

uPVC COLUMN PIPE

Ideal for
HOT & COLD
Water Application

- Cost effective
- Light in weight
- High flow rate
- Corrosion resistant
- Energy saver
- Non-toxic and non-conductive
- Longer Life
- No Electrolytic deposition.
- Easy & Fast Installation
- Hygienic and safe for drinking water

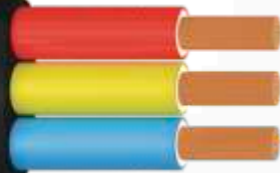


3 CORE FLAT CABLE

- Conforming to IS 694
- Excellent resistant to moisture, abrasion, grease, Oil
- Excellent mechanical & electrical properties
- Longer Flex Life
- Temperature Range - 15°C to +70°C

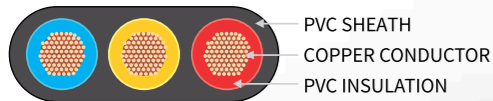
3 x 6 SQMM 1100V
IS:694 CM/L-7338173

SINCE 1935
VARUNA
ELECTRIC



PVC INSULATED & SHEATHED FLEXIBLE

CABLE DESIGN



PVC SHEATH
COPPER CONDUCTOR
PVC INSULATION

Aapke Paani Ka Pressure Hum Lete Hain

- ✓ Legacy of 80 years
- ✓ 1000+ Models
- ✓ Maximum Star Rated Pumps in INDIA
- ✓ Exports to more than 50 countries
- ✓ Over 8 decades of engineering expertise
- ✓ Prestigious 'Global Quality Award'

LA-GAJJAR MACHINERIES PVT. LTD.

Acidwala Estate, Nagarwel Hanuman Road, Amraiwadi, Ahmedabad- 380026.

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SINCE 1935
VARUNA
ELECTRIC

The
King of
Performance

NEW
HYDRA



V5, V6 & V8

SUBMERSIBLE PUMP SETS

BOREWELL SUBMERSIBLE PUMP SETS

5"



125 mm (5") Submersible Pump Sets

125 mm (5") with Water Filled Motor

DESCRIPTION

Varuna brand makes reliable, efficient and durable Submersible pump sets with best quality as per IS 9283:2013. Following are the salient features of Submersible pump sets with Water filled Motor.

SALIENT FEATURES

- Dynamically balanced rotating parts to ensure minimum noise and vibration-free operation.
- Accurately machined on CNC machine to get reliable performance and long life.
- Pump sets perform in wide voltage band.
- Starts easily at low voltage.
- Metal inserted with sand guard to improve life in sandy bore.
- Manufactured using a much sophisticated process hence ensuring more reliability in performance.
- Heavy Duty Carbon thrust bearing with German Technology.
- Products are available with NRV which reduces the thrust load of back pressure.
- Motors are designed using multi layer PVC insulated wire for better reliability and easy repairing at remote location.

Material of Construction

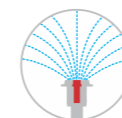
MOTOR DETAILS

Stator	: Insulated varnish using vacuum impregnation method
Rotor	: Copper Rotor
Motor Body	: Stainless Steel
Thrust Bearing	: Self aligned carbon Vs. Stainless steel thrust bearing that withstands high axial thrust load in water lubrication
Winding	: Multi Layer PVC insulated wire
Cable Sealing	: Protecting device to prevent foreign particles from entering into the motor arrangement.
Journal Bearings	: Gun Metal Bush with 2% nickel and additional centrifugal molding process to avoid chance of warm out
Pressure Diaphragm	: Sufficient size to contain expansion of water inside the Diaphragm motor and avoid the defeat of cooling water

PUMP DETAILS

Bowl	: Cast iron / Stainless Steel
Impeller	: Stainless Steel Cast / SSSM
Shaft	: Stainless Steel
Wearing Rings	: High Quality Abrasion resistant Stainless Steel
Suction Casing	: Heavy Duty casting material to get proper grip on motor as well as to provide path for suction of water.
Non Return Valve	: To reduce the thrust generated due to back pressure of the long pipe line when pump set is switched off hence leading to increase in the life of the pump

Applications



SPRINKLER
IRRIGATION



DRIP IRRIGATION
SYSTEM



INDUSTRIAL
APPLICATION



BUNGALOWS &
HOUSING COMPLEXES



HIGH RISE
BUILDINGS

V5**SUITABLE FOR 131 mm BOREWELL OR ABOVE (Min.Bore Dia. 131mm)**

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-240 VOLTS SINGLE PHASE / 380-415 VOLTS THREE PHASE, 50 Hz. A.C. SUPPLY. Maximum Motor OD :- 122 mm & Pump O.D. :- 127 mm

