



C.R.I. PUMPS

Pumping trust. Worldwide.



RESIDENTIAL PRODUCT CATALOGUE

• Domestic • Gardens • Irrigation • Agriculture • Farms • Industrial



Vision, Mission and Values

To be the industry leader providing best-in-class fluid management solutions to individual and institutional customers and societies in our chosen markets.

We will achieve this through our dedicated efforts to enhance the welfare of all our stakeholders and by living by our values of **commitment, reliability and innovation.**

ABOUT US

Commitment - Reliability - Innovation : C.R.I. has evolved itself as a key player in the world's pump industry with an unbeatable presence in fluid management systems. From Pumps, Valves, Pipes, IoT Drives & Controllers, Wires & Cables to Solar Pumping Systems and Motors, we have meticulously carved every single product involved in fluid management and delivered to our millions of happy customers. With 9000+ products, we cater to the flow management needs across various industries like Solar, Waste Water, Building, Pharma, Oil & Gas, Chemical, Power, Machine Tool, Paper & Pulp, Mining, Process Industries, Agriculture, Residential, Community Water Supply, Food & Beverage applications. We have strong foothold in 120+ countries and fully owned 15 subsidiaries, all of which stand witness to our indomitable spirit to continue to be the leader in the fluid management systems.

Unique features of C.R.I.

- 50+ years of engineering expertise
- A formidable Global Player with 20,000 Outlets and 1500 Service Centres
- One among the few leaders in the industry to produce 100% stainless steel pumps
- Fully equipped with state-of-the-art machinery in over a 3 lakh square metre production area
- Cutting-edge technology and techniques in manufacturing processes
- Indian & International quality certifications like CE, CSA, TSE, NSF, ISI, ISO 9001, ISO 14001 and OHSAS 18001
- Winner of EEP (Engineering Export Promotion Council) Award for 15 times
- Winner of National Energy Conservation Award for 6 times
- A Ministry of Science & Technology recognized R & D wing "Fludyn Advanced Technology Centre"
- Fully mechanized and automated Foundry with state-of-the-art technology

C.R.I. Valves - State-of-the-art manufacturing facility produces wide range of valves for both water and industrial applications

C.R.I. Pipes - C.R.I.'s state-of-the-art manufacturing facility at Ahmedabad & Hosur produces all kinds of best quality pipes & fittings. The plants are empowered with fully automated machines that control the manufacturing process.

C.R.I. Wires & Cables - C.R.I.'s Wires & Cables are manufactured at its state-of-the-art manufacturing facility. The systems at the manufacturing facility are ISO-9001 certified and the products manufactured to meet the relevant standards.

C.R.I. Solar Pumping System - C.R.I. manufactures sustainable Solar Pumping Systems designed to work with best in class efficiency. With this C.R.I. emphasizes its focus towards greener technology.



80mm & 85mm Borewell Submersible Pumpsets - LENA / LENA+ Series

C.R.I. LENA 80mm & LENA+ 85mm Borewell 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. C.R.I. products are engineered to perfection with utmost care and stringent quality control at all stages to ensure a trouble free service.

SPECIFICATIONS	80mm LENA	85mm LENA+
Power range	0.55 kW - 1.1 kW (0.75 HP - 1.5 HP)	0.75 kW - 1.5 kW (1 HP - 2 HP)
Speed	2800 RPM	2900 RPM
Version	Single Phase, 220V 50Hz, AC Supply	Single Phase, 220V 50Hz, AC Supply
Maximum total head	156 metre	214 metre
Maximum flow rate	1.5 lps (5.40 m³/h)	0.9 lps (3.4 m³/h)
Maximum outer diameter	78 mm	92 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

SALIENT FEATURES

- Motor portion covered with corrosive resistance Stainless Steel (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

PERFORMANCE CHART

LENA SERIES

80mm BOREWELL SUBMERSIBLE PUMPSETS

2800 RPM - At Rated Voltage - Single Phase 220 Volts, 50Hz, A.C. Supply.

Maximum Outer Diameter : 74mm (R36) / 76mm (R30, R33, R34 & R35) / 78mm (R31)

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /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
CRI3R-30/32	0.75	1	32	25	Head in Metres	89	83	77	70	61	49	33		
CRI3R-31/12	0.55	0.75	12	32		44	43	42	42	40	39	38		
CRI3R-31/17*	0.75	1	17	32		76	71	67	63	59	54	50	40	33
CRI3R-31/24	0.75	1	24	32		103	101	97	90	85	78	70	58	50
CRI3R-31/24*	1.1	1.5	24	32		105	101	97	93	88	80	71	60	50

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /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
CRI3R-33/10	0.75	1	10	32	Head in Metres	39	38	37	36	33	29	22	16	12
CRI3R-33/15	1.1	1.5	15	32		59	58	56	53	49	41	33	22	17

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	0.72	1.08	1.26	1.44	1.62	1.80	2.16	2.88	3.60	4.32	5.04
						0	0.20	0.30	0.35	0.40	0.45	0.50	0.60	0.80	1.00	1.20	1.40
CRI3R-34/38	1.1	1.5	38	32	Head in Metres	156	136	118	108	96	82	60					
CRI3R-36/12	0.75	1	12	32		48	45	43	42	41	39	38	35	31	26	20	15
CRI3R-36/15	0.75	1	15	32		60	55	52	51	49	48	46	43	41	33	26	19
CRI3R-36/17	1.1	1.5	17	32		67	64	62	60	58	57	55	52	45	39	30	22

* Marked pumpsets are having ISI licence.

PERFORMANCE CHART



LENA+ SERIES

85mm BOREWELL SUBMERSIBLE PUMPSETS

2800 RPM – At Rated Voltage – Single Phase 220 Volts, 50Hz, A.C. Supply.

Maximum Outer Diameter : 92mm

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /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
WCGBK-3/1.0/16	0.75	1.0	16	32	Head in Metres	71	69	66	63	60	52	44	34	23
WCGBK-3/1.5/22	1.1	1.5	22	32		99	96	93	90	84	75	64	50	36
WCGBK-3/2/32	1.5	2.0	32	32		140	136	132	126	116	101	88	70	49
WCGBK-3/2/40	1.5	2.0	40	32		176	169	164	154	140	120	100	85	43
WCGBK-3/2/50	1.5	2.0	50	32		214	208	202	191	173	150	122	90	51

MATERIAL OF CONSTRUCTION - PUMP

Part Name	Material
Check valve housing	Cast iron
Outer shell	Stainless Steel
Impeller	Noryl
Diffuser chamber	Noryl
Counter thrust pad	Hylem
Intermediate bearing (Sleeve / Bush)	SS - 410 / NBR
Suction inter connector	Cast iron
Pump shaft	SS - 304 / 431 / 410
Coupling	SS - 410

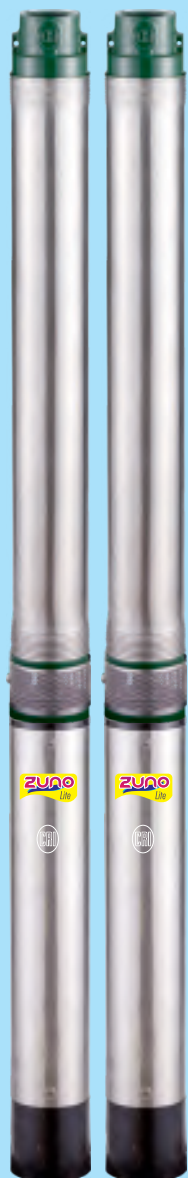
MATERIAL OF CONSTRUCTION - MOTOR

Part Name	Material
Stator shell	Stainless Steel
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 Borewell Submersible Pumpsets ZUNO Lite Series

C.R.I. ZUNO Lite 80 mm Borewell submersible motors are pre-filled with non-toxic liquid for best performance in low voltage and high efficiency. The pump is firmly coupled to a submersible electric motor which operates submerged beneath the surface of water. The optimal design of impeller and diffuser enables the best possible hydraulic efficiency. Built-in check valve prevents back flow and reduces the risk of water hammering. All vital components of these pumps are made up of corrosive resistance thermoplastic and the shaft is of SS 431.



SPECIFICATIONS	80mm ZUNO Lite
Power range	0.75 kW & 1.1 kW (1.0 HP & 1.5 HP)
Speed	2800 RPM
Version	Single Phase, 220V 50Hz, AC Supply
Maximum total head	70 metre
Maximum flow rate	1.5 lps (5.40 m ³ /h)
Maximum outer diameter	78 mm
Nominal outlet size	32 mm
Degree of protection	IP 58
Direction of rotation	Counter clockwise from driving end
Thrust load	650 lbs
Minimum cooling flow along the motor	0.15 m/sec
Type of duty	S1 (Continuous)
Method of starting	Capacitor Start Capacitor Run (CSCR)
Maximum starts per hour	20 times

SALIENT FEATURES

- Motor portion covered with corrosive resistance Stainless Steel (SS 304) shell
- More durability and hygiene • High operating efficiency • Designed for wide voltage operation • Additional intermediate bearing in higher stage pumps

APPLICATIONS

- Domestic
- Gardens
- Irrigation
- Agriculture
- Farms
- Industrial

PERFORMANCE CHART



ZUNO Lite SERIES

80mm BOREWELL SUBMERSIBLE PUMPSETS

2800 RPM – At Rated Voltage – Single Phase 220 Volts, 50Hz, A.C. Supply.

Maximum Outer Diameter : 78mm

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	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
CRI3R-31/17	0.75	1.0	17	32	Head in Metres	70	66	64	62	55	49	44	34	24

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	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
CRI3R-33/10	0.75	1.0	10	32	Head in Metres	37	35	33	32	30	28	23	18	13
CRI3R-33/12	0.75	1.0	12	32		44	42	40	39	36	31	25	20	14
CRI3R-33/15	1.1	1.5	15	32		59	58	56	53	49	41	33	22	17

MATERIAL OF CONSTRUCTION - PUMP

Part Name	Material
Check valve housing	Cast iron
Outer shell	Stainless Steel
Impeller	Noryl
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

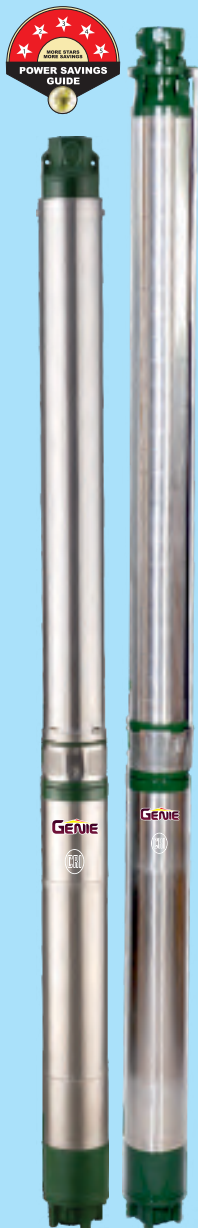
MATERIAL OF CONSTRUCTION - MOTOR

Part Name	Material
Stator shell	SS 304
Shaft seal	Nitrile Butyl Rubber / Mechanical Seal
Motor base	Cast iron
Motor Shaft	SS - 431
Bearing	SS Ball Bearing
Snap Ring	SS - 316



100mm Borewell Submersible Pumpsets GENIE Series

C.R.I. Genie 100 mm Borewell submersible pump is firmly coupled to a submersible electric motor which operates submerged beneath the surface of water. The optimal design of impeller and diffuser enables the best possible hydraulic efficiency. Built-in check valve prevents back flow and reduces the risk of water hammering. All vital components of these pumps are made up of corrosive resistance thermoplastic and with stainless steel shaft.



