

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	300 Metres.
◉ Maximum Outer Dia.	200 mm
◉ Power Range	5 Hp to 50 Hp - Three Phase
◉ Voltage Range	380-400-415 volt - 50hz
◉ Speed	2900 rpm



PRODUCT FEATURE

- ◉ Orbit Submersible Motors are robust Rewindable and pre-filled with Clean water mixed with non-toxic eco-friendly 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

V8 RADIAL FLOW SUBMERSIBLE PUMP SET

MODEL	STAGE	KW	HP	OUTLET		DISCHARGE IN LPM							
				MM/INCH		0	320	380	440	500	560	620	680
VEW-25	4	7.5	10	75MM/3"	HEAD IN METER	68	73	69	65	60	54	47	39
	5	9.3	12.5			85	91	87	81	75	68	59	49
	6	11	15			102	110	104	98	90	81	71	59
	7	13	17.5			119	128	122	114	105	95	82	68
	8	15	20			136	146	139	130	120	108	94	78
	10	18.5	25			170	183	174	163	150	135	118	98
	12	22	30			204	219	208	195	180	162	141	117
	14	26	35			238	256	243	228	210	189	165	137

MODEL	STAGE	KW	HP	OUTLET		DISCHARGE IN LPM							
				MM/INCH		0	360	420	480	550	600	680	720
VEW-30	3	7.5	10	75MM/3"	HEAD IN METER	54	55	52	49	45	41	35	29
	4	9.3	12.5			72	73	70	65	60	54	47	39
	5	11	15			90	91	87	81	75	68	59	49
	6	13	17.5			108	110	104	98	90	81	71	59
	7	15	20			126	128	122	114	105	95	82	68
	8	18.5	25			144	146	139	130	120	108	94	78
	10	22	30			180	183	174	163	150	135	118	98
	12	26	35			216	219	209	195	180	162	141	117
	14	30	40			252	256	243	228	210	189	165	137

MODEL	STAGE	KW	HP	OUTLET		DISCHARGE IN LPM							
				MM/INCH		0	450	600	700	750	800	900	950
VEW-40	3	9.3	12.5	75MM/3"	HEAD IN METER	63	55	53	50	45	41	35	29
	4	11	15			84	74	70	66	60	54	47	39
	5	15	20			105	93	88	83	75	68	59	49
	6	18.5	25			126	111	105	99	90	81	71	59
	7	22	30			147	130	123	116	105	95	82	68
	8	22	30			168	148	140	132	120	108	94	78
	9	26	35			489	167	158	149	135	122	106	88
	10	30	40			210	185	175	165	150	135	118	98
	11	33.5	45			231	204	193	182	165	149	129	107
	12	37	50			252	222	210	198	180	162	141	117

MODEL	STAGE	MOTOR RATING		OUTLET MM/INCH		DISCHARGE IN LPM							
		KW	HP			0	750	850	900	1000	1050	1150	1250
VEW-50	2	7.5	10	75MM/3"	HEAD IN METER	44	37	35	33	30	27	24	20
	3	11	15			66	56	53	50	45	41	35	29
	4	15	20			88	74	70	66	60	54	47	39
	5	18.5	25			110	93	88	83	75	68	59	49
	6	22	30			132	111	105	99	90	81	71	59
	7	26	35			154	130	123	116	105	95	82	68
	8	30	40			176	148	140	132	120	108	94	78
	9	33.5	45			198	167	158	149	135	122	106	88
	10	37	50			220	185	175	165	150	135	118	98

MODEL	STAGE	MOTOR RATING		OUTLET MM/INCH		DISCHARGE IN LPM							
		KW	HP			0	875	1000	1125	1250	1375	1500	1625
VEW-60	2	9.3	12.5	75MM/3"	HEAD IN METER	45	38	36	34	30	27	24	20
	3	13	17.5			68	56	53	50	45	41	35	29
	4	18.5	25			90	75	71	67	60	54	47	39
	5	22	30			113	94	89	84	75	68	59	49
	6	26	35			135	113	107	101	90	81	71	59
	7	30	40			158	131	124	117	105	95	82	68
	8	37	50			180	150	142	134	120	108	94	78
	10	45	60			225	188	178	168	150	135	118	98

MODEL	STAGE	MOTOR RATING		OUTLET MM/INCH		DISCHARGE IN LPM							
		KW	HP			0	1075	1200	1325	1450	1575	1700	1825
VEW-70	2	9.3	15	75MM/3"	HEAD IN METER	43	38	36	34	30	27	24	20
	3	13	20			65	56	53	51	45	41	35	29
	5	22	35			108	94	89	84	75	68	59	49
	6	26	40			129	113	107	102	90	81	71	59
	7	30	50			151	131	124	119	105	95	82	68
	9	41	60			193	169	160	153	135	122	106	88