OUTLET SIZE :- 50mm

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM							
	kW	H.P.			0	110	125	150	170	190	230	260
VSH:51CS	2.20	3.00	5		50	42	39	36	33	29	24	19
VSH:51CS	2.20	3.00	6		60	50	47	43	39	35	29	23
VSH:51CS	3.00	4.00	8		80	66	63	57	52	47	39	31
VSH:51CS	3.70	5.00	10		100	83	79	71	65	59	49	39
VSH:51CS	4.50	6.00	12		120	99	95	86	78	71	59	47
VSH:51CS	5.50	7.50	14		140	116	110	100	91	82	68	54

OUTLET SIZE :- 50mm

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM							
	kW	H.P.			0	135	160	190	215	250	270	300
VSH:52CS	2.20	3.00	4		40	34	32	28	26	23	20	16
VSH:52CS	3.70	5.00	6		60	50	47	42	39	35	30	24
VSH:52CS	3.70	5.00	8		80	67	63	56	52	46	40	32
VSH:52CS	4.50	6.00	10		100	84	79	70	65	58	50	40
VSH:52CS	5.50	7.50	12		120	101	95	84	78	69	60	48
VSH:52CS	7.50	10.00	14		140	117	110	98	91	81	70	56

V5**SUITABLE FOR 131 mm BOREWELL OR ABOVE (Min.Bore Dia. 131mm)**

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-240 VOLTS SINGLE PHASE / 380-415 VOLTS THREE PHASE, 50 Hz. A.C. SUPPLY. Maximum Motor OD :- 122 mm & Pump O.D. :- 127 mm

OUTLET SIZE :- 75mm

TYPE OF FLOW : MIXED

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM					
	kW	H.P.			0	225	275	475	570	650
VS 51	2.2	3.0	3		28	25	23	20	16.5	13
VS 51	3.0	4.0	3		28	25	23	20	16.5	13
VS 51	3.7	5.0	4		37.5	33.5	31	27	21.5	17.5
VS 51	4.5	6.0	5		47	42	38	33	27	22
VS 51	5.5	7.5	6		56	50	46	39.5	32.5	26.5
VS 51	7.5	10.0	8		75	67	60.5	52.5	43.5	35

Note : Single Phase Motors are available up to 7.5 HP

**BOREWELL
SUBMERSIBLE
PUMP SETS****6"****150 mm (6") Submersible Pump Sets**

150 mm (6") with Water Filled Motor

DESCRIPTION

Varuna brand makes reliable, efficient and durable Submersible pump sets of best quality as per IS 8034: 2018. Following are the salient features of Submersible pump sets with Water filled Motor.

SALIENT FEATURES

- Motor and Pump come in a single unit for easy installation.
- Pump sets perform in wider voltage band.
- Pump sets also available in single phase and phase to phase.
- Heavy Duty Carbon thrust bearing with German Technology.
- Superior performance as compared to competitors.
- CI bowl makes design strong and easy to repair.
- Metal Inserted with sand guard to increase life in sandy bore.
- Product available up to 30 HP.

Material of Construction

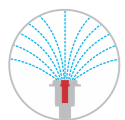
MOTOR DETAILS

Stator	: Insulated varnish using vacuum impregnation method
Rotor	: Copper Rotor
Motor Body	: Stainless Steel
Thrust Bearing	: Self aligned carbon Vs. Stainless steel thrust bearing that withstands high axial thrust load in water lubrication
Winding	: Multi Layer PVC insulated wire
Cable Sealing	: Protecting device to prevent foreign particles from entering into the motor arrangement.
Journal Bearings	: Gun Metal Bush with 2% nickel and additional centrifugal molding process to avoid chance of warm out
Pressure Diaphragm	: Sufficient size to contain expansion of water inside the motor and avoid the defeat of cooling water

PUMP DETAILS

Bowl	: Cast iron / Stainless Steel
Impeller	: Stainless Steel Cast / SSSM
Shaft	: Stainless Steel
Wearing Rings	: High Quality Abrasion resistant Stainless Steel
Suction Casing	: Heavy Duty casting material to get proper grip on motor as well as provide path for suction of water. SS Strainer is also provided to protect against foreign particles
Non Return Valve	: FG 260 to reduce the thrust generated due to back pressure of long pipe line at the time of switch off hence leading to increase in the life of the Pump