SPECIFICATIONS	100mm GENIE
Power range	0.37 kW - 5.5 kW (0.5 HP - 7.5 HP)
Speed	2850 RPM
Version	Single phase 220V, Three phase 380 - 400V, 50Hz, AC Supply
Maximum total head	568 metre
Maximum flow rate	7 lps (25.20 m ³ /h)
Maximum outer diameter	98 mm
Nominal outlet size	32, 40, 50 & 65 mm
Degree of protection	IP 58
Direction of rotation	1Ph -Counter clockwise from driving end; 3Ph -Electrically Reversible
Thrust load	0.37kW - 0.75kW - 650 lbs; 1.1kW - 1.5kW - 1000 lbs; 2.2kW - 7.5kW - 1500 lbs
Minimum cooling flow along the motor	0.15 m/sec
Type of duty	S1 (Continuous)
Method of starting	1Ph -Capacitor Start Capacitor Run(CSCR); 3Ph -Direct Online(D.O.L)
Maximum starts per hour	20 times

SALIENT FEATURES

- Motor portion covered with corrosive resistance Stainless steel (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 rigidity & service feasibility • Designed for wide voltage operation • Additional intermediate bearing in higher stage pumps

APPLICATIONS

- Domestic and municipal water supply
- Rural water supply
- Sprinkler system
- Pressure boosting units
- Fire fighting system
- Industrial and mining application
- Fountains

PERFORMANCE CHART



GENIE SERIES
100mm BOREWELL SUBMERSIBLE PUMPSETS

2850 RPM - At Rated Voltage - Single Phase - 220 Volts,
Three Phase - 380 - 400 Volts 50Hz, A.C. Supply.

Maximum Outer Diameter : 98mm

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	0.72	1.08	1.44	1.80	2.16	2.52	2.88	Star Rating
						0	0.2	0.3	0.4	0.5	0.6	0.7	0.8	
CRI4F-1F/07*	0.37	0.5	7	32	Head in Metres	59	55	52	47	40	31	17		
CRI4F-1F/11	0.55	0.75	11	32		88	83	77	69	60	40	18		3
CRI4F-1F/16*	0.75	1	16	32		129	125	121	106	84	56	34	18	2
CRI4F-1F/21*	1.1	1.5	21	32		176	167	155	136	112	82	33		2
CRI4F-1F/27*	1.5	2	27	32		218	208	197	179	152	113	57		2
CRI4F-2/32*	2.2	3	32	32		245	238	231	223	211	192	168	141	

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	1.44	1.80	2.16	2.52	2.88	3.24	3.60	4.32	Star Rating
						0	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	
CRI4F-3/14*	1.1	1.5	14	32	Head in Metres	110	102	98	94	90	85	77	67	44	3

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	0.72	1.08	1.44	1.80	2.16	2.52	2.88	3.24
						0	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
CRI4R-2/40*	2.2	3	40	32/40	Head in Metres	278	264	253	240	221	202	176	146	
CRI4R-2/52*	3.7	5	52	32/40		359	347	334	315	290	258	228	191	152
CRI4R-2/55	4.5	6	55	32/40		388	369	354	334	308	277	240	208	
CRI4R-2/60	4.5	6	60	32/40		410	399	384	364	335	295	263	222	
CRI4R-2/65	5.5	7.5	65	32/40		466	437	418	390	357	320	283	242	
CRI4R-2/70	5.5	7.5	70	32/40		497	472	451	421	388	346	300	254	
CRI4R-2/75	5.5	7.5	75	32/40		502	473	457	440	422	396	341	259	

* Marked pumpsets are having ISI licence

PERFORMANCE CHART

GENIE SERIES
100mm BOREWELL SUBMERSIBLE PUMPSETS

RADIAL FLOW

2850 RPM - At Rated Voltage - Single Phase - 220 Volts,

Three Phase - 380 - 400 Volts 50Hz, A.C. Supply.

Maximum Outer Diameter : 98mm

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	0.72	1.08	1.44	1.80	2.16	2.52	2.88	3.24	Star Rating
						0	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	
CRI4R-2N/06*	0.37	0.5	6	32	Head in Metres	45	42	39	36	33	29	25	22	17	2
CRI4R-2N/08*	0.55	0.75	8	32		62	57	54	50	46	41	35	29	22	
CRI4R-2N/11*	0.75	1	11	32		84	76	72	66	61	54	47	40	30	2
CRI4R-2N/13*	0.75	1	13	32		97	88	82	76	69	60	51	43	33	2
CRI4R-2N/17*	1.1	1.5	17	32		127	117	110	102	94	82	72	59	47	2
CRI4R-2N/19*	1.1	1.5	19	32		141	129	122	112	102	90	80	66	50	2
CRI4R-2N/23*	1.5	2	23	32		172	158	148	137	125	111	95	81	64	2
CRI4R-2N/25*	1.5	2	25	32		183	167	158	146	134	119	102	83	65	2
CRI4R-2N/30	1.5	2	30	32		220	198	184	169	155	138	115	94	73	2
CRI4R-2N/32	2.2	3	32	32/40		241	224	210	194	178	160	139	115	88	2
CRI4R-2N/35*	2.2	3	35	32/40		261	240	224	206	189	169	145	119	90	3
CRI4R-2N/38*	2.2	3	38	32/40		279	256	240	223	201	179	153	121		2
CRI4R-2N/42*	3	4	42	32/40		313	286	269	250	228	202	174	143	113	2
CRI4R-2N/50	3	4	50	32		369	338	315	292	266	234	198	166	125	
CRI4R-2N/52*	3.7	5	52	32/40		388	353	332	309	283	252	216	176	133	2
CRI4R-2N/60	4.5	6	60	32		459	426	401	368	329	298	251	201	151	
CRI4R-2N/65	5.5	7.5	65	40		497	451	425	395	360	315	270	220	158	
CRI4R-2N/70	5.5	7.5	70	32		532	487	454	425	384	347	294	235	176	
CRI4R-2N/75	5.5	7.5	75	32		568	530	501	456	410	364	314	251	201	

* Marked pumpsets are having ISI licence

PERFORMANCE CHART



GENIE SERIES
100mm BOREWELL SUBMERSIBLE PUMPSETS

2850 RPM - At Rated Voltage - Single Phase - 220 Volts,
Three Phase - 380 - 400 Volts 50Hz, A.C. Supply.

RADIAL FLOW

Maximum Outer Diameter : 98mm

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	1.80	2.16	2.52	2.88	3.24	3.60	4.32	5.04	Star Rating
						0	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.4	
CRI4R-3E/05	0.8	1	5	32	Head in Metres	37	35	34	32	30	27	24	18	10	
CRI4R-3E/07*	0.75	1	7	32		54	50	49	47	45	43	40	31	24	2
CRI4R-3E/09*	0.75	1	9	32		71	66	64	61	58	54	50	41	32	5
CRI4R-3E/10	0.75	1	10	32		77	66	64	61	58	55	52	44	19	5
CRI4R-3E/11*	1.1	1.5	11	32		89	84	82	79	76	73	69	54	38	
CRI4R-3E/14*	1.5	2	14	32		112	103	99	96	92	88	82	67	50	
CRI4R-3E/15	1.1	1.5	15	32		109	94	91	87	83	78	71	56	38	4
CRI4R-3E/15	1.5	2	15	32		110	95	92	88	84	79	72	57	39	
CRI4R-3E/17*	1.5	2	17	32		121	114	111	107	103	99	91	74	56	
CRI4R-3E/24*	2.2	3	24	32/40		182	171	167	162	157	148	138	120	86	
CRI4R-3E/26*	2.2	3	26	32/40		184	167	162	157	152	147	14	112	39	4
CRI4R-3E/40*	3.7	5	40	32/40		301	272	264	254	240	222	200	152	113	
CRI4R-3E/43*	4.5	6	43	32/40		313	285	275	260	245	232	217	176		
CRI4R-3E/50	5.5	7.5	50	32/40		391	362	352	340	320	297	273	228		
CRI4R-3E/54	5.5	7.5	54	32/40		412	389	382	374	362	346	319	259		2

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	3.24	3.60	4.32	5.04	5.76	6.48	7.20	7.92	Star Rating
						0	0.9	1.0	1.2	1.4	1.6	1.8	2.0	2.2	
CRI4R-5/07*	0.75	1	7	32/40	Head in Metres	50	43	41	38	34	29	24	17	10	4
CRI4R-5/09*	1.1	1.5	9	40		66	58	56	52	47	40	34	28	20	4
CRI4R-5/10*	1.5	2	10	50		73	65	63	59	53	47	39	28	19	
CRI4R-5/12*	1.5	2	12	40		89	78	76	71	65	58	47	35	23	3
CRI4R-5/15*	2.2	3	15	40		111	97	95	89	82	71	59	45	30	3
CRI4R-5/18*	2.2	3	18	40/50		132	116	113	104	95	85	71	53	35	3
CRI4R-5/25*	3.7	5	25	40		181	158	154	144	134	121	101	77	3	
CRI4R-5/27*	3.7	5	27	40		192	169	164	153	138	121	99	75		
CRI4R-5/32*	3.7	5	32	40		215	177	173	161	141	118	97	77		

* Marked pumpsets are having ISI licence

PERFORMANCE CHART

GENIE SERIES
100mm BOREWELL SUBMERSIBLE PUMPSETS

2850 RPM - At Rated Voltage - Single Phase - 220 Volts,
Three Phase - 380 - 400 Volts 50Hz, A.C. Supply.

RADIAL FLOW

Maximum Outer Diameter : 98mm

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	2.88	3.24	3.60	4.32	5.04	5.76	6.48	7.20	7.92	8.64	9.36	Star Rating
					lps	0	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	
CRI4R-5E/37*	3.7	5	37	40	Head in Metres	224	200	196	191	182	169	156	143	124				2
CRI4R-5E/56	5.5	7.5	56	40		335	293	286	279	261								
CRI4R-7/10	1.1	1.5	10	40		71	62	61	60	57	54	50	45	41	36	31	26	
CRI4R-7E-36*	5.5	7.5	36	40		236	219	216	214	207	201	194	185	176	165	150	131	

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	4.32	5.04	5.76	7.20	7.92	9.36	10.80	Star Rating
					lps	0	1.2	1.4	1.6	2.0	2.2	2.6	3.0	
CRI4R-8/09*	1.5	2	9	40	Head in Metres	66	60	59	56	52	47	35	25	3
CRI4R-8/12	2.2	3	12	50		89	76	74	70	60	54	42	25	
CRI4R-8/14*	2.2	3	14	40/50		104	92	89	85	73	66	53	39	2
CRI4R-8/20*	3.7	5	20	50		147	131	127	122	108	99	79	57	
CRI4R-8/23*	3.7	5	23	40		168	146	141	135	120	109	88	62	2
CRI4R-8/34*	5.5	7.5	34	40		232	215	209	197	169	154	127	85	

MIXED FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	5.40	7.20	9.00	10.80	12.60	14.40	16.20
					lps	0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
CRI4M-8E/8*	1.5	2	8	50/65	Head in Metres	51	44	39	32	25	17		
CRI4M-8E/17	3.7	5	17	50		108	96	85	70	55	40		
CRI4M-13/9	2.2	3	9	50/65		47		41	38	35	31	26	20
CRI4M-13/12	3.7	5	12	50/60		50	48	45	41	32	24		
CRI4M-13/14*	3.7	5	14	50/80		67	61	56	51	44	37		

* Marked pumpsets are having ISI licence

PERFORMANCE CHART



GENIE SERIES
100mm BOREWELL SUBMERSIBLE PUMPSETS

2850 RPM - At Rated Voltage - Single Phase - 220 Volts,
Three Phase - 380 - 400 Volts 50Hz, A.C. Supply.

Maximum Outer Diameter : 98mm

MIXED FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps Head in Metres	0	7.92	10.01	11.99	14.00	15.98	18.00	20.02
						0	2.20	2.78	3.33	3.89	4.44	5.00	5.56
CRI4M-14/07	2.2	3	7	50	Head in Metres	38	33	30	29	22	18	14	9
CRI4M-14/10	2.2	3	10	50	Head in Metres	59	49	45	40	34	29	22	15

