT SIDE DIA. 122 mm SUPPLY VOLTAGE AT 415 V, 50HZ

MODEL	STAGE	KW	H.P	OUTLET SIZE	TOTAL HEAD IN METER	DISCHARGE IN LPM						
						0	151	180	210	230	260	280
VE-7340	4	2.2	3	2"		40	36	34	32	30	28	24
VE-7450	5	3	4	2"		50	45	42	40	37	35	30
VE-7570	7	3.7	5	2"		70	63	59	56	52	49	42
VE-7680	8	4.5	6	2"		80	72	68	64	60	56	48
VE-7710	10	5.5	7.5	2"		100	90	85	80	75	70	60
VE-71012	12	7.5	10	2"		120	108	102	96	90	84	72
VE-71014	14	7.5	10	2"		140	126	119	112	105	98	84

MODEL	STAGE	KW	H.P	OUTLET SIZE	TOTAL HEAD IN METER	DISCHARGE IN LPM						
						0	185	275	330	380	410	455
VE-1033	3	2.2	3	2"		30	27	25	24	22	21	18
VE-1044	4	3	4	2"		40	36	34	32	30	28	24
VE-1055	5	3.7	5	2"		50	45	42	40	37	35	30
VE-1066	6	4.5	6	2"		60	54	51	48	45	42	36
VE-1078	8	5.5	7.5	2"		80	72	68	64	60	56	48
VE-1011	10	7.5	10	2"		100	90	85	80	75	70	60

V5 MIX FLOW SUBMERSIBLE PUMP SET

SUITABLE FOR 125mm(5") BOREWELL SUBMERSIBLE PUMPSETS Water Filled, APPROXIMATE PERFORMANCE CHART AT 2880 rpm, 350 TO 415 VOLTS THREE PHASE A.C. SUPPLY, 50 HZ. MAXIMUM MOTOR O.D.: -120 mm, MAXIMUM PUMP O.D.: -123

MODEL	STAGE	KW	H.P	OUTLET SIZE	TOTAL HEAD IN METER	DISCHARGE IN LPM						
						0	130	200	260	320	360	430
VMF-6234	4	2.2	3	2.5"	TOTAL HEAD IN METER	40	36	34	32	30	28	24
VMF-6245	5	3	4	2.5"		50	45	42	40	37	35	30
VMF-6256	6	3.7	5	2.5"		60	54	51	48	45	42	36
VMF-6267	7.5	4.5	6	2.5"		70	56	59	64	52	49	42
VMF-62810	10	5.5	7.5	2.5"		100	90	85	80	75	70	60
VMF-621012	12	7.5	10	2.5"		120	108	102	96	90	84	72

MODEL	STAGE	KW	H.P	OUTLET SIZE	TOTAL HEAD IN METER	DISCHARGE IN LPM						
						0	190	270	320	360	400	450
VMF-6333	3	2.2	3	75	TOTAL HEAD IN METER	30	27	25	24	22	21	18
VMF-6355	5	3.7	5	75		50	45	42	40	37	35	30
VMF-6366	6	4.5	6	75		60	54	51	48	45	42	36
VMF-6388	8	5.5	7.5	75		80	72	68	64	60	56	48
VMF-6310	10	7.5	10	75		100	90	85	80	75	70	60

MODEL	STAGE	KW	H.P	OUTLET SIZE	TOTAL HEAD IN METER	DISCHARGE IN LPM						
						0	290	350	410	450	480	550
VMF-6443	3	3	4	75	TOTAL HEAD IN METER	30	27	25	24	22	21	18
VMF-6454	4	3.7	5	75		40	36	34	32	30	28	24
VMF-6465	5	4.5	6	75		50	45	42	40	37	35	30
VMF-6486	6	5.5	7.5	75		60	54	51	48	45	42	36
VMF-64108	8	7.5	10	75		80	72	68	64	60	56	48

MODEL	STAGE	KW	H.P	OUTLET SIZE	TOTAL HEAD IN METER	DISCHARGE IN LPM						
						0	340	420	460	550	610	680
VMF-6553	3	3.7	5	75	TOTAL HEAD IN METER	30	27	25	24	22	21	18
VMF-6564	4	4.5	6	75		40	36	34	32	30	28	24
VMF-6585	5	5.5	7.5	75		50	45	42	40	37	35	30
VMF-65106	6	7.5	10	75		60	54	51	48	45	42	36