Applications



SPRINKLER IRRIGATION



DRIP IRRIGATION SYSTEM



INDUSTRIAL APPLICATION



CIVIL & DOMESTIC WATER SUPPLY



AGRICULTURE WATER SUPPLY



FIRE FIGHTING SYSTEM

V6 Slim

SUITABLE FOR 150mm BOREWELL OR ABOVE (Min. Bore Dia. 150mm)
APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 200-240 VOLTS SINGLE PHASE / 380-415 VOLTS THREE PHASE, 50 Hz. A.C. Maximum Motor OD :- 122mm & Pump OD :- 142mm

OUTLET SIZE :- 50mm

TYPE OF FLOW : RADIAL

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM					
	kW	H.P.			0	50	90	110	120	140
VSH:61BN (RSS)	2.2	3.0	8		85	73	68	62	56	50

OUTLET SIZE :- 50mm

TYPE OF FLOW : RADIAL

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM							
	kW	H.P.			0	95	112	120	135	150	170	190
VSH:62N (RSS)	2.2	3.0	6		65	58	52	50	47	41	35	25

OUTLET SIZE :- 50mm

TYPE OF FLOW : RADIAL

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM							
	kW	H.P.			0	140	165	185	200	230	250	270
VSH:64N (RSS)	2.2	3.0	5		59	53	50	47	44	37	33	28
VSH:64N (RSS)	3.7	5.0	8		94	85	80	75	70	59	53	45

OUTLET SIZE :- 50mm

TYPE OF FLOW : RADIAL

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM							
	kW	H.P.			0	130	175	215	220	245	280	325
VSH:64BN (RSS)	3.7	5.0	6		73	64	60	55	54	50	42	30

OUTLET SIZE :- 50mm

TYPE OF FLOW : RADIAL

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM							
	kW	H.P.			0	235	290	300	320	350	370	390
VSH:65N (RSS)	3.0	4.0	4		52	44	40	38	36	32	28	25
VSH:65N (RSS)	3.7	5.0	5		65	55	50	48	45	40	35	31
VSH:65N (RSS)	5.5	7.5	8		104	88	80	77	72	64	56	50

Note : Single Phase Motors are available up to 7.5 HP

V6

SUITABLE FOR 150mm BOREWELL OR ABOVE (Min. Bore Dia. 150mm)
APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 380-415 VOLTS THREE PHASE, 50 Hz. A.C. SUPPLY.
Maximum Motor OD :- 142 mm & Pump OD :- 142 mm

OUTLET SIZE :- 50mm

TYPE OF FLOW : RADIAL

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM					
	kW	H.P.			0	50	90	110	120	140
VSH:61N	2.2	3.0	8		85	73	68	62	56	50
VSH:61N	3.0	4.0	10		106	93	85	80	74	65
VSH:61N	3.7	5.0	13		138	108	96	88	78	71
VSH:61N	3.7	5.0	14		148	116	103	95	84	76
VSH:61N	4.5	6.0	16		170	150	140	128	120	104
VSH:61N	5.5	7.5	18		191	169	158	144	135	117
VSH:61N	5.5	7.5	20		212	190	175	162	152	134
VSH:61N	7.5	10.0	24		254	228	210	195	183	162
VSH:61N	9.3	12.5	30		318	285	263	243	228	201

OUTLET SIZE :- 75mm (ON DEMAND CAN PROVIDE 65mm)

TYPE OF FLOW : MIXED

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM									
	kW	H.P.			0	430	450	480	580	650	750	820	880	950
VS 63N	3.7	5.0	3		36	32	29	27	26	24	20	17	13	11
VS 63N	4.5	6.0	4		48	43	38	36	34	32	26	22	18	14
VS 63N	5.5	7.5	5		60	54	48	45	43	40	33	28	22	18
VS 63N	7.5	10.0	6		72	65	58	54	52	48	40	34	26	22
VS 63N	9.3	12.5	7		84	76	67	63	60	56	46	39	31	25
VS 63N	9.3	12.5	8		96	86	77	72	69	64	53	45	35	29
VS 63N	11.0	15.0	10		120	108	96	90	86	80	66	56	44	36
VS 63N	13.0	17.5	11		132	119	106	99	95	88	73	62	48	40
VS 63N	15.0	20.0	12		144	130	115	108	103	96	79	67	53	43

OUTLET SIZE :- 75 mm (ON DEMAND CAN PROVIDE 100mm)