MIXED FLOW

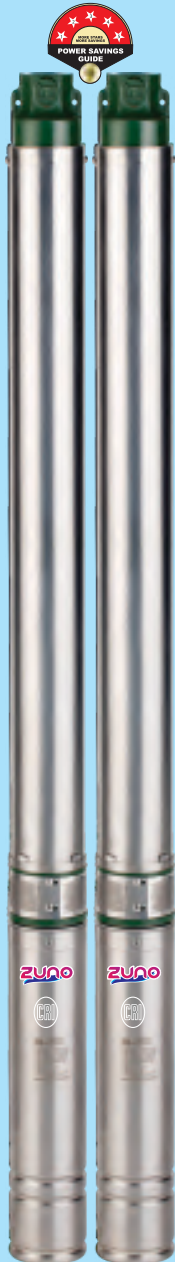
Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps Head in Metres	0	12.6	14.4	16.2	18.0	19.8	21.6	23.4	25.2
						0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0
CRI4P-20/06	1.5	2	6	65	Head in Metres	38	28	26	24	22	19	17	14	11
CRI4P-20/06	2.2	3	6	65	Head in Metres	39	30	28	25	23	20	17	14	11
CRI4P-20/07	2.2	3	7	65	Head in Metres	44	33	31	29	26	23	20	17	14
CRI4P-20/08	2.2	3	8	65	Head in Metres	52	40	38	35	32	28	25	21	18
CRI4P-20/10	3.7	5	10	65	Head in Metres	63	50	46	43	39	35	30	27	23

MATERIAL OF CONSTRUCTION - PUMP

Part Name	Material
Suction housing	Cast iron
Impeller	Noryl / Delrin
Diffuser chamber	SS 304 / Cast Iron / Noryl
Check valve housing	Cast iron
Check valve	Delrin
Outer shell	SS 304
Pump shaft	SS 304 / SS 410 / SS 431
Counter thrust pad	SS 304 / Hylem
Intermediate bearing (Sleeve / Bush)	SS 304 / NBR / LTB 4 / Teflon Carbon / Gunmetal with rubber
Coupling	SS 304 / 410

MATERIAL OF CONSTRUCTION - MOTOR

Part Name	Material
Shaft seal	Nitrile butyl rubber
Rotor Shaft	SS 410 / 431
Stator Shell	SS 441 / SS 304
Journal bushes	Carbon
Snap ring	SS 316
Thrust assembly	SS 420 & Graphite Carbon
Diaphragm	High Nitrile butyl rubber
Motor base	Cast iron



100mm Borewell Submersible Pumpsets ZUNO Series

C.R.I. Zuno 100 mm Borewell submersible motors are pre-filled with non-toxic liquid for best performance in low voltage and high efficiency. The pump is firmly coupled to a submersible electric motor which operates submerged beneath the surface of water. The optimal design of impeller and diffuser enables the best possible hydraulic efficiency. Built-in check valve prevents back flow and reduces the risk of water hammering.

SPECIFICATIONS	100mm ZUNO
Power range	0.37 kW - 1.5 kW (0.5 HP - 3 HP)
Speed	2850 RPM
Version	Single phase 230 V; Three phase 415V, 50Hz, AC Supply
Maximum head	220 metre
Maximum flow rate	7 lps (25.2 m ³ /h)
Maximum outer diameter	98 mm
Nominal outlet size	32, 40 & 50 mm
Degree of protection	IP 58
Direction of rotation	Counter clockwise from driving end - Single phase
Thrust load	0.37kW - 0.75kW - 650 lbs; 1.1kW - 1.5kW - 1000 lbs;
Minimum cooling flow along the motor	0.15 m/sec
Type of duty	S1 (Continuous)
Method of starting	1Ph - CSCR / CSR
Maximum starts per hour	20 times

SALIENT FEATURES

- Motor portion covered with corrosive resistance Stainless steel (SS 304) shell
- More durable and hygiene • High operating efficiency • Specially designed angular contact bearing to withstand high axial thrust load • Easy removal of stator ensures service feasibility • Designed for wide voltage operation • Non-toxic pre filled liquid motor ensures low voltage performance

APPLICATIONS

- Domestic and municipal water supply
- Rural water supply
- Sprinkler system
- Pressure boosting units
- Fire fighting system
- Industrial and mining application
- Fountains

PERFORMANCE CHART



ZUNO SERIES
100mm BOREWELL SUBMERSIBLE PUMPSETS

2850 RPM - At Rated Voltage - Single Phase - 220 Volts,
Three Phase - 380 - 400 Volts 50Hz, A.C. Supply.

Maximum Outer Diameter : 98mm

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	0.72	1.08	1.44	1.80	2.16	2.52	2.88	3.24	Star Rating
						0	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	
CRI4F-1F/07*	0.37	0.5	7	32	Head in Metres	59	55	52	47	40	31	17			
CRI4F-1F/16*	0.75	1	16	32		129	125	121	106	84	56	34	18	4	
CRI4R-2N/06*	0.37	0.5	6	32		45	42	39	36	33	29	25	22	17	5
CRI4R-2N/08*	0.55	0.75	8	32		62	57	54	50	46	41	35	29	22	5
CRI4R-2N/13*	0.75	1	13	32		97	88	82	76	69	60	51	43	33	4
CRI4R-2N/19*	1.1	1.5	19	32		141	129	122	112	102	90	80	66	50	3
CRI4R-2N/25*	1.5	2	25	32		183	167	158	146	134	119	102	83	65	4
CRI4R-2N/30	1.5	2	30	32		220	198	184	169	155	138	115	94	73	

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	1.44	1.80	2.16	2.52	2.88	3.24	3.60	4.32	Star Rating
						0	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	
CRI4F-3/14*	1.1	1.5	14	32	Head in Metres	110	102	98	94	90	85	77	67	44	4

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	1.80	2.16	2.52	2.88	3.24	3.60	4.32	5.04	Star Rating
						0	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.4	
CRI4R-3E/05	0.75	1	5	32	Head in Metres	37	35	34	32	30	27	24	18	10	5
CRI4R-3E/07*	0.75	1	7	32		54	50	49	47	45	43	40	31	24	5
CRI4R-3E/09*	0.75	1	9	32		71	66	64	61	58	54	50	41	32	5
CRI4R-3E/10	0.75	1	10	32		77	66	64	61	58	55	52	44	19	5
CRI4R-3E/11*	1.1	1.5	11	32		89	84	82	79	76	73	69	54	38	4
CRI4R-3E/15	1.1	1.5	15	32		109	94	91	87	83	78	71	56	38	5
CRI4R-3E/14	1.5	2	14	32		112	103	99	96	92	88	82	67	50	
CRI4R-3E/16	1.5	2	16	32		125	118	115	112	106	99	93	77	59	
CRI4R-3E/17	1.5	2	17	32		121	114	111	107	103	99	91	74	56	
CRI4R-3E/24*	2.2	3	24	32/40		182	171	167	162	157	148	138	120	86	

* Marked pumpsets are having ISI licence

PERFORMANCE CHART

ZUNO SERIES
100mm BOREWELL SUBMERSIBLE PUMPSETS

RADIAL FLOW

2850 RPM - At Rated Voltage - Single Phase - 220 Volts,

Three Phase - 380 - 400 Volts 50Hz, A.C. Supply.

Maximum Outer Diameter : 98mm

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	3.24	3.60	4.32	5.04	5.76	6.48	7.20	7.92	Star Rating
						0	0.9	1.0	1.2	1.4	1.6	1.8	2.0	2.2	
CRI4R-5/07*	0.75	1	7	32/40	Head in Metres	50	43	41	38	34	29	24	17	10	5
CRI4R-5/09*	1.1	1.5	9	40		66	58	56	52	47	40	34	28	20	4
CRI4R-5/10*	1.5	2	10	50		73	65	63	59	53	47	39	28	19	
CRI4R-5/12	1.5	2	12	40		89	78	76	71	65	58	47	35	23	
CRI4R-5/15*	2.2	3	15	40		111	97	95	89	82	71	59	45	30	
CRI4R-5/18*	2.2	3	18	40/50		132	116	113	104	95	85	71	53	35	

MIXED FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	5.40	7.20	9.00	10.80	12.60	14.40	16.20
						0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
CRI4M-8E/8	1.5	2	8	65	Head in Metres	51	44	40	32	25	17		
CRI4M-13/9	2.2	3	9	50/65		47		41	38	35	31	26	19.5

MIXED FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	12.6	14.4	16.2	18.0	19.8	21.6	23.4	25.2
						0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0
CRI4P-20/06	2.2	3	6	65	Head in Metres	39	30	28	25	23	20	17	14	11

PERFORMANCE CHART



ZUNO SERIES
100mm BOREWELL SUBMERSIBLE PUMPSETS

2850 RPM - At Rated Voltage - Single Phase - 220 Volts,
Three Phase - 380 - 400 Volts 50Hz, A.C. Supply.
Maximum Outer Diameter : 98mm

MATERIAL OF CONSTRUCTION - PUMP

Part Name	Material
Suction housing	Cast iron
Impeller	Noryl / Delrin
Diffuser chamber	Cast Iron / Noryl / SS 304
Pump shaft	SS 410 / SS 431 / SS 304
Check valve housing	Cast iron
Check valve	Delrin
Outer shell	SS 304
Counter thrust pad	SS 304 / Hylem
Intermediate bearing (Sleeve / Bush)	SS 304 / NBR / LTB 4 (Gun metal with rubber)
Coupling	SS 304 / 410

MATERIAL OF CONSTRUCTION - MOTOR

Part Name	Material
Shaft seal	Nitrile butyl rubber / Mechanical seal
Rotor shaft	SS 410 / SS 431
Stator shell	SS 304
Bearing	SS Ball Bearing & SS Angular contact bearing
Diaphragm	High Nitrile Butyl rubber

STEELIX 4

100mm Borewell Submersible Pumpsets STEELIX Series

C.R.I. offers 100% stainless steel submersibles for domestic and agriculture applications. These pumps are made of corrosive resistance stainless steel which results more longevity and hygiene. The optimal design enables best possible hydraulic efficiency and the wide range of products which is more suitable for saline water and industrial applications.



SPECIFICATIONS	100mm STEELIX
Power range	0.37 kW - 7.5 kW (0.5HP - 10HP)
Speed	2900 RPM
Version	230V Single – Phase; 50Hz, AC supply 380 – 415V Three – Phase; 50Hz, AC supply
Maximum total head	487 metre
Maximum flow rate	Upto 3.05 lps (11 m³/hr)
Nominal outlet size	32, 40 & 50mm
Degree of protection	IP 58
Maximum outer diameter	97 mm
Direction of rotation	Single Phase - Counter Clockwise from driving end Three Phase - Electrically reversible
Minimum cooling flow along the motor	0.15 m /sec
Type of duty	S1 (Continuous)
Method of starting	Single Phase - Capacitor Start Capacitor Run; Three Phase - DOL / SD
Maximum starts per hour	20 times

SALIENT FEATURES

- Motor Pump components are made up of corrosive resistant SS 304 / SS 316 • Motor portion covered with corrosive resistance stainless steel SS 304 / SS 316 shell • Best suitable for saline water and industrial applications • High operating efficiency • More longevity & hygiene • Specially designed thrust bearing or angular contact ball bearing to withstand high axial thrust load • Extremely hard wearing water lubricated bush bearing (or) double sealed ball bearing • Designed for wide voltage operation • Non-toxic liquid filled motor to ensure the low voltage performance • Additional intermediate bearing on higher stage pump to ensure the deflection free rotation of pump

APPLICATIONS

- Residential • Irrigation
- Civil water supply • Fountains
- Fire fighting & Pressure Boosting
- Sprinkler Systems • Industrial & Mining
- Food processing industry • Golf Course
- De – Salination plants

