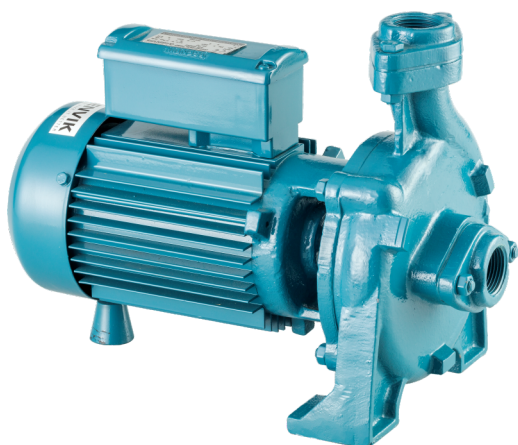
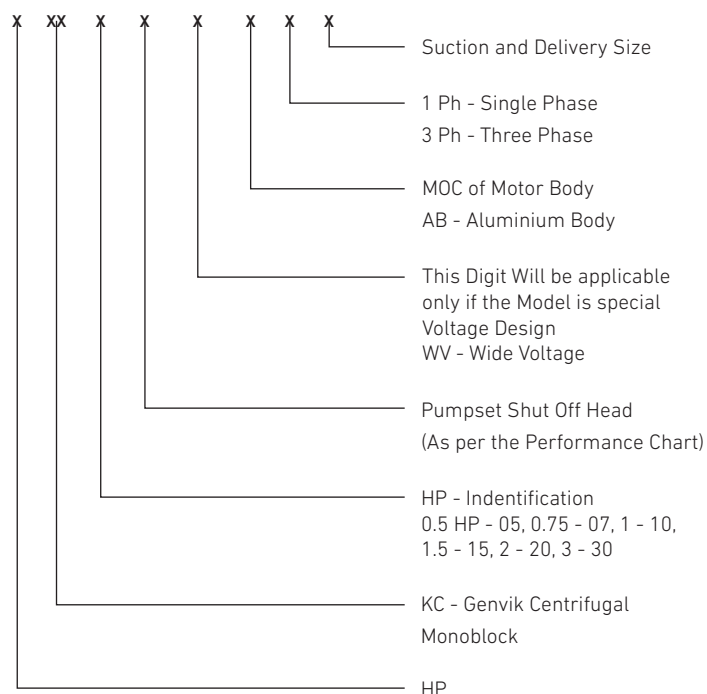


DESCRIPTION

Genvik Centrifugal Monoblock pumpsets are powered by a totally enclosed fan cooled AC induction two pole motor. Motor stator is made of low watt loss silicon steel laminations assembled under pressure and rigidly locked in the frame. The windings are of high-grade enameled copper wire offer excellent resistance and are varnish impregnated. Construction of motor frame and usage of quality materials result in high performance and low temperature rise thereby increasing the life cycle of the motor.



MODEL IDENTIFICATION



FEATURES

High operating efficiency	Domestic
Motor is designed with higher cooling effect to ensure the life	Multi storey buildings
Easy to dismantle and repair	Irrigation
Available in SS 304, CI and Noryl impellers	Gardens
Available with 3 metre and 10 metre cable length	Rural water supply

APPLICATIONS

SPECIFICATION

Centrifugal MONOBLOCK Pumpsets

Power range	0.37 kW - 2.2 kW (0.5 HP - 3 HP)	
Speed	2880 RPM	
Version	1Ph - 220 - 240V; 3Ph - 380 - 415V, 50Hz AC Supply.	
Maximum total head	60 metre	34 metre
Maximum flow rate	18 lps (64.8m ³ /hr)	9 lps (32.4m ³ /hr)
Maximum suction lift	7 metre	
Degree of protection	IP 44 / IP 54	
Class of insulation	B	
Maximum ambient temperature	40°C	
Sealing	Mechanical seal	
Type of duty	S1 (Continuous)	
Method of starting	Permanent Split Capacitor (PSC)	
Direction of rotation	1Ph - Clockwise from driving end; 3Ph - Electrically reversible	
Nominal pumpset size (Suction X Delivery)	25 x 25, 32 x 25, 40 x 32, 40 x 40, 50 x 40, 50 x 50, 65 x 50, 80 x 65, 80 x 80, 100 x 80 & 100 x 100 mm	

MATERIALS OF CONSTRUCTION

PUMPSET

Part Name	Material
Rear Cover / Bracket	Cast Iron
Motor Frame	Cast iron / Aluminium
Shaft	SS 410
Impeller	Cast iron / SS 304 / Noryl
Pump Casing	Cast iron
Mechanical Seal	Carbon & Ceramic

PUMPSET

Part Name	Material
Pump Casing	Cast Iron
Impeller	Cast iron & Noryl
Front Bracket	Cast Iron
Motor Frame	Cast iron & Aluminium
Back Cover	Cast iron & Aluminium
Mechanical Seal	Carbon & Ceramic
Cooling Fan	Polypropylene
Cooling Fan Cover	Mild Steel