TYPE OF FLOW : MIXED

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM									
	kW	H.P.			0	530	660	710	850	930	1090	1255		
VS 64N	3.7	5.0	2		24	20	19	18	17	16	14	10		
VS 64N	4.5	6.0	3		36	30	27	26	25	24	21	15		
VS 64N	5.5	7.5	4		48	40	37	35	33	32	27	21		
VS 64N	7.5	10.0	5		60	50	46	44	41	40	34	26		
VS 64N	9.3	12.5	6		72	60	56	53	50	48	41	32		
VS 64N	9.3	12.5	7		84	70	65	61	58	56	47	37		
VS 64N	11.0	15.0	8		96	80	74	70	66	64	54	42		
VS 64N	13.0	17.5	9		108	90	83	79	74	72	61	47		
VS 64N	15.0	20.0	10		120	100	93	88	83	80	68	53		

Note : Single Phase Motors are available up to 7.5 HP

V6

SUITABLE FOR 150mm BOREWELL OR ABOVE (Min. Bore Dia. 150mm)

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 380-415 VOLTS THREE PHASE, 50 Hz. A.C. SUPPLY.
Maximum Motor OD :- 142 mm & Pump OD. :- 144 mm

OUTLET SIZE :- 75 mm (ON DEMAND CAN PROVIDE 100mm)

TYPE OF FLOW : MIXED

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM									
	kW	H.P.			0	720	790	840	890	930	1050	1210		
VS 65N	4.5	6.0	2		26	19	18	17	16	15	14	10		
VS 65N	5.5	7.5	3		39	28	27	26	25	24	21	15		
VS 65N	7.5	10.0	4		52	37	36	35	33	32	28	20		
VS 65N	9.3	12.5	5		65	47	45	43	42	40	35	25		
VS 65N	11.0	15.0	6		78	56	54	52	50	48	42	30		
VS 65N	11.0	15.0	7		91	65	63	61	58	56	49	35		
VS 65N	13.0	17.5	7		91	65	63	61	58	56	49	35		
VS 65N	15.0	20.0	8		104	75	72	69	67	64	56	40		

V6

SUITABLE FOR 150mm BOREWELL OR ABOVE (Min. Bore Dia. 150mm)

APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 380-415 VOLTS THREE PHASE, 50 Hz. A.C. SUPPLY.
Maximum Motor OD :- 142 mm & Pump OD. :- 144 mm

OUTLET SIZE :- 100mm

TYPE OF FLOW : MIXED

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM								
	kW	H.P.			0	475	750	960	1060	1150	1250		
VS 67E	4.5	6.0	2		27	22	19	17	15	13	10		
VS 67E	5.5	7.5	3		40	33	28	26	22	19	15		
VS 67E	7.5	10.0	4		54	44	38	34	30	26	20		
VS 67E	9.3	12.5	5		68	55	48	42	38	32	25		
VS 67E	11.0	15.0	6		81	66	58	51	45	38	30		
VS 67E	13.0	17.5	7		94	77	66	61	52	45	35		
VS 67E	15.0	20.0	8		108	88	76	68	60	52	40		
VS 67E	18.5	25.0	10		135	110	95	85	75	65	50		

OUTLET SIZE :- 100mm

TYPE OF FLOW : MIXED

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM								
	kW	H.P.			0	400	550	1150	1280	1400	1500		
VS 67	5.5	7.5	2		29	24	22	16	14	11	9		
VS 67	5.5	7.5	3		44	36	33	24	21	16	14		
VS 67	7.5	10.0	3		44	36	33	24	21	16	14		
VS 67	9.3	12.5	4		58	48	44	32	28	22	18		
VS 67	11.0	15.0	5		72	60	55	40	35	28	22		
VS 67	13.0	17.5	6		87	72	66	48	42	33	27		
VS 67	15.0	20.0	7		102	84	77	56	49	38	32		
VS 67	18.5	25.0	8		116	96	88	64	56	44	36		
VS 67	22.5	30.0	10		145	120	110	80	68	55	45		

Note : Single Phase Motors are available up to 7.5 HP

V7

SUITABLE FOR 175mm BOREWELL OR ABOVE (Min. Bore Dia. 175mm)
 APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 380-415 VOLTS THREE PHASE, 50 Hz. A.C. SUPPLY.
 Maximum Motor OD :- 142 mm & Pump OD. :-170 mm