PERFORMANCE CHART



STEELIX SERIES

100mm BOREWELL SUBMERSIBLE PUMPSETS

2900 RPM, At Rated Voltage – Single Phase 230 Volts,

Three Phase 380 / 415 Volts, 50 Hz, A.C. Supply

RADIAL FLOW

Maximum Outer Diameter : 97mm

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.7
						0	0.11	0.16	0.22	0.27	0.33	0.38	0.44	0.47
WA4AS-1/0.5/14	0.37	0.5	14	32	Head in Metres	80	71	65	58	49	39	29	18	13
WA4AS-1/1.0/28	0.75	1	28	32		165	148	135	123	108	90	69	47	35
WA4AS-1/1.5/36	1.1	1.5	36	32		198	182	165	145	123	102	80	54	41

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	0.6	1.0	1.4	1.8	2.0	2.2	2.6
						0	0.16	0.27	0.38	0.50	0.55	0.61	0.72
WA4AS-2/0.5/9	0.37	0.5	9	32	Head in Metres	54	49	45	40	35	30	25	19
WA4AS-2/0.75/15	0.55	0.75	15	32		90	82	78	70	60	57	48	38
WA4AS-2/1/18	0.75	1	18	32		120	115	102	92	80	72	63	50
WA4AS-2/1.5/23	1.1	1.5	23	32		145	140	128	113	93	82	71	57
WA4BS / WC4BS -2/2/28	1.5	2	28	32		180	172	160	142	121	110	98	77
WA4BS-2/2/33	1.5	2	33	32		215	199	183	165	140	124	108	82
WC4BS-2/3/40	2.2	3	40	32		249	232	218	195	165	144	127	92

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
						0	0.41	0.55	0.69	0.83	0.97	1.11	1.25
WA4AS-3/0.75/9	0.55	0.75	9	32	Head in Metres	54	52	50	48	42	35	27	15
WA4AS-3/1/12	0.75	1	12	32		75	69	65	60	54	45	33	20
WA4AS-3/1.5/15	1.1	1.5	15	32		98	90	86	80	72	60	45	28
WA4AS-3/1.5/18	1.1	1.5	18	32		110	106	102	95	86	73	52	34
WA4BS-3/2/22	1.5	2	22	32		145	140	130	120	105	88	65	40
WA4BS / WC4BS -3/2/25	1.5	2	25	32		168	159	148	134	117	99	74	45
WC4BS-3/3/29	2.2	3	29	32		190	181	170	159	140	117	89.5	50
WC4BS-3/5/52	3.7	5	52	32		330	303	290	272	244	206	162	103
WC4BS-3/5/60	3.7	5	60	32		384	345	328	304	274	228	180	110

PERFORMANCE CHART

STEELIX SERIES
100mm BOREWELL SUBMERSIBLE PUMPSETS

RADIAL FLOW

2900 RPM, At Rated Voltage – Single Phase 230 Volts,

Three Phase 380 / 415 Volts, 50 Hz, A.C. Supply

Maximum Outer Diameter : 97mm

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	2	3	4	5	6	7
						0	0.55	0.83	1.10	1.39	1.66	1.94
WA4AS-5/1/8	0.75	1	8	40	Head in Metres	46	42.5	40	37	32	23	15
WA4AS-5/1.5/12	1.1	1.5	12	40		75	71	65	57	48	38	24
WA4BS / WC4BS -5/2/17	1.5	2	17	40		108	94	88	80	68	51	33
WC4BS-5/3/25	2.2	3	25	40		162	143	131	119	102	77	53
WC4BS-5/5/38	3.7	5	38	40		241	215	198	177	152	119	81
WC4BS-5/5/44	3.7	5	44	40		280	244	223	199	170	134	92
WC4BS-5/7.5/52	5.5	7.5	52	40		324	281	258	230	199	156	108
WC4BS-5/7.5/60	5.5	7.5	60	40		360	322	300	262	236	190	130
WC4BS-5/10/75	7.5	10	75	40		487	427	392	352	302	237	168

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	3	4	5	6	7	8	9	10	11
						0	0.83	1.11	1.39	1.66	1.94	2.22	2.50	2.78	3.05
WA4BS / WC4BS-8/2/10	1.5	2	10	50	Head in Metres	63	55	52	50	48	44	40	35	60	24
WC4BS-8/3/12	2.2	3	12	50		74	69	67	65	61	56	51	45	37	28
WC4BS-8/3/15	2.2	3	15	50		94	86	83	79	75	69	63	55	47	36
WC4BS-8/4/18	3	4	18	50		112	107	103	99	94	87	79	69	57	44
WC4BS-8/5/22	3.7	5	22	50		136	129	124	117	110	102	93	82	69	54
WC4BS-8/5/25	3.7	5	25	50		155	142	136	130	124	116	106	94	79	63
WC4BS-8/7.5/37	5.5	7.5	37	50		230	204	195	185	173	162	146	131	112	89

MATERIAL OF CONSTRUCTION - PUMP

Part Name	Material
Impeller	SS 304
Stage Casing	SS 304
Pump Shaft	SS 304 / SS 431
Bracket	SS 304
Check Valve Housing	SS 304
Inlet Screen	SS 304

MATERIAL OF CONSTRUCTION - MOTOR

Part Name	Material
Upper & Lower Housing	Cast Iron
Stator Shell	SS 304 / SS 441
Rotor Shaft	SS 431 / SS 410
Journal Bushes	Carbon
Thrust Assembly	SS 420 & Graphite Carbon



Vertical Openwell Submersible Pumpsets

LTK Series

LTK Series



C.R.I. Vertical Openwell Submersible Pumpsets are ideally suitable for Openwell / Tanks where a wide fluctuation of water level occur. This works underwater and rest at the bottom of the well or Tank. Hence suction and priming problem will not arise. The optimal design of impellers and diffusers enables the best possible hydraulic efficiency. Motor sealing is made by polymers, 'O' rings, oil seals and sand guard to avoid ingress of well water/sand into the motor. Pressure equalizing rubber diaphragm is provided to guard the motor from pressure and volume variation of water inside the motor. Motor must be filled with clear, cold, drinking water as detailed in our operator's manual.

SPECIFICATIONS	LTK
Power range	0.75 kW & 1.1 kW (1HP & 1.5HP)
Speed	2880 RPM
Version	Single phase 220 - 240V, 50Hz AC Supply
Maximum total head	89 metre
Maximum flow rate	1.6 lps (6 m³/h)
Nominal outlet size	32 mm
Degree of protection	IP 58
Direction of rotation	Counter Clockwise from driving end;
Type of duty	S1 (Continuous)
Method of starting	Single Phase - CSCR;
Maximum starts per hour	10 times

SALIENT FEATURES

- High operating efficiency
- Motor is designed with higher cooling effect to ensure the life
- Easy to dismantle and repair
- Noise-less operation

APPLICATIONS

- Domestic
- Multi storey buildings
- Irrigation
- Gardens
- Rural water supply

PERFORMANCE CHART

LTK SERIES
VERTICAL OPENWELL SUBMERSIBLE PUMPSETS

2880 RPM, At Rated Voltage – Single Phase – 220 - 240 Volts;
Three Phase – 380 - 415 Volts, 50Hz, A.C. Supply.

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps Head in Metres	0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
						0	0.42	0.55	0.69	0.83	0.97	1.11	1.25	1.39	1.66
LTK – 3E/07M - 9	0.75	1	9	32	73	68	67	62	59	51	50	45	26	11	
LTK – 3E/11M – 11	1.1	1.5	11	32	89	83	79	72	67	61	60	45	37	13	

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Stator Shell	Mild Steel
Diaphragm	High Nitrile Rubber
Lower Housing / Upper Housing	Cast Iron
Shaft	SS 410
Shaft Seal	Nitrile Butyl Rubber
Thrust Assembly	SS 420 with Graphite Carbon
Journal Bushes	Carbon
Check Valve Housing	Cast Iron
Casing / Outer Shell	SS
Impeller	Noryl
Diffuser Chamber - LTK Series	Noryl
Suction inter Connector	Cast Iron
Pump Shaft	SS 304
Coupling	SS 410



Plano



CSS Series



CSS-4S Series



selfy⁺



Horizontal Openwell Submersible Pumpsets Plano / CSS / CSS-J / Selfy+ Series

C.R.I. Horizontal Openwell Submersible Pumpsets are ideally suitable for Openwell / Tanks where a wide fluctuation of water level occur. The pumpset works underwater and rest at the bottom of the well or Tank. Hence suction and priming problem will not arise. The optimal design of impellers and diffusers enables the best possible hydraulic efficiency. Motor sealing is made by polymers, 'O' rings, oil seals and sand guard to avoid ingress of well water/sand into the motor. Pressure equalizing rubber diaphragm is provided to guard the motor from pressure and volume variation of water inside the motor. Plano & CSS Series must be filled with clear, cold, drinking water as detailed in our operator's manual.

Selfy + Regenerative open well submersible pumpsets are uniquely designed for silent operation .It works under the water and operates direct suction through corporation water supply . To avoid ingress of water inside the motor, sealing is made of Mechanical seal and Oil Seal .Cast Iron Motor Body construction ensures Rigidity and Higher Cooling effect .

SPECIFICATIONS

Plano / CSS / CSS-J / Selfy +

Power range	0.37 kW - 2.2 kW (0.5HP - 3HP)
Speed	2880 RPM
Version	Single phase 220 - 240V, Three phase 380 - 415V, 50Hz AC Supply
Maximum total head	Upto 56.5 metre
Maximum flow rate	Upto 17 lps (61.2 m³/hr)
Nominal outlet size	25, 40, 50 mm
Degree of protection	IP 58
Direction of rotation	1Ph - Clockwise from driving end; 3Ph - Electrically Reversible
Type of duty	S1 (Continuous)
Method of starting	Single Phase - CSR / CSCR; Three Phase - DOL
Maximum starts per hour	10 times

SALIENT FEATURES

- High operating efficiency
- Motor is designed with higher cooling effect to ensure the life
- Easy to dismantle and repair
- Available in SS 304, CI and Noryl impellers
- Available with 3 metre and 10 metre cable length

APPLICATIONS

- Domestic
- Multi storey buildings
- Irrigation
- Gardens
- Rural water supply

PERFORMANCE CHART

CSS SERIES
HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS

2880 RPM, At Rated Voltage – Single Phase – 220 - 240 Volts;
Three Phase – 380 - 415 Volts, 50Hz, A.C. Supply.

Model	kW	HP	Outlet Size in mm	m ³ /hr lps	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	Star Rating
CSS-1*	0.37	0.5	25	Head in Metres	25	23	21	20	18	16	7			5
CSS-3S*	0.55	0.75	25		25	24	23	22	21	18	17	11		5
CSS-3*	0.75	1	25		26	25	25	23	22	20	18	15	9	5
CSS-3H*	0.75	1	25		33	32	30	28	25	20	14			5
CSS-24HH*	0.75	1	25		33	31	29	27	26	24	22			
CSS-25HH	1.1	1.5	25		40	37	34	30	25					
CSS-26HH	1.1	1.5	25		46	44	41	38	34	25				
CSS-27HH	1.1	1.5	40		46	44	41	38	34	25				
CSS-28HH	1.1	1.5	40		40	37	34	30	25					
CSS-4S	1.5	2	32		57	55	54	51	45	35	23	9		

Model	kW	HP	Outlet Size in mm	m ³ /hr lps	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2	18	19.8	21.6	23.4	25.2	27	28.8	30.6	32.4	34.2	36	Star Rating
CSS-9*	1.1	1.5	50	Head in Metres	17	17	17	16	16	16	16	15	15	15	14	13	12	11	10	9	8					
CSS-14*	1.5	2	50		22	22	22	22	22	21	21	20	20	19	19	18	17	17	15	14	13	12	11	9	7	5
CSS-14E*	1.5	2	50		22			22	22	22	22	21	21	21	20	20	19	18	17	16	15	14	13	12	10	5
CSS-16HH*	1.5	2	40		33	33	33	32	31	31	30	28	27	26	24											5
CSS-18*	2.2	3	50		34	34	34	34	33	32	32	31	30	29	27	26	24	23	22							5