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

SINGLE STAGE CENTRIFUGAL MONOBLOCK PUMPSETS

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

Model	Body	kW	HP	Outlet Size in mm	m ³ /hr lps	0	2.2	2.6	3.8	4.2	4.6	5.4	6.1	6.8	7.6	8.3	9.0	9.7	10.4	11.2	11.9
						0	0.6	0.7	1.0	1.2	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3
KC07-35	AL	0.55	0.75	25X25	Head in Metres	34.5	29.6	29.0	28.2	28.0	27.8	26.4	17.0	18.0							
KC15-43	AL	1.1	1.5	32X25	Head in Metres	43.0			37.5	37.2	36.8	36.1	35.4	34.5	33.5	32.8	32.0	31.0	29.8	28.3	23.0

Model	Body	kW	HP	Outlet Size in mm	m ³ /hr lps	0	18.0	21.6	25.2	28.8	32.4	36.0	39.6	43.2	46.8	50.4	54.0
						0	5	6	7.1	8	9	10	11	12	13	14	15
KC20-15	CI	1.5	2	80 x 80	Head in Metres	14.5		12.3	11.5	10.7	9.7	9.5	9.0	8.2	7.2	6.0	5.0
KC30-36	CI	2.2	2	50 x 50	Head in Metres	36.0	30.5	12.5	8.0								
KC30-25	CI	2.2	3	65 x 50	Head in Metres	25.0		23.0	21.9	20.5	19.0	17.4	15.4	13.4	10.9		

Model	Body	kW	HP	Outlet Size in mm	m ³ /hr lps	0	3.8	4.2	4.6	5.4	6.1	6.8	7.6	8.3	9.0	9.7	10.4	11.2	11.9	12.6	13.3
						0	1.1	1.2	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7
KC15-23	CI	1.1	1.5	50x40	Head in Metres	23.0	21.3	21.2	21.0	20.6	20.3	20.0	19.7	19.4	18.9	18.6	18.0	17.6	16.9	16.0	15.5

Model	Body	kW	HP	Outlet Size in mm	m ³ /hr lps	0	2.20	2.59	3.78	4.18	4.61	5.40	6.12	6.84	7.56	8.28	9.00	9.72	10.4	11.1	11.8	12.6	13.3
						0	0.61	0.72	1.05	1.16	1.28	1.50	1.70	1.90	2.10	2.30	2.50	2.70	2.90	3.10	3.30	3.50	3.70
KC05-18	AL	0.37	0.5	25 x 25	Head in Metres	18	16	15.5	14	13	12.5	12											
KC05-17	AL	0.37	0.5	25 x 25		19	16.5	16	15	14.5	14	13	9	8									
KC05-21	AL	0.37	0.5	25 x 25		21	19.5	19	18	17.5	17												
KC05-27	AL	0.37	0.5	25 x 25		27	24	23	21.5	20.5	20	19											
KC10-33	AL	0.75	1	25 x 25		33	31	30	28.5	28	27.5												
KC10-34	AL	0.75	1	25 x 25		34	32	31.5	30.5	30	29.5	29											
KC10-28	AL	0.75	1	32 x 25		28			23.8	23.4	23	22	21.5	21	19.5	19	18	15	14				
KC10-23	CI	0.75	1	40 x 40		23							20	19.5	19	18.5	18	17	16.5	16	15	14	13
KC15-30	AL	1.1	1.5	40 x 32		30						28	27.2	27	26.5	26	25	24.5	24	22	19	14	12

Model	Body	kW	HP	Outlet Size in mm	m ³ /hr lps	0	6.84	7.56	8.28	9.00	9.72	10.44	11.16	11.88	12.60	13.32
						0	1.90	2.10	2.30	2.50	2.70	2.90	3.10	3.30	3.50	3.70
KC05-15	AL	0.37	0.5	40 x 40	Head in Metres	14.5	12.8	12.5	12.2	12	11.5	11	10.5	10	9.5	7

Model	Body	kW	HP	Outlet Size in mm	m ³ /hr lps	0	4.50	6.80	7.31	7.60	8.21	8.39	8.57	9.00	14.04	14.98	22.50	23.98	25.60	28.01	29.99
						0	1.25	1.89	2.03	2.11	2.28	2.33	2.38	2.50	3.90	4.16	6.25	6.66	7.11	7.78	8.33
KC10-33	AL	0.75	1	32 x 25	Head in Metres	33	30	29	28.5	28	27.5	27	26.5	26							
KC10-14	CI	0.75	1	50 x 50		14							13.5	13	12.2	12	9.5	9	8	7.5	7
KC15-34	AL	1.1	1.5	32 x 25		34	31	30	29.4	29	28.7	28.5	28	27.5							
KC15-14	CI	1.1	1.5	50 x 50		14			13.8					13.5	12.5	12	10	9	8.5	6	

Model	kW	HP	Stage	Outlet Size in mm	m³/hr	0	10.80	14.40	18.00	21.60	25.20	28.803	32.40
					lps	0	3.00	4.00	5.00	6.00	7.00	8.00	9.00
KC20-23	CI	1.5	2	50 x 50	Head in Metres	23	21	20	18	15	9		
KC20-21	CI	1.5	2	65 x 50		21	20	19.5	19	17	16	14	11