

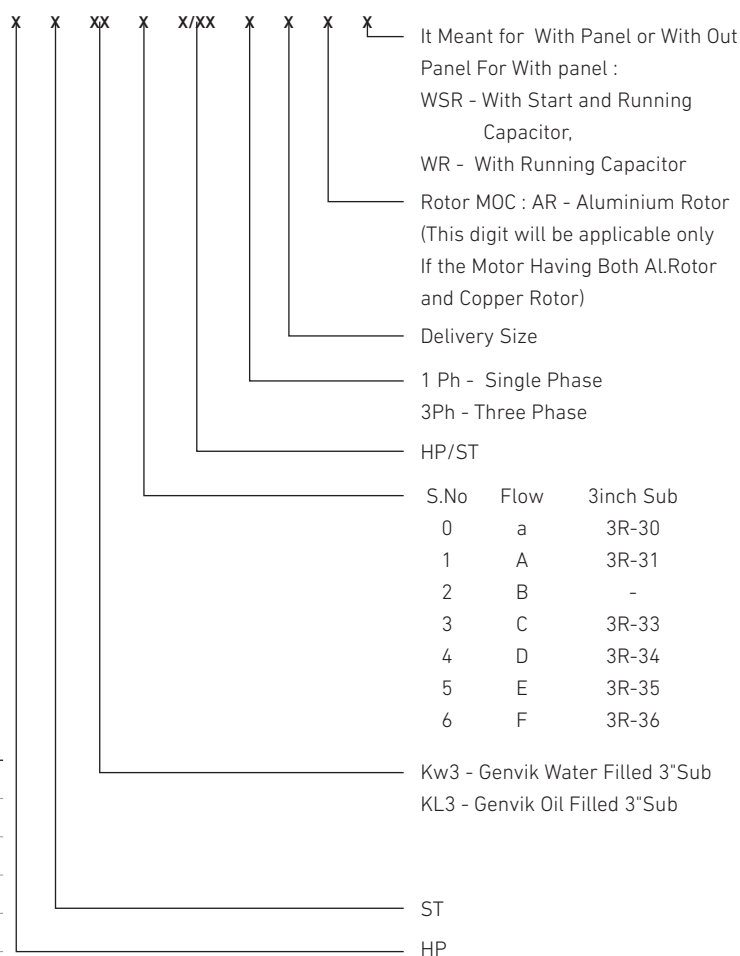


### DESCRIPTION

Genvik 80 mm (3") Bore well Submersible pump is firmly coupled to a submersible electric motor which operates submerged beneath the surface of water. All vital components of these pumps are made up of corrosive resistance thermo plastic & SS 304. The Optimal design of impeller and diffuser enables the best possible hydraulic efficiency. Genvik products are engineered to perfection with utmost care and stringent quality control at all stages to ensure a trouble free service.

KL series are pre-filled with non -toxic liquid for best performance in low voltage and high efficiency.

### MODEL IDENTIFICATION



### FEATURES

Motor portion covered with corrosive resistance SS 304 shell
More durability and hygiene
High operating efficiency
Specially designed thrust bearing to withstand high axial thrust load
Extremely hardwearing water lubricated bearing
Thread type motor construction ensures service feasibility
Designed for wide voltage operation
Additional intermediate bearing in higher stage pumps

### APPLICATIONS

Domestic
Gardens
Irrigation
Agriculture
Farms
Industrial

### SPECIFICATION

#### 80mm (3") SUBMERSIBLE PUMPSET

	KW Series	KL Series
Power range	0.37 kW - 1.1kW (0.5HP - 1.5HP)	0.37 kW - 1.1kW (0.5HP - 1.5HP)
Speed	2800 RPM	2800 RPM
Version	Single Phase, 220V 50Hz, AC Supply	Single Phase, 220V 50Hz, AC Supply
Maximum total head	155 metre	70 metre
Maximum flow rate	1.5 lps (5.40 m <sup>3</sup> /h)	1.5 lps (5.40 m <sup>3</sup> /h)
Maximum outer diameter	78 mm	78 mm
Nominal outlet size	25 & 32 mm	32 mm
Degree of protection	IP 58	IP 58
Direction of rotation	Counter clockwise from driving end	Counter clockwise from driving end
Thrust load	650 lbs	650 lbs
Minimum cooling flow along the motor	0.15 m/sec	0.15 m/sec
Type of duty	S1 (Continuous)	S1 (Continuous)
Method of starting	Capacitor Start Capacitor Run (CSCR)	Capacitor Start Capacitor Run (CSCR)
Maximum starts per hour	20 times	20 times