Model	kW	HP	Outlet Size in mm	m ³ /hr lps	0	18	21.6	21.6	28.8	32.4	36	39.6	43.2	46.8	50.4	54	57.6	61.2
CSS-36J	1.5	2	100	Head in Metres	14	13	13	13	12	12	11	11	10	9	9	8	6	5
CSS-37J	1.5	2	80		14	14	14	13	13	12	12	11	11	10	9	8	7	6

PERFORMANCE CHART



PLANO SERIES

2880 RPM At Rated Voltage - Single Phase 220 - 240v, 50Hz, AC Supply

HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS

Model	kW	HP	Suction x Delivery in mm	m ³ /hr lps	0.0	1	1.8	2.7	3.6	4.5	4.7	5.4	5.6	6.5	7.2	7.4	7.6	7.7	8.6	9.4	10.1	10.4	Star Rating
					0.0	0.3	0.5	0.8	1.0	1.3	1.3	1.5	1.5	1.8	2.0	2.1	2.1	2.2	2.4	2.6	2.8	2.9	
Plano 50	0.37	0.5	25x25	Head in Metres	17		17	16	15	15	14	14	13	12	11	10	9	9	8				
Plano 52	0.37	0.5	25x25		21		20	20	19	18	18	17	16	15	14	14	14	13	12	9	9	8	5
Plano 104	0.75	1	25x25		33	32	30		28	24	23	22	22	21	20	19	19	18	17	15	13		5
Plano 102	0.75	1	32x25		35	33	31	30	28	27	27	26	25	24	24	23	22	21	18	15	14		5
Plano 103	0.75	1	32x25		35	33	31	30	28	27	27	26	25	24	24	23	22	21	18	15	14		
Plano 150	1.1	1.5	32x25		42		39	38	37	36	36	34	34	31	29	29	28	28	25	22	16		

104 & 103 are available with 10 metre cable

SELFY + SERIES

1440 RPM At Rated Voltage - Single Phase 220 - 240v, 50Hz, AC Supply

HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS

Model	kW	HP	Suction x Delivery in mm	Speed	m ³ /hr lps	0	0.61	0.8	1.01	1.4	1.8	2.2	2.6	3	3.38	3.82
						0	0.17	0.22	0.28	0.39	0.5	0.61	0.72	0.83	0.94	1.06
SELFY 50+	0.37	0.5	25x25	1440	Head in Metres	27	24	23	21	19	16	13	10			
SELFY 100+	0.75	1	25x25	1440		50	46	45	42	37	32	28	23	17	13	9

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Motor Body	SS 304
Impeller	Cast Iron / Noryl / SS 304 / High Tensile Brass
Casing	Cast Iron
Rear Cover	Cast Iron
Shaft	SS 410
Front Bracket	Cast Iron
Shaft Seal	Nitrile Butyl Rubber
Thrust Assembly	Leaded Bronze & Compostos / Ferobestos
	SS 410 & Graphite Carbon
Diaphragm	High Nitrile Rubber

* Marked pumpsets are having ISI licence

Centrifugal Monoblock Pumpsets

ACM & VIRAT Series

Virat



ACM Series



C.R.I. 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.

SPECIFICATIONS	ACM	VIRAT
Power range	0.37 kW - 2.2 kW (0.5 HP - 3 HP)	0.37 kW - 1.5 kW (0.5 HP - 2 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	

SALIENT FEATURES

- High operating efficiency resulting in lower power consumption
- Good suction lift characteristics
- Inbuilt with thermal overload protector in all single phase pumpsets upto 2 HP
- Specially designed for wide voltage operation
- SS 304 impellers are used in specific pump models to increase the life of the pump
- Dynamically balanced rotating parts including rotor and impeller ensures minimum vibration and longer life
- Back pull-out design for easy servicing and repair
- Double shielded ball bearings, so no need of external lubrication
- Available in CI & Aluminium frame

APPLICATIONS

- Domestic
- Irrigation
- Farms
- Gardens
- Industry
- Civil applications

PERFORMANCE CHART



ACM SERIES

SINGLE STAGE CENTRIFUGAL MONOBLOCK PUMPSETS

2880 RPM, At Rated Voltage - Single Phase -220 - 240 Volts;

Three Phase - 380 - 415 Volts, 50Hz, A.C. Supply.

Model	Body	kW	HP	Suction x Delivery in mm	m³/hr	DISCHARGE																	Star Rating	
						0	1.4	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		
					lps	0	0.4	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		
ACM-0*	CI	0.37	0.5	25x25	Head in Metres	19	18	17	16	15	15	14	13	9	8									
ACM-2S	CI	0.37	0.5	25x25		29			26	25	24	23	23	22	18									5
ACM-44	CI	0.55	0.75	25x25		35			30	29	28	28	28	26	17	18								5
T/ACM-2	AL	0.75	1	25x25		31			28	27	26	25	25	24	23	18	13							
ACM-24	CI	0.75	1	25x25		34	31		31	30	30	30	30	25										
ACM-28 / T/ACM-28	AL	1.1	1.5	32x25		43					38	37	37	36	35	35	34	33	32	31	30	28	23	

Model	Body	kW	HP	Suction x Delivery in mm	m ³ /hr	0	8	10	11	12	13	14	15	16	17	18	19	20
					lps	0	2.2	2.8	3.1	3.3	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.6
ACM-60 WV/ES	CI	0.37	0.5	50x50	Head in Metres	14	13	13	13	13	12	12	12	11	11	10	10	9

Model	Body	kW	HP	Suction x Delivery in mm	m³/hr	DISCHARGE													
						0	10.8	14.4	18.0	21.6	25.2	28.8	32.4	36.0	39.6	43.2	46.8	50.4	
					lps	0	3	4	5	6	7	8	9	10	11	12	13	14	
T/ACM-6 / S-ACM-6 SPL	CI	0.75	1	50x50	Head in Metres	13	12	12	11	10	8								
ACM-40(S) WV / LV	CI/AL	0.75	1	80x80		9			9	9	8	8	8	7	7	6	6		
S/ACM-18 SPL	CI	1.1	1.5	50x40		23	18	15	11										
S/ACM-9 SPL	CI	1.1	1.5	50x50		17		14	12	11	8	4							
S/ACM-20 SPL	CI	1.1	1.5	65x50		15	15	14	14	14	13	11	8						
ACM-42	AF	1.1	1.5	80x80		14	13	13	13	12	12	11	10	9	8	8	6	5	
S/ACM-19 / ACM-19* T/ACM-19 / S/ACM-19 SPL	CI	1.5	2	50x50		24	21	20	19	16	14								

* Marked pumpsets are having ISI licence

WV - Wide voltage operation LV - Low voltage operation ES - Extension Shafts available S - Slick H - High head

PERFORMANCE CHART

ACM SERIES
SINGLE STAGE CENTRIFUGAL MONOBLOCK PUMPSETS

2880 RPM, At Rated Voltage - Single Phase -220 - 240 Volts;
Three Phase - 380 - 415 Volts, 50Hz, A.C. Supply.

Model	Body	kW	HP	Suction x Delivery in mm	m³/hr	DISCHARGE																	
						0	10.8	14.4	18.0	21.6	25.2	28.8	32.4	36.0	39.6	43.2	46.8	50.4	54.0	57.6	61.2	64.8	
					lps	0	3	4	5	6	7.1	8	9	10	11	12	13	14	15	16	17	18	
ACM-54		0.75	1	80x80	Head in Metres	13		12	11	11	10	10	9	8	8	7	6						
ACM-51 / ACM-51WV	AF	0.75	1	80x80		9					9	8	8	7	7	6	5						
S/ACM-21 / ACM-21* /SW/ACM-21	CI	1.5	2	65x50		22	21	20	19	18	17	15	12	9									
ACM-22*	CI	1.5	2	80x65		16							12	11	10	9	8	7					
SW/ACM-58 -ES	CI	1.5	2	80x65		16					14	13	12	11	9								
SW/ACM-59 - ES	CI	1.5	2	80x80		15					14	13	12	11	9								
S/ACM-23 / ACM-23* /SW/ACM-23	CI	1.5	2	80x80		17		15	15	14	14	13	12	11	10	9	8	7	6				
ACM-23S WV	CI	1.5	2	80x80		15					12	12	11	10	10	9	8	7	6	5			
ACM-62	CI	1.5	2	80x80		14			13	12	12	11	10	9	8	8	6	5					
ACM-36	CI	1.5	2	100x100		15			14	14	14	14	13	13	12	12	11	10	9	8	7		
S/ACM-47 / T/ACM-47 /S/ACM-47 SPL	CI	2.2	3	50x50		36			31	13	8												
S/ACM-29 / ACM-29*	CI	2.2	3	65x50		25				23	22	21	19	17	15	13	11						
S/ACM-30 / ACM-30*	CI	2.2	3	80x65		19.5			18	18	18	17	17	16	16	15	14	13	12	11			
S/ACM-31 / ACM-31	CI	2.2	3	80x80		19							17	16	15	14	13	12	11	10	9	8	
S/ACM-34	CI	2.2	3	100x100		16				15	15	15	14	14	14	13	13	12	11	10	9	7	
ACM-64	CI	2.2	3	100x100		15			14	14	14	14	13	13	12	12	11	10	9	8	7		

Model	Body	kW	HP	Suction x Delivery in mm	m³/hr lps	DISCHARGE																			
						0	4	6	8	10	11	12	13	18	20	22	24	24	25	27	32	34	38	40	45
						0	1.1	1.7	2.2	2.8	3.1	3.3	3.6	5.0	5.6	6.1	6.7	6.8	6.9	7.5	8.9	9.4	10.6	11.1	12.5
ACM-40 WV ES / WV	AL	0.75	1	80x80	Head in Metres	13									12	11	11	11	11	10	9	9	8	7	6
ACM-40 (S)	AL	0.75	1	80x80		9		8	8	7	6	5													
S/ACM-45	CI	2.2	3	50x40		37						33	33	32	30	28	26	23	20						

* Marked pumpsets are having ISI licence

WV - Wide voltage operation LV - Low voltage operation ES - Extension Shafts available S - Slick H - High head

PERFORMANCE CHART



ACM SERIES

SINGLE STAGE CENTRIFUGAL MONOBLOCK PUMPSETS

2880 RPM, At Rated Voltage - Single Phase -220 - 240 Volts;

Three Phase - 380 - 415 Volts, 50Hz, A.C. Supply.

