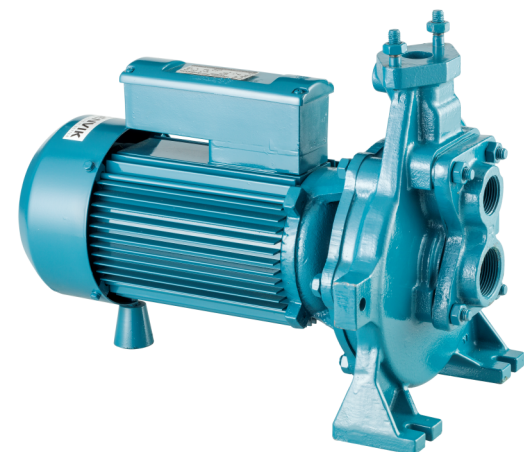
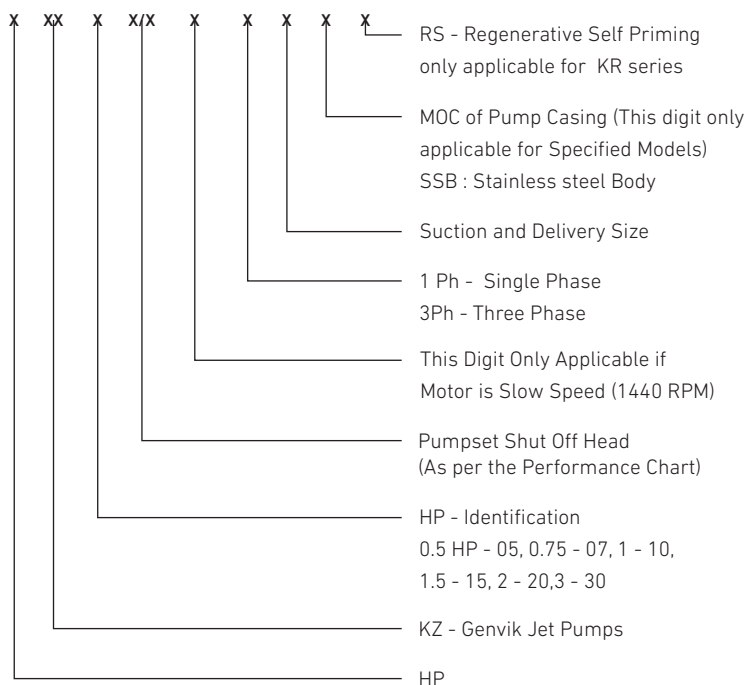


### DESCRIPTION

Genvik Deep well Jet Centrifugal Pumpsets volute Chamber and impellers are designed to give the best possible hydraulic efficiency and suction lift characteristics. Motor stator is made of low watt loss ferro silicon steel laminations. The winding are of high grade enameled copper wire and are varnish impregnated. Construction of motor frame and usage of quality materials result in high performance and low temperature raise, thereby increasing the life cycle of the motor.

Genvik Deep well Jet Centrifugal pumpsets are available in twin type and packer type versions. Twin type is suitable for borewells with a diameter of 75mm (3") and above. In twin type jet Pumpsets there are two pipes viz. suction pipe and pressure pipe which connects the jet assembly to the pump. Pressurized water flows through the pressure pipe to the nozzle from the pump casing. Water sucked through the foot valve and the water passing through the nozzle mix together and flow of tube well does the function of pressure pipe, i.e. Pressurized water flows through the tube well casing and enters the nozzle. Hence one pipe is eliminated.

### MODEL IDENTIFICATION



### FEATURES

Good suction lift characteristics
High operating efficiency resulting in lower power consumption
Inbuilt thermal over load protector
The pumpset can be installed both in horizontal and vertical position
Available in CI, Bronze and Noryl Impellers
Available in Aluminium & CI Frame motor body

### APPLICATIONS

Domestic
Farms
Gardens
Civil applications

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

### SPECIFICATION

#### AJ & BP Series

Power range	0.37 kW(1HP) - 1.5 kW (0.5HP - 2HP)
Speed	2880 RPM
Version	Single phase 220 - 240V; Three phase 380 - 415V, 50HZ AC Supply
Maximum suction lift/ head	92 metre
Maximum flow rate	50 lpm (3m <sup>3</sup> /hr)
Degree of protection	IP 44 / IP 54
Class of insulation	"B"
Direction of rotation	1Ph - Clockwise driving end, (A18, A19, A40, A41) - CCW from driving end
	Three Phase -Electrically Reversible
Type of duty	S1 (Continuous)
Method of starting	Permanent Split Capacitor (PSC)
Nominal pumpset size (S x P x D)	32 x 25 x 25 x 40 x 32 x 25 mm