### MATERIALS OF CONSTRUCTION

#### PUMPS

Part Name	Material
Check valve housing	Cast Iron
Outer shell	Stainless Steel
Impeller	Noryl / Delrin
Diffuser chamber	Noryl
Counter thrust pad	Hylem
Intermediate bearing (Sleeve / Bush)	SS - 304 / NBR
Suction inter connector	Cast Iron
Pump shaft	SS - 304
Coupling	SS 410

#### MOTORS

Part Name	Material
Stator shell	SS 304
Shaft seal	Nitrile butyl rubber
Journal bushes	LTB 4 / Carbon
Thrust Assembly	SS 420 and Graphite Carbon
Motor base	Cast iron
Motor Shaft	SS - 431
Snap Ring	SS - 316

80mm (3") BOREWELL SUBMERSIBLE  
PUMPSETS - WATER FILLED

2800 RPM - At Rated Voltage - Single Phase 220 Volts, 50Hz, AC Supply  
Max. Outer Diameter : 73 mm / 76 mm / 78 mm

### RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m <sup>3</sup> /hr lps	0	0.72	1.08	1.44	1.80	2.16	2.52	2.88	3.24
						0	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
KW3A-07/12	0.55	0.75	12	32	Head in Metres	43.6	43.1	42.4	41.5	40.4	39.2	37.8		
KW3A-10/17*#	0.75	1.0	17	32		75.7	70.8	67.2	63.3	59.0	54.2	50.0	40.3	33.0
KW3A-15/24*#	1.1	1.5	24	32		104.7	100.7	97.2	92.5	87.5	79.5	70.8	59.9	49.8

Model	kW	HP	Stage	Outlet Size in mm	m <sup>3</sup> /hr lps	0	0.72	1.44	2.16	2.88	3.60	4.32	5.04	5.40
						0	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.50
KW3C-10/10	0.75	1.0	10	32	Head in Metres	38.6	38.3	37.3	35.5	33.2	29.1	21.7	16.1	12.2
KW3C-10/12*#	0.75	1.0	12	32		43.7	43.2	42.2	40.0	35.7	30.0	24.8	17.1	12.2
KW3C-15/15*#	1.1	1.5	15	32		58.9	58.1	56.2	53.4	48.8	41.0	32.6	22.4	16.5

Model	kW	HP	Stage	Outlet Size in mm	m <sup>3</sup> /hr lps	0	0.72	1.08	1.26	1.44	1.62	1.80
						0	0.20	0.30	0.35	0.40	0.45	0.50
KW3D-10/25	0.75	1.0	25	32	Head in Metres	99.0	90.5	82.0	74.0	62.0	49.0	30.0
KW3D-15/38	1.1	1.5	38	32		155.6	136.4	118.0	107.9	96.0	81.6	60.4

80mm (3") BOREWELL SUBMERSIBLE  
PUMPSETS - LIQUID FILLED

2800 RPM - At Rated Voltage - Single Phase 220 Volts, 50Hz, AC Supply  
Max. Outer Diameter : 73 mm

### RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m <sup>3</sup> /hr lps	0	0.72	1.08	1.44	1.80	2.16	2.52	2.88	3.24
						0	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
KL3A-10/17	0.75	1.0	17	32	Head in Metres	70	66	64	62	55	49	44	34	24

Model	kW	HP	Stage	Outlet Size in mm	m <sup>3</sup> /hr lps	0	0.72	1.44	2.16	2.88	3.60	4.32	5.04	5.40
						0	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.50
KL3C-10/10	0.75	1.0	10	32	Head in Metres	37	35	33	32	30	28	23	18	13
KL3C-10/12*#	0.75	1.0	12	32		44	42	40	39	36	31	25	20	14
KL3C-15/15*#	1.1	1.5	15	32		58.9	58.1	56.2	53.4	48.8	41.0	32.6	22.4	16.5

The Given details / drawings / specifications are subject to change without prior notice.