Model	Body	kW	HP	Suction x Delivery in mm	m³/hr	DISCHARGE																	Star Rating			
						0	1.4	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		12.6	13.3	
					lps	0	0.4	0.6	0.7	1.0	1.2	1.3	1.5	1.7	1.8	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7		
ACM A0*	AI	0.37	0.5	25x25	Head in Metres	18		16	16	14	13	13	12													
ACM A1* WV / ES	AL/CI	0.37	0.5	25x25		20		20	20	18	18	17														
ACM A1	AL/CI	0.37	0.5	25x25																						
ACM A2S	AL	0.37	0.5	25x25		27		24	23	22	21	20	19	13											5	
ACM A12	CI	0.37	0.5	40x40												14	14	13	13	113	12	12	12	11	10	
ACM A25	CI	0.37	0.5	32x25		22			20	19	19	18	17	17	17	16	15									
ACM A48 WV / DF / ES	CI	0.37	0.5	40x40		16										12	12	12	11	11	10	9	9	8	7	
ACM A2*	AL/CI	0.75	1	25x25		33		31	30	29	28	28	27	14												5
ACM A24*	CI	0.75	1	25x25		34		32	32	31	30	30	29	15												5
ACM A3-H	AL	0.75	1	32x25		28				24	23	23	22	22	21	20	19	18	15	14						
ACM A10*	CI	0.75	1	40x40		23									20	20	19	19	18	17	17	16	15	14	13	3

Model	Body	kW	HP	Suction x Delivery in mm	m³/hr lps	DISCHARGE																	Star Rating
						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		
ACM A11*	CI	0.75	1	50x40	Head in Metres	19								16	16	15	15	15	15	14	14	3	
ACM A15*	AI	1.1	1.5	40x32		30					28	27	27	27	26	25	25	24	22	19	14	12	5
ACM A18*	CI	1.1	1.5	50x40		23	21	21	21	21	20	20	20	20	19	19	19	18	18	17	16	16	

Model	Body	kW	HP	Suction x Delivery in mm	m³/hr	DISCHARGE																
						0	4.5	6.8	7.3	7.6	8.2	8.4	8.6	9.0	14.0	15.0	22.5	24.0	25.6	28.0	30.0	
						lps	0	1.3	1.9	2.0	2.1	2.2	2.3	2.4	2.5	3.9	4.2	6.3	6.7	7.1	7.8	8.3
ACM A3(H)	AL	0.75	1	25x25	Head in Metres	34	31	30	29	29	29	29	28	28								
ACMA6* / SW/ACMA6 WV / ES	CI	0.75	1	50x50		14						14	14	13	12	12	10	9	8	8		
ACM A20*	CI	1.1	1.5	65x50		18									17	17	14	13	12	11	9	
ACM A20S	CI	1.1	1.5	65x50		15								14	13	13	10	10	9	8	8	
ACM A9*	CI	1.1	1.5	50x50		15										14	11	11	10			
ACM A9S	CI	1.1	1.5	50x50		14				14					14	13	12	10	9	9	6	

* Marked pumpsets are having ISI licence

WV - Wide voltage operation LV - Low voltage operation ES - Extension Shafts available S - Slick H - High head

PERFORMANCE CHART

ACM SERIES SINGLE STAGE CENTRIFUGAL MONOBLOCK PUMPSETS

2880 RPM, At Rated Voltage - Single Phase -220 - 240 Volts;
Three Phase - 380 - 415 Volts, 50Hz, A.C. Supply.

Model	Body	kW	HP	Suction x Delivery in mm	m ³ /hr	0	6	8	10	11	12	13	14	15	16	17	18	19	23.76
						DISCHARGE	lps	0	1.7	2.2	2.8	3.1	3.3	3.6	3.9	4.2	4.4	4.7	5
ACM50 & ACM50WV	CI	0.75	1	50x50	Head in Metres	14	14	14	13	13	13	12	12	12	11	11	10	10	
ACM 52	AF	0.75	1	50x50		15						14	13						10

Model	Body	kW	HP	Suction x Delivery in mm	m ³ /hr	0	25	27	DISCHARGE	32	34	38	40
					lps	0.0	7.0	7.5		8.9	9.4	10.6	11.1
ACM-53	AF	0.75	1	80x80	Head in Metres	12	10	10		9	8	7	7

ADM SERIES DOUBLE STAGE CENTRIFUGAL MONOBLOCK PUMPSETS

2880 RPM, At Rated Voltage - Single Phase -220 - 240 Volts;
Three Phase - 380 - 415 Volts, 50Hz, A.C. Supply.

Model	Body	kW	HP	Stage	Suction x Delivery in mm	m³/hr	0	3	4.8	6	7.2	8.4	9.6	10.8
						DISCHARGE	lps	0	0.8	1.3	1.7	2	2.3	2.7
ADM 5	CI	1.5	2	2	40x32	Head in Metres	60	54	47	41	36	31	23	15

MATERIAL 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

PERFORMANCE CHART



VIRAT SERIES
SINGLE STAGE CENTRIFUGAL MONOBLOCK PUMPSETS

2880 RPM, At Rated Voltage - Single Phase -220 - 240 Volts;
Three Phase - 380 - 415 Volts, 50Hz, A.C. Supply.

Virat

Model	Body	kW	HP	Suction x Delivery in mm	m³/hr	DISCHARGE																	Star Rating		
						0	1.37	2.20	2.59	3.78	4.18	4.61	5.40	6.12	6.84	7.56	8.28	9.00	9.72	10.44	11.16	11.88		12.60	13.32
					lps	0	0.38	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	
VIRAT 525	AL	0.37	0.5	25x25	Head in Metres	18		16	16	14	13	13	12												
VIRAT 525N/ES	AL	0.37	0.5	25x25		19	18	17	16	15	15	14	13	9	8										
VIRAT 525M/ES	AL	0.37	0.5	25x25		21		20	19	18	18	17													
VIRAT 525H	AL	0.37	0.5	25x25		27		24	23	22	21	20	19												5
VIRAT 1025*	AL	0.75	1	25x25		33		31	30	29	28	28													5
VIRAT 1025HH*	AL	0.75	1	25x25		34		32	32	31	30	30	29												5
VIRAT 1025M*	AL	0.75	1	32x25		28				24	23	23	22	22	21	20	19	18	15	14					
VIRAT 1040*	CI	0.75	1	40x40		23								20	20	19	19	18	17	17	16	15	14	13	3
VIRAT 1532	AL	1.1	1.5	40x32		30								28	27	27	27	26	25	25	24	22	19	14	12

Model	Body	kW	HP	Suction x Delivery in mm	m³/hr	0	6.84	7.56	8.28	9.00	9.72	10.44	11.16	11.88	12.60	13.32
					lps	0	1.90	2.10	2.30	2.50	2.70	2.90	3.10	3.30	3.50	3.70
VIRAT 540 / ES / DF	AL	0.37	0.5	40x40	Head in Metres	15	13	13	12	12	12	11	11	10	10	7

Model	Body	kW	HP	Suction x Delivery in mm	m³/hr	DISCHARGE																
						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	
					lps	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	
VIRAT 1025H	AL	0.75	1	32x25	Head in Metres	33	30	29	29	28	28	27	27	26								
VIRAT 1050 / ES	CI	0.75	1	50x50		14							14	13	12	12	10	9	8	8	7	
VIRAT 1525H	AL	1.1	1.5	32x25		34	31	30	29	29	29	29	28	28								
VIRAT 1550M	CI	1.1	1.5	65x50		15									14	13	13	10	10	9	8	8
VIRAT 1550 / ES	CI	1.1	1.5	50x50		14			14						14	13	12	10	9	9	6	

PERFORMANCE CHART

VIRAT SERIES
SINGLE STAGE CENTRIFUGAL MONOBLOCK PUMPSETS

2880 RPM, At Rated Voltage - Single Phase -220 - 240 Volts;
Three Phase - 380 - 415 Volts, 50Hz, A.C. Supply.

Virat

Model	Body	kW	HP	Suction x Delivery in mm	m ³ /hr	0	10.80	14.40	18.00	21.60	25.20
					lps	0	3.00	4.00	5.00	6.00	7.00
VIRAT 2050*	CI	1.5	2	50x50	Head in Metres	23	21	20	18	15	9

MATERIAL OF CONSTRUCTION - 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



Stainless Steel Centrifugal Monoblock Pumpsets

JTS Series

C.R.I. S.S. Centrifugal Monoblock / Self-Priming Jet pumps are carefully designed to give best hydraulic efficiency and suction lift characteristics. Most modern and highly sophisticated machinery and technology are employed in the manufacture of these pumps, using quality raw material, seals and ball bearings to ensure long life. Dynamically balanced rotor ensures vibration free and noise free operation. All single phase pumps are in-built with thermal overload protector to prevent overload. High operating efficiency of these pumps result in low power consumption.

JTS Series



SPECIFICATIONS	JTS
Power range	0.37 kW & 0.75 kW (0.5HP & 1HP)
Maximum head	40 metre
Maximum flow rate	1.04 lps (3.75 m ³ /hr)
Normal suction & delivery sizes	25 mm x 25 mm
Versions	1Ph - 220V / 3Ph - 380-415V, 50Hz, AC
Maximum suction lift	Upto 8 metre
Speed	2900 rpm
Degree of protection	IP 54
Class of insulation	"B"
Direction of rotation	Clockwise viewed from driving end
Type of duty	S1
Maximum liquid temperature	+5°C to +60°C
Maximum ambient temperature	40°C

SALIENT FEATURES

- In-built thermal overload protector
- Hygienic pumping system
- Backpull-out design for easy servicing and repair

APPLICATIONS

- Domestic
- Food Processing
- Industrial Water System
- Shallow wells
- Gardening
- Car washing
- Drinking water supply

PERFORMANCE CHART

JTS SERIES
STAINLESS STEEL CENTRIFUGAL MONOBLOCK PUMPSETS

2900 RPM, Single Phase - 220 Volts,
Three Phase - 380-415 Volts 50 Hz, A.C. Supply

PUMP MODEL		MOTOR POWER		NOMINAL PUMP SIZE IN MM (Suction x Delivery)	lps	0	0.5	1	1.5	2	2.5	3	3.5	3.75
1Ø	3Ø	kW	HP		m ³ /hr	0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.04
JTS-2/03M	JTS-2/03T	0.37	0.5	25 x 25	Head in Metres	36	31	27	22	17	11	7		
JTS-3/07M	JTS-3/07T	0.75	1.0	25 x 25		40	37	34	32	29	27	23	17	10

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Pump casing	S.S. 304
Motor Frame	Aluminium
Impeller	S.S. 304
Shaft	S.S. 304
Shaft Sealing	Mechanical Seal (Carbon & Ceramic)



Deepwell Centrifugal Jet Pumpsets

AJ & BP Series

AJ Series

C.R.I. Deep well Jet Centrifugal Pumpsets volute chamber and impellers are designed to give the best possible hydraulic efficiency and suction lift characteristics. These Pumpsets are powered by a totally enclosed fan cooled (TEFC) and screen protected drip proof (SPDP), AC induction two pole motor, suitable for continuous duty. 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.

C.R.I. 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 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 through the suction pipe into the pump. Packer type jet pump is suitable for 50mm and 75mm borewells. The casing 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.

SPECIFICATIONS

AJ & BP

Power range	0.37 kW - 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 (3 m ³ /hr)
Degree of protection	IP 44/ IP 54
Class of insulation	B
Direction of rotation	1Ph - Clockwise from 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 & 40 x 32 x 25 mm

SALIENT 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

PERFORMANCE CHART

AJ SERIES

SINGLE STAGE CENTRIFUGAL JET PUMPSETS

2880 RPM, At Rated Voltage - Single Phase - 220 - 240 Volts;

Three Phase – 380 - 415 Volts 50Hz, A.C. Supply.

Model	Body	kW	HP	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	m³/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			DISCHARGE									
					lpm	6.65	8.27		10	13.33	16.67	23.33	30	36.67	43.33	50			
A5/AJ5*	AL/CI	0.37	0.5	100	32	25	25	13.7	Head in Metres	31	29	27	23	21	16				
A6/AJ2*	CI	0.75	1	100	32	25	25	15.2				32	30	25	20	14			
A6/AJ9*	CI	0.75	1	100	32	25	25	15.2		41	39	35	31	26	22				
A25/AJ2*	AL	0.75	1	100	32	25	25	15.2		36	34	33	30	28	22	17	13		
A25/AJ9*	AL	0.75	1	100	32	25	25	15.2		42	39	36	31	25	15				
A26/AJ7*	AL	0.75	1	115	40	32	25	15.2		25	25	24	23	22	20	18	16	14	13
A9/AJ9	AL	1.1	1.5	100	32	25	25	15.2		52	48	45	39	22					

AJ SERIES

DOUBLE STAGE CENTRIFUGAL JET PUMPSETS

- HORIZONTAL MODEL

2880 RPM, At Rated Voltage - Single Phase - 220 - 240 Volts;

Three Phase – 380 - 415 Volts 50Hz, A.C. Supply.