OUTLET SIZE :- 100mm

TYPE OF FLOW : MIXED

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM					
	kW	H.P.			0	660	850	1020	1170	1330
VS 66R	4.5	6.0	2		29	23	20	17	13	10
VS 66R	5.5	7.5	3		44	34	30	26	20	15
VS 66R	7.5	10.0	4		58	46	40	34	26	20
VS 66R	9.3	12.5	5		72	58	50	42	32	25
VS 66R	11.0	15.0	6		87	69	60	51	39	32
VS 66R	13.0	17.5	7		102	80	70	60	46	38
VS 66R	15.0	20.0	8		116	92	80	68	54	42
VS 66R	15.0	20.0	10		145	115	105	85	65	50
VS 66R	18.5	25.0	10		145	115	105	85	65	50
VS 66R	22.5	30.0	12		174	138	120	102	78	62

OUTLET SIZE :- 100mm

TYPE OF FLOW : MIXED

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM					
	kW	H.P.			0	700	1040	1230	1350	1500
VS 68	5.5	7.5	2		32	24	19	16	14	10
VS 68	7.5	10.0	3		48	36	29	24	20	15
VS 68	9.3	12.5	4		64	48	38	32	26	20
VS 68	11.0	15.0	4		64	48	38	32	26	20
VS 68	11.0	15.0	5		80	60	47	38	34	25
VS 68	13.0	17.5	6		96	72	57	47	39	30
VS 68	15.0	20.0	7		112	84	67	56	46	35
VS 68	18.5	25.0	8		128	96	77	62	55	39
VS 68	22.5	30.0	10		160	120	100	80	68	50

VJ

SUITABLE FOR 175mm BOREWELL OR ABOVE (Min. Bore Dia. 175mm)
 APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 380-415 VOLTS THREE PHASE, 50 Hz. A.C. SUPPLY.
 Maximum Motor OD :- 142 mm & Pump OD. :-165 mm

OUTLET SIZE :- 75mm (ON DEMAND CAN PROVIDE 100mm)

TYPE OF FLOW : MIXED

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM											
	kW	H.P.			0	460	600	950	1200	1300	1450	1550	1660	1750		
VJH 7A: 25	7.50	10.00	3		52	42	39	34.5	29	25	21	17.5	15			
VJH 7A: 35	5.50	7.50	2		35	30	29	25	20	18	14	12	11			
VJH 7A: 35	9.30	12.50	3		52	45	44	38	30	27	21	19	16			
VJH 7A: 50	7.50	10.00	2		40	34	32	28	26	23	20	18	16			
VJH 7A: 50	11.00	15.00	3		60	51	48	42	39	34	30	27	24			
VJH 7A: 60	9.30	12.50	2		44	39	36	32	28	27	25	23	20			
VJHH 7A:25	7.50	10.00	3		55	44	41	35	29	27	24	21	18			
VJHH 7A:25	15.00	20.00	6		110	88	82	70	58	54	48	42	36			
VJHH 7A:35	5.50	7.50	2		37	32	31	26	22	20	17	15	12			
VJHH 7A:35	9.30	12.50	3		56	48	46	39	33	30	26	22	18			
VJHH 7A:35	11.00	15.00	4		74	64	62	52	44	40	34	30	24			
VJHH 7A:35	11.00	15.00	5		84	71	67	59	52	47	40	31	24			
VJHH 7A:35	13.00	17.50	5		84	71	67	59	52	47	40	31	24			
VJHH 7A:35	15.00	20.00	5		92	81	78	65	55	50	42	38	30			
VJHH 7A:35	18.50	25.00	6		111	96	93	78	66	60	51	45	36			
VJHH 7A:35	22.50	30.00	8		148	128	124	104	88	80	68	60	48			
VJHH 7A:50	7.50	10.00	2		42	38	35	31	27	25	23	21	19	16		
VJHH 7A:50	11.00	15.00	3		63	56	53	48	40	38	34	32	28	24		
VJHH 7A:50	15.00	20.00	4		84	74	70	62	54	50	46	42	38	32		
VJHH 7A:50	18.50	25.00	5		105	92	88	78	68	62	58	53	48	40		
VJHH 7A:50	22.50	30.00	6	126	110	105	93	81	75	69	63	57	48			

V7

SUITABLE FOR 175mm BOREWELL OR ABOVE (Min. Bore Dia. 175mm)
 APPROXIMATE PERFORMANCE CHART AT 2880 RPM, 380-415 VOLTS THREE PHASE, 50 Hz. A.C. SUPPLY.
 Maximum Motor OD :- 142 mm & Pump OD. :- 160 mm