V8 MIXFLOW SUBMERSIBLE PUMP SET

MODEL	STAGE	MOTOR RATING		OUTLET MM/INCH		DISCHARGE IN LPM							
		KW	HP			0	450	600	750	900	1050	1200	1350
VEW40	2	5.5	7.5	100MM/4"	HEAD IN METER	43	34	32	30	28	26	23	20
	3	9.3	12.5			65	50	48	45	42	38	35	30
	4	11	15			86	67	64	60	56	51	46	40
	5	15	20			108	84	80	75	70	64	58	50
	6	18.5	25			129	101	96	90	84	77	69	60
	7	22	30			151	117	112	105	98	89	81	70
	8	22	30			172	134	128	120	112	102	92	80
	9	26	35			194	151	144	135	126	115	104	90
	10	30	40			215	168	160	150	140	128	115	100
	11	33.5	45			237	184	176	165	154	140	127	110
	12	37	50			258	201	192	180	168	153	138	120
	15	45	60			322	251	240	225	210	191	173	150

MODEL	STAGE	MOTOR RATING		OUTLET MM/INCH		DISCHARGE IN LPM							
		KW	HP			0	700	850	1000	1150	1300	1450	1600
VEW50	2	7.5	10	100MM/4"	HEAD IN METER	44	34	32	30	28	26	23	21
	3	11	15			66	50	48	45	42	38	35	31
	4	15	20			88	67	64	60	56	51	46	41
	5	18.5	25			110	84	80	75	70	64	58	51
	6	22	30			132	101	96	90	84	77	69	62
	7	26	35			154	117	112	105	98	89	81	72
	8	30	40			176	134	128	120	112	102	92	82
	9	33.5	45			198	151	144	135	126	115	104	92
	10	37	50			220	168	160	150	140	128	115	103

MODEL	STAGE	MOTOR RATING		OUTLET MM/INCH		DISCHARGE IN LPM							
		KW	HP			0	850	1000	1150	1300	1450	1600	1750
VEW60	2	9.3	12.5	100MM/4"	HEAD IN METER	47	35	34	32	30	28	25	23
	3	13	17.5			71	53	50	48	45	41	38	34
	4	18.5	25			94	70	67	64	60	55	50	45
	5	22	30			118	88	84	80	75	69	63	56
	6	26	35			141	105	101	96	90	83	75	68
	7	30	40			165	123	117	112	105	96	88	79
	8	33.5	45			188	140	134	128	120	110	100	90
	8	37	50			188	140	134	128	120	110	100	90

MODEL	STAGE	MOTOR RATING		OUTLET	DISCHARGE IN LPM							
		KW	HP		MM/INCH	HEAD IN METER						
				0		1050	1200	1350	1500	1650	1800	1950
VEW70	3	15	20	100MM/4"	74	53	50	48	45	41	38	34
	5	26	35		123	88	84	80	75	69	63	56
	6	30	40		147	105	101	96	90	83	75	68
	6	33.5	45		147	105	101	96	90	83	75	68
	7	37	50		172	123	117	112	105	96	88	79

MODEL	STAGE	MOTOR RATING		OUTLET	HEAD IN METER							
		KW	HP		MM/INCH	0	1300	1450	1600	1750	1900	2050
				VEW80		2	11	15	100MM/4"	49	35	34
3	18.5	25	77		53	50	48	45		41	38	34
4	22.5	35	98		70	67	64	60		55	50	45
5	30	40	128		88	84	80	75		69	63	56
6	37	50	154		105	101	96	90		83	75	68

MODEL	STAGE	MOTOR RATING		OUTLET	HEAD IN METER							
		KW	HP		MM/INCH	0	1500	1650	1800	1950	2100	2250
				VEW90		2	13	17.5	100MM/4"	54	35	34
4	26	35	108		70	67	64	60		55	50	45
5	33.5	45	135		88	84	80	75		69	63	56

MODEL	STAGE	MOTOR RATING		OUTLET	HEAD IN METER							
		KW	HP		MM/INCH	0	1700	1850	2000	2150	2300	2450
				VEW100		1	7.5	10	100MM/4"	26	18	17
2	15	20	52		35	34	32	30		28	25	23
3	22	30	78		53	50	48	45		41	38	34
4	30	40	104		70	67	64	60		55	50	45
5	37	50	130		88	84	80	75		69	63	56

MODEL	STAGE	MOTOR RATING		OUTLET	HEAD IN METER							
		KW	HP		MM/INCH	0	1900	2100	2300	2500	2700	2900
				VK-125		1	9.3	12.5	125MM/5"	26	21	19
2	18.5	25	52		41	39	35	32		28	23	18
3	26	35	78		62	58	53	48		42	35	26
4	37	50	104		83	77	71	64		56	47	35

MODEL	STAGE	MOTOR RATING		OUTLET	HEAD IN METER							
		KW	HP		MM/INCH	0	2150	2350	2550	2750	2950	3150
				VK-150		1	11	15	125MM/5"	26	22	21
2	22	30	52		44	42	39	36		32	27	21
3	33.5	45	78		66	62	59	54		47	40	32