### MATERIALS OF CONSTRUCTION

#### PUMPSET

Part Name	Material
Pump Casing	Cast Iron
Bracket / Rear Cover	Cast Iron
Impeller	Cast Iron / Bronze / Noryl
Motor Frame	Cast Iron / Aluminium / Mild Steel
Shaft	SS 410
Mechanical Seal	Carbon & Ceramic
Jet Assembly	Gun metal

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### SINGLE STAGE CENTRIFUGAL JET PUMPSETS

2800 RPM - At Rated Voltage - 1Ph 220-240 Volts,  
3Ph 380-400 Volts, 50Hz, AC Supply.

Model	kW	HP	Min. Bore Dia in mm	Pipe size in mm			Delivery Head in mtrs	m <sup>3</sup> /hr	0.39	0.49	0.60	0.79	1.00	1.39	1.80	2.20	2.59	3.00
				Suction	Press-ure	Delivery												
								lpm	6.65	8.27	10	13.33	16.67	23.33	30	36.67	43.33	50
KZ05-31	0.37	0.5	100	32	25	25	13.7	Head in Metres	31	28.6	26.6	23	20.7	15.5				
KZ10-36	0.75	1	100	32	25	25	15.2		36	34	33	30	27.7	21.8	17	13		
KZ10-42	0.75	1	100	32	25	25	15.2		42	39	36.3	30.7	25.2	14.5				
KZ10-25	0.75	1	115	40	32	25	15.2		25	24.5	24	23	22	20	18	16.2	14.3	12.5
KZ15-52	1.1	1.5	100	32	25	25	15.2		52.4	48	45	39	22					

Model	kW	HP	Min. Bore Dia in mm	Pipe size in mm			Delivery Head in mtrs	m <sup>3</sup> /hr	0.25	0.35	0.49	0.54	0.63	0.70	0.85	0.92	0.94	0.98
				Suction	Press-ure	Delivery												
								lpm	4.17	5.83	8.17	9.00	10.42	11.67	14.17	15.33	15.67	16.33
KZ10-58	0.75	1	100	32	25	25	15.2	Head in Metres	58	55	49	46	43	40	36.5	32.5	30	27.5

Model	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe size in mm			Delivery Head in mtrs	m <sup>3</sup> /hr	0.30	0.35	0.40	0.44	0.45	0.46	0.49	0.55	0.58	0.60	0.62	0.64	0.65	0.66	0.68	0.70
					Suction	Press-ure	Delivery																		
									lpm	5	5.83	6.67	7.33	7.5	7.67	8.33	9.17	9.67	10	10.33	10.67	10.83	11	11.33	11.67
KZ20-92	1.5	2	2	100	32	25	25	16.8	Head in Metres	92	89	84.8	82	80.5	79	77.5	74	72	71	69.7	68.5	66	65	52	37

Model	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe size in mm			Delivery Head in mtrs	m <sup>3</sup> /hr	0.14	0.22	0.30	0.35	0.42	0.53	0.61	0.73	0.82	0.92	1.03
					Suction	Press-ure	Delivery													
									lpm	2.38	3.67	5.07	5.82	6.95	8.77	10.12	12.2	13.67	15.25	17.17
KZ15-54	1.1	1.5	2	100	32	25	25	15.2	Head in Metres	54	51.5	49	48	46	42	39	34.6	33	30	22.7

Model	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe size in mm			Delivery Head in mtrs	m <sup>3</sup> /hr	0.33	0.38	0.40	0.46	0.54	0.60	0.65	0.68	0.70	0.72	0.73	0.75
					Suction	Press-ure	Delivery														
									lpm	5.5	6.33	6.67	7.67	9	10	10.83	11.33	11.67	12	12.17	12.5
KZ10-600.75	1	2	100	32	25	25	15.2	59.6	Head in Metres	57	55	51.5	47	45	41	39.5	37	36	34	28	

Model	kW	HP	Min. Bore Dia in mm	Pipe size in mm			Delivery Head in mtrs	m <sup>3</sup> /hr	0	0.39	0.49	0.60	0.79	1.00	1.39	1.80
				Suction	Press-ure	Delivery										
								lpm	0	6.65	8.27	10	13.33	16.67	23.33	30
KZ10-32	0.75	1	50	32	25	25	15.2	Head in Metres	31.5	26.5	25	24	21	19.7	16	13
KZ10-45	0.75	1	50	32	25	25	15.2		45	33	31	27.6	22	18		

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