OUTLET SIZE :- 100mm

TYPE OF FLOW : MIXED

MODEL	MOTOR RATING		STAGE	HEAD IN METERS	DISCHARGE IN LPM									
	kW	H.P.			0	1120	1580	1730	1890	2100	2280	2460		
VJN:7JT 30 (THH)	5.5	7.5	2		34	24	22	20	18	17	14	9		
VJN:7JT 25 (THHH)	5.5	7.5	3		48	36	33	30	27	25	21	14		
VJN:7JT 50 (THH)	7.5	10.0	2		34	24	22	20	18	17	14	9		
VJN:7JT 30 (THHH)	7.5	10.0	3		48	36	33	30	27	25	21	14		
VJN:7JT 30 (THH)	9.3	12.5	3		48	36	33	30	27	25	21	14		
VJN:7JT 30 (THH)	11.0	15.0	4		65	49	44	41	36	33	28	19		
VJN:7JT 50 (T)	15.0	20.0	4		70	54	48	45	41	37	33	25		
VJN:7JT 50 (T)	18.5	25.0	5		88	68	60	56	51	46	41	31		

BOREWELL SUBMERSIBLE PUMP SETS

8"



200 mm (8") Submersible Pump Sets

200 mm (8") with Water Filled Motor

DESCRIPTION

Varuna brand makes reliable, efficient and durable Submersible pump sets of best quality as per IS 8034: 2018. Following are the salient features of Submersible pump sets with Water filled Motor.

SALIENT FEATURES

- Motor and Pump come in a single unit for easy installation.
- Pump sets perform in wider voltage band.
- Pump sets also available in single phase and phase to phase.
- Heavy Duty Carbon thrust bearing with German Technology.
- Superior performance as compared to competitors.
- CI bowl makes design strong and easy to repair.
- Metal Inserted with sand guard to increase life in sandy bore.
- Product Available up to 85 HP in 8" & Above 85 HP in 9".

Material of Construction

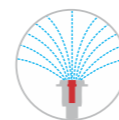
MOTOR DETAILS

Stator	: Insulated varnish using vacuum impregnation method
Rotor	: Copper Rotor
Motor Body	: Stainless Steel
Thrust Bearing	: Self aligned carbon Vs. Stainless steel thrust bearing that withstands high axial thrust load in water lubrication
Winding	: Multi Layer PVC insulated wire
Cable Sealing	: Protecting device to prevent foreign particles from entering into the motor arrangement.
Journal Bearings	: Gun Metal Bush with 2% nickel and additional centrifugal molding process to avoid chance of warm out
Pressure Diaphragm	: Sufficient size to contain expansion of water inside the motor and avoid the defeat of cooling water

PUMP DETAILS

Bowl	: Cast Iron
Impeller	: Stainless Steel Cast / SSSM
Shaft	: Stainless Steel
Wearing Rings	: High Quality Abrasion resistant Stainless Steel
Suction Casing	: Heavy Duty casting material to get proper grip on motor as well as provide path for suction of water. SS Strainer is also provided to protect against foreign particles
Non Return Valve	: To reduce the thrust generated due to back pressure of long pipe line at the time of switch off hence leading to increase in the life of the Pump

Applications



SPRINKLER
IRRIGATION



DRIP IRRIGATION
SYSTEM



INDUSTRIAL
APPLICATION



CIVIL & DOMESTIC
WATER SUPPLY



AGRICULTURE
WATER SUPPLY



FIRE FIGHTING
SYSTEM

OTHER PRODUCT RANGE

MINI MONOBLOCK PUMPSET



HIRA



SAPPHIRE



PACIFIC



IVORY



EMERALD



CRYSTAL



HMPS ULTRA



SHALLOW WELL JET PUMP



OPAL



DIAMOND



VMSPB D 0.5-H 2



10 VHMS 5 D 1.0-V 35

VERTICAL & HORIZONTAL OPEN WELL PUMPS



CENTRIFUGAL MONOBLOCK PUMPSET



3" & 4" OF/WF SUBMERSIBLE PUMPSET



3" to 8" NORYL & CAST IRON SUBMERSIBLE PUMPS



SOLAR SUBMERSIBLE PUMPS



OTHER PRODUCT RANGE

NEW HYDRA V4 OIL FILLED MOTOR



STAINLESS STEEL SUBMERSIBLE PUMPSETS



DIGITAL CONTROL PANEL SUBMERSIBLE PUMPS