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	m³/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																		
						Head in Metres	85	82		76	73	71	71	69	68	66	64	63	62	60	58	57	56			
A40/AJ1	CI	1.1	1.5	2	100	32	25	25	16.8	Head in Metres	85	82	76	73	71	71	69	68	66	64	63	62	60	58	57	56
A18/AJ1	CI	1.5	2	2	100	32	25	25	16.8	Head in Metres	92	89	85	82	81	79	78	74	72	71	70	69	66	65	62	57

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	m ³ /hr	0.14	0.16	0.17	0.18	0.20	0.23	0.25	0.27	0.28	0.29	0.31	0.32	0.33	0.35	0.38
						Suction	Press-ure	Delivery																	
						DISCHARGE																			
A18/AJ9	CI	1.5	2	2	100	32	25	25	55	Head in Metres	73	68	64	61	58	55	52	49	46	43	40	37	35	33	28

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	m³/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			
A40S/AJ9	CI	1.1	1.5	2	100	32	25	25	15.2	Head in Metres	54	51.5	49	48	46	42	39	35	33	30	23

* Marked pumpsets are having ISI licence CI - Cast Iron AL - Aluminium Motor Body

2880 RPM, At Rated Voltage - Single Phase -220 - 240 Volts;
Three Phase - 380 - 415 Volts, 50Hz, A.C. Supply.

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	m³/hr	0.72	0.79	0.86	0.94	1.01	1.08	1.15	1.22	1.3	1.37	1.44	1.51	1.62	1.73
						Section	Press-ure	Delivery																
DISCHARGE										lpm	12	13.2	14.4	15.6	16.8	18	19.2	20.4	21.6	22.8	24	25.2	27	28.8
A10N/AJ1 (LH)	CI	0.75	1	1	100	32	25	25	50	Head in Metres	37	35	34	33	32	30	29	28	27	27	26	24	19	11

PERFORMANCE CHART

SPDP SERIES
CENTRIFUGAL JET PUMPSETS
- HORIZONTAL MODEL

2880 RPM, At Rated Voltage - Single Phase - 220 - 240 Volts;
Three Phase – 380 - 415 Volts 50Hz, A.C. Supply.

Model	Body	kW	HP	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	m ³ /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												
A10/AJ10	AL	0.75	1	100	32	25	25	15.2	Head in Metres	58	55	49	46	43	40	37	33	30	28

Model	Body	kW	HP	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	m ³ /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												
A12/AJ2S	SS	0.75	1	100	32	25	25	15.2	Head in Metres		33	30	28	23	18	6			

BP SERIES
SINGLE STAGE CENTRIFUGAL JET PUMPSETS

2880 RPM, At Rated Voltage - Single Phase - 220 - 240 Volts;
Three Phase – 380 - 415 Volts 50Hz, A.C. Supply.

PACKER TYPE

Model	Body	kW	HP	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	m ³ /hr	0	0.39	0.49	0.60	0.79	1.00	1.39	1.80
					Suction	Press-ure	Delivery										
BP8/2	CI/AL	0.75	1	50	32	25	25	15.2	Head in Metres	32	27	25	24	21	20	16	13
BP9/2	AL	0.75	1	50	32	25	25	15.2	Head in Metres	45	33	31	28	22	18		
BP8/3	AL	0.75	1	80	40	32	25	15.2	Head in Metres	54	30	29	28	26	24	21	17

MATERIAL 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 / SS
Shaft	SS 410
Mechanical Seal	Carbon & Ceramic
Jet Assembly	Gun metal



Shalo

30 FT Suction



Centrifugal Jet Selfpriming Pumpsets Shalo Series

C.R.I. Centrifugal jet self priming pumpsets pump casing and ejector unit are designed carefully to give the best possible hydraulic efficiency and good suction lift characteristics. These pumpsets are powered by a totally enclosed fan cooled AC induction motor, suitable for continuous duty. Motor stator is made of low watt loss ferro silicon steel laminations assembled under pressure and rigidly locked in the frame. The varnish impregnated windings made of enameled copper wire offer excellent resistance. 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.

SPECIFICATIONS	SHALO
Power range	0.37 kW & 0.75 kW (0.5HP & 1.0HP)
Speed	2880 RPM
Version	Single phase 220 - 240V, 50Hz AC Supply
Maximum total head	47 metre
Maximum flow rate	3400 LPH (3.4 m ³ /hr)
Maximum suction lift	Upto 9 metre
Degree of protection	IP 54
Direction of rotation	Clockwise from driving end
Class of insulation	B
Type of duty	S1 (Continuous)
Method of starting	Permanent Split Capacitor (PSC)
Nominal Pumpset size (suction x delivery)	25 x 25 mm

SALIENT FEATURES

- 30 feet suction lifting capacity
- Specially designed for shallow well applications
- High operating efficiency resulting in lower power consumption
- Back pull - out design for easy servicing and repair
- Inbuilt thermal overload protector
- In-built non return valve
- Specially coated pumps available for fertigation application
- Powder coated colour motor body

APPLICATIONS

- Shallow well
- Small farms
- Domestic
- Pressure boosting
- Gardens
- Fertigation
- Drinking water supply

PERFORMANCE CHART

SHALO SERIES

CENTRIFUGAL JET SELFPRIMING PUMPSETS

2880 RPM, At Rated Voltage - Single Phase - 220 - 240 Volts; 50Hz, A.C. Supply.

Model	kW	HP	Suction x Delivery in mm	m ³ /hr LPH	0	0.6	0.8	1	1.4	1.8	2.2	2.6	3	3.4
					0	600	800	1000	1400	1800	2200	2600	3000	3400
Shalo 527	0.37	0.5	25x25	Head in Metres	37	34	32	31	28	25	22	20	16	
Shalo 525 / 526	0.37	0.5	25x25		39	35	34	33	30	27	24	20		
Shalo 1028	0.75	1	25x25		41	38	36	35	32	30	27	25	17	11
Shalo 1029	0.75	1	25x25		38	35	33	32	30	28	25	23	22	
Shalo 1025	0.75	1	25x25		46	42	40	39	36	33	30	26		
Shalo 1026	0.75	1	25x25		43	38	37	36	33	30	27	23	16	
Shalo 1027	0.75	1	25x25		39	35	34	33	30	27	24	20		

Shalo 526 - Noryl Impeller

Shalo Series - Specially designed for Fertigation application

Model	kW	HP	Suction x Delivery in mm	m ³ /hr LPH	0	0.8	1	1.4	1.8	2.2	2.6
					0	800	1000	1400	1800	2200	2600
Shalo 725	0.55	0.75	25x25	Head in Metres	47	38	36	31	28	26	20

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Impeller	Cast iron / Noryl
Motor body	Aluminium
Shaft	SS-410
Bracket	Cast iron
Pump casing	Cast iron
Mechanical Seal	Carbon & Ceramic



Regenerative Selfpriming Monoset Pumpsets SELFY Series

C.R.I. Selfy Regenerative Selfpriming Monoset Pumps are powered by a totally enclosed fan cooled (TEFC) and Screen Protected Drip Proof (SPDP) AC induction two pole and four pole motors suitable for continuous duty. Motor stator is made of low watt loss silicon steel lamination. 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.



SPECIFICATIONS

SELFY

Power range	0.37 kW & 0.75 kW (0.5HP & 1HP)
Speed	1440 & 2880 RPM
Version	Single phase 220 – 240V, 50Hz AC Supply
Maximum total head	55 metre
Maximum flow rate	64 lpm (3.82 m³/hr)
Degree of protection	IP 44
Class of insulation	'B'
Direction of rotation	Clockwise from driving end
Type of duty	S1 (Continuous)
Method of starting	CSCR / Permanent Split Capacitor (PSC)
Maximum suction lift	Upto 8 metre (slow speed) / Upto 6 metre (high speed)
Nominal pumpset size (S x D)	25 x 25 mm

SALIENT FEATURES

- Good suction lift characteristics
- Accurate function of centrifugal governor & switch ensures the longer life of the motor
- Specially designed mesh is provided in pump to avoid foreign particles
- Special graded casting used in pump portion to prevent the wear & tear
- High tensile brass impeller is used to increase the life of pump

APPLICATIONS

- Domestic
- Washing
- Gardens
- Civil applications

PERFORMANCE CHART

SELFY SERIES

REGENERATIVE SELFPRIMING MONOBLOCK PUMPSETS

1440 / 2880 RPM At Rated Voltage - Single Phase - 220 - 240 Volts, 50Hz, A.C. Supply

Model	Body	kW	HP	Suction x Delivery in mm	Speed in RPM	Suction Capacity in mtrs	m ³ /hr lpm	0	0.61	0.80	1.01	1.40	1.80	2.20	2.60	3.00	3.38	3.82
								0	10	13	17	23	30	37	43	50	56	64
SELFY 50	AL	0.37	0.5	25x25	2880	6	Head in Metres	50	41	38	34	27	19	13	10			
SELFY 51	CI	0.37	0.5	25x25	2880	6		50	41	38	34	27	19	13	10			
SELFY 52	CI	0.37	0.5	25x25	1440	8		29	26	25	24	23	18	15	10	8		
SELFY 53/54	CI	0.37	0.5	25x25	1440	8		29	26	25	24	23	18	15	10	8		
SELFY 100	MS	0.75	1	25x25	1440	8		45			39	35	32	28	24	17	12	
SELFY 102/106	CI	0.75	1	25x25	1440	8		50			42	38	36	33	28	20	14	13
SELFY 103/104	AI/CI	0.75	1	25x25	2800	8		55	48	46	43	34	27					
SELFY 105	MS	0.75	1	25x25	1440	8		415	38	35	32	29	24	20	16	12	8	4

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Pump casing	Cast Iron
Motor body	Cast Iron / Mild Steel / Aluminium
Shaft	SS - 410
Impeller	High Tensile Brass
Bracket	Cast Iron
Mechanical Seal	Carbon & Ceramic



Selfpriming / Non-selfpriming

Monoblock Pumpsets

Royale / Xcite / Shine / Dora / Dhoom / Champee & Miki Series

C.R.I. Selfpriming monoblock pumpsets are power-driven by a totally enclosed fan cooled AC induction two pole motor, suitable for continuous duty. Motor stator is made of low watt loss silicon laminations assembled under pressure and rigidly locked in the frame. The windings are of high - grade enameled copper wire and are varnish impregnated. Construction of motor frames and usage of quality materials result in high performance, noise free operation and low temperature rise thereby increasing the life cycle of the motor. Pumps volute chamber and impellers are designed to give the best possible hydraulic efficiency and suction lift characteristics. Non-selfpriming pumps with end suction and radial delivery.

SPECIFICATIONS

ROYALE / XCITE / SHINE / DORA / DHOOM / CHAMPEE & MIKI

Power range	0.18kW - 1.1kW (0.25HP - 1.5HP)
Speed	2880 RPM
Versions	1Ph - 220-240 V; 3Ph - 380-415 V, 50 Hz AC supply.
Maximum total head	100 metre
Maximum flow rate	3800 lph (3.8 m³/hr)
Degree of protection	IP 44
Direction of rotation	Clockwise from driving end
Class of insulation	B
Type of duty	S1 (Continuous)
Maximum suction lift	Upto 8 metre
Maximum liquid temperature	330c
Maximum ambient temperature	400c
Nominal size (suction x delivery)	15 x 15, 20 x 20 & 25 x 25 mm

SALIENT FEATURES

- Upto 100metre (328 feet) working capacity
- Built-in with imported Thermal Overload Protector
- Specially designed for wide voltage operation
- Powder coated multi-color stator body
- Sturdy and compact
- Double sealed ball bearing, so no need of external lubrication
- Pumpset available with extension shaft for multi purpose application

APPLICATIONS

- Domestic
- Small garden
- Pressure boosting
- Civil applications
- RO Applications
- House Watering Systems

PERFORMANCE CHART



Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet								
						6	8	10	12	15	18	21	25	30
						20	26	33	39	49	59	69	82	98
						Discharge in LPH								
DORA 50	0.37	0.5	SELF PRIMING	25x25	8	2016	1872	1750	1512	1332	1000	800	360	
DORA 100	0.75	1	SELF PRIMING	25x25	8	3000	2800	2600	2450	2320	2100	1880	1720	1320



Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet								
						6	8	10	12	15	18	21	25	30
						20	26	33	39	49	59	69	82	98
						Discharge in LPH								
SHINE 50/50 PLUS	0.37	0.5	SELF PRIMING	25x25	8	2088	2000	1800	1600	1400	1220	1000	760	
SHINE 100/100 PLUS	0.75	1	SELF PRIMING	25x25	8	3050	2850	2650	2500	2350	2120	1900	1800	1400



Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet											
						6	8	10	12	15	18	21	25	26	28	30	35
						20	26	33	39	49	59	69	82	85	92	98	115
						Discharge in LPH											
MIKI 50	0.37	0.5	SELF PRIMING	25x25	8	2100	1928	1802	1557	1372	1030	824	600	450	250		
MIKI 51	0.37	0.5	SELF PRIMING	25x25	8	2150	2060	1854	1648	1442	1256	1030	782	550	300		
MIKI 100	0.75	1	SELF PRIMING	25x25	8	3340	3186	3060	2916	2700	2412	2160	1872	1755	1638	1404	830



Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet											
						6	8	10	12	15	18	21	25	30	35	40	45
						20	26	33	39	49	59	69	82	98	115	131	148
						Discharge in LPH											
XCITE 50*	0.37	0.5	SELF PRIMING	25x25	8	2000	1900	1800	1700	1600	1100	920	680				
XCITE 51*/C PLUS 51	0.37	0.5	SELF PRIMING	25x25	8	2300	2200	2050	1850	1700	1512	1300	900				
XCITE 100*/ C PLUS 100/ES	0.75	1	SELF PRIMING	25x25	8	3100	2900	2592	2520	2450	2250	2100	1900	1620	1350	1000	825

PERFORMANCE CHART



Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet														
						6	8	10	12	15	18	21	25	30	35	40	45	50	55	58
						20	26	33	39	49	59	69	82	98	115	131	148	164	180	190
						Discharge in LPH														
ROYALE 51*	0.37	0.5	SELF PRIMING	25x25	8	2700	2550	2300	2150	2000	1700	1500	1260	864						
ROYALE 52*/ ES	0.37	0.5	SELF PRIMING	25x25	8	3150	2950	2808	2600	2448	2200	2088	1800	1500						
ROYALE 100*	0.75	1	SELF PRIMING	25x25	8	3100	3000	2900	2700	2600	2480	2350	2196	1980	1728	1368				
ROYALE 101	0.75	1	SELF PRIMING	25x25	8	3400	3300	3250	3200	3150	3000	2950	2736	2376	2200	1550	1200			
ROYALE 150	1.1	1.5	SELF PRIMING	25x25	8	3888	3800	3750	3700	3600	3500	3400	3300	3060	2750	2450	2000	1350		
ROYALE D PLUS 50	0.37	0.5	SELF PRIMING	25x25	8	2800	2736	2550	2350	2160	1944	1728	1365	936	504					
ROYALE D PLUS 51	0.37	0.5	SELF PRIMING	25x25	8	3100	3060	2970	2880	2592	2268	2088	1656	1080	650					
ROYALE D PLUS 100	0.75	1	SELF PRIMING	25x25	8	3350	3269	3276	3258	3204	3096	2880	2592	2268	1980	1692	1404	1080	756	576
ROYALE D PLUS 101	0.75	1	SELF PRIMING	25x25	8	3400	3350	3357	3340	3285	3174	2952	2656	2324	2029	1734	1434	1107	775	590
ROYALE E PLUS 100	0.75	1	SELF PRIMING	25x25	8	3350	3269	3276	3258	3204	3096	2880	2592	2268	1980	1692	1404	1080	756	576
ROYALE E PLUS 101	0.75	1	SELF PRIMING	25x25	8	3400	3350	3357	3340	3285	3174	2952	2656	2324	2029	1734	1434	1107	775	590



WONDER SUCTION

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet													
						6	8	10	12	15	18	21	25	30	35	40	45	50	55
						20	26	33	39	49	59	69	82	98	115	131	148	164	180
						Discharge in LPH													
DHOOM 51	0.37	0.5	WONDER SUCTION	25x25	8	1550	1520	1500	1480	1350	1200	1090	850						
DHOOM 52	0.37	0.5	WONDER SUCTION	15x15	8	1370	1270	1150	1100	1020	900	800	520						
DHOOM 53	0.37	0.5	WONDER SUCTION	25x25	8	1580	1480	1400	1350	1300	1000	850	550						
DHOOM 75	0.55	0.75	WONDER SUCTION	25x25	8	1900	1850	1775	1700	1620	1400	1200	950	500					
DHOOM 100	0.75	1	WONDER SUCTION	25x25	8	2450	2350	2200	2100	1900	1750	1600	1450	1200	750				
DHOOM 150	1.1	1.5	WONDER SUCTION	25x25	8	3200	3150	3100	3000	2950	2900	2800	2700	2500	2350	2000	1650	1200	750
DHOOM 52 D PLUS	0.37	0.5	WONDER SUCTION	15x15	8	1880	1833	1761	1660	1458	1295	1108	800	594					
DHOOM 75 D PLUS	0.5	0.75	WONDER SUCTION	25x25	8	2048	1995	1925	1865	1775	1656	1500	1286	924	453				
DHOOM 100 D PLUS	0.75	1	WONDER SUCTION	25x25	8	2085	2018	1928	1849	1715	1640	1475	1250	978	706				

PERFORMANCE CHART



SPECIALLY DESIGNED FOR R.O. APPLICATION

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet																		
						6	8	10	12	15	18	21	25	30	35	40	45	50	55	60	70	80	90	100
						20	26	33	39	49	59	69	82	98	115	131	148	164	180	197	230	262	295	328
						Discharge in LPH																		
CHAMPEE100	0.75	1	NON SELFPRIMING	25x25	8	1700	1650	1600	1550	1500	1400	1380	1300	1200	1100	1000	900	800	700	650	480	320	180	
CHAMPEE150	1.1	1.5	NON SELFPRIMING	25x25	8	3300	3200	3024	2950	2900	2800	2700	2600	2400	2250	2200	2100	2000	1850	1750	1200	900	400	150

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Pump Casing	Cast Iron
Bracket & Rear Cover	Cast Iron / Aluminium
Volute Casing	Forged SS / Brass
Rotor	Aluminium Die Cast
Motor Body	Aluminium Extruded / Die Cast / Cast Iron
Motor Shaft	SS 410
Cooling Fan	Poly Propylene - Co Polimer
Cooling Fan Cover	Poly Propylene - Co Polimer / MS
Impeller	High Tensile Brass
Mechanical Seal	Carbon & Ceramic



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TECHNICAL SPECIFICATIONS

MODEL NAME	DINO SM	DINO SP	DINO SO	DINO JS
Power range	0.37 kW - 0.75 kW (0.5HP - 1 HP)			
Version	Single Phase, 220-240V, 50 Hz, AC Supply			
Speed in RPM	2880	1440 & 2880	2880	2880
Maximum Total Head	30 Mtr	50 Mtr	33 Mtr	43 Mtr
Maximum Flow Rate	3050 LPH	3840 LPH	10080 LPH	3000 LPH
Degree of Protection	IP44	IP44	IP58	IP54
Class of Insulation	B	B	H	B
Type of Duty	S1 Continuous			
Maximum Suction Lift	8 Mtr	8 Mtr (Slow Speed) / 6 Mtr (High Speed)	-	9 Mtr
Method of Starting	Permanent Split Capacitor (PSC)	CSCR/Permanent Split capacitor (PSC)	Permanent Split Capacitor (PSC)	Permanent Split Capacitor (PSC)
Nominal Pumpset Size	25 x 25 mm			

SALIENT FEATURES

DINO SM

- Sturdy and compact
- In-built Thermal Overload Protector
- Double shielded ball bearing. So no need of external lubrication

DINO SP

- Good suction lifting characteristics
- Silent operation
- Specially designed for wide voltage operation

DINO SO

- Enhanced motor design ensures higher cooling effect
- High operating efficiency resulting in low power consumption
- Anti corrosive stainless steel motor body

DINO JS

- 30ft suction lifting capacity
- Specially designed for shallow well application
- Compact design occupies less space

APPLICATIONS

- Domestic
- Small garden
- Car Washing
- Pressure boosting
- Civil applications
- Small Farms



REGENERATIVE MONOBLOCK PUMPSET

2880 RPM, Single Phase - 240 Voltage , 50 Hz, A.C. Supply

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet								
						6	8	10	12	15	18	21	25	30
						20	26	33	39	49	59	69	82	98
						Discharge in LPH								
DINO SM50	0.37	0.5	SELF PRIMING	25 X 25	8	2016	1872	1750	1512	1332	1000	800	360	
DINO SM51	0.37	0.5	SELF PRIMING	25 X 25	8	2088	2000	1800	1600	1400	1220	1000	760	
DINO SM100	0.75	1	SELF PRIMING	25 X 25	8	3000	2800	2600	2450	2320	2100	1880	1720	1320
DINO SM101	0.75	1	SELF PRIMING	25 X 25	8	3050	2850	2650	2500	2350	2120	1900	1800	1400

REGENERATIVE SELFPRIMING MONOBLOCK PUMPSETS

1440 / 2880 RPM At Rated Voltage - Single Phase - 220 - 240 Volts, 50Hz, A.C. Supply

Model	kW	HP	Suction x Delivery in mm	Suction Capacity in mtrs	Speed	m ³ /hr	0	0.61	0.8	1.01	1.4	1.8	2.2	2.6	3	3.38	3.82
							0	600	780	1020	1380	1800	2220	2580	3000	3360	3840
							0	600	780	1020	1380	1800	2220	2580	3000	3360	3840
DINO SP50	0.37	0.5	25 x 25	6	2880	Head in Metres	50	41	38	34	27	19	13	10			
DINO SP55	0.37	0.5	25 x 25	8	1440		29	26	25	24	23	18	15	10	8		
DINO SP105	0.75	1	25 x 25	8	1440		50			42	38	36	33	28	20	14	13
DINO SP100	0.75	1	25 x 25	8	2880		50		40		36	30		20	10		
DINO SP101	0.75	1	25 x 25	8	2880		40.5	38	34.5	32	28.5	24	20	16	12	8	4

HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS

2880 RPM, At Rated Voltage - Single Phase 220-240 Volts, 50Hz A.C. Supply

Model	kW	HP	Suction x Delivery in mm	m ³ /hr	0	1	1.8	2.7	3.6	4.5	4.68	5.4	5.55	6.48	7.2	7.4	7.56	7.74	8.64	9.36	10.1
					0	1080	1800	2700	3600	4500	4680	5400	5544	6480	7200	7380	7560	7740	8640	9360	10080
					0	1080	1800	2700	3600	4500	4680	5400	5544	6480	7200	7380	7560	7740	8640	9360	10080
DINO SO50	0.37	0.5	25 x 25	Head in Metres	17		16.5	16	15	14.5	14	13.5	13	12	11	10	9	8.5	8		
DINO SO100	0.75	1	32 x 25		33	32	30		28	24	23	22	21.5	21	20	19	18.5	18	17	15	13

CENTRIFUGAL JET SELFPRIMING PUMPSETS

2880 RPM At Rated Voltage - Single Phase - 220 - 240volts , 50Hz, A.C. Supply

Model	kW	HP	Suction x Delivery in mm	m ³ /hr	0	0.6	0.8	1	1.4	1.8	2.2	2.6	3
					0	600	800	1000	1400	1800	2200	2600	3000
					0	600	800	1000	1400	1800	2200	2600	3000
DINO JS50	0.37	0.5	25 x 25	Head in Metres	39	35.4	33.8	32.5	29.7	26.8	24.1	20.3	
DINO JS100	0.75	1	25 x 25		42.7	38.3	37	35.9	33.1	30	27.2	22.7	16

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