



C.R.I. PUMPS

Pumping trust... Worldwide.



- More Durability and Hygiene.
- High Operating Efficiency.
- Motor designed with a High Cooling Effect.
- Designed for Wide Voltage Operation.
- Sturdy and Compact.

RESIDENTIAL PUMPSET | PERFORMANCE CATALOGUE



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 C.R.I.

C.R.I. ranks high among the world's fastest-growing fluid management solutions provider with a wide global presence. C.R.I. offers Pumps, Motors, IoT Driven Pumps, IoT Drives & Controllers, Pipes, Wires & Cables, Solar Pumps and Controllers to meet the pumping needs of its wide customer base.



60+ Years
of Engineering
Expertise



120+ Countries
have our strong
global presence



21+
Manufacturing Units
around the World



30000+ Outlets
to serve our
Customers



9000+
Products for various
applications



1500+
Service Centres to
support our Customers



16 Times
EEPC Award Winner
for Export Excellence



8 Times
NEC Award Winner
for Energy Savings



**Fludyn Advanced Technology
Centre** Recognized by Ministry of
Science & Technology, Govt. of India.

C.R.I. PIPES - C.R.I.'s state-of-the-art manufacturing facility at Ahmedabad & Hosur produces all kinds of best quality PVC, UPVC, CPVC 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 Pumpset - 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. 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.

SALIENT FEATURES

- 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.

APPLICATION

- Gardens
- Irrigation
- Farms
- Industrial.

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	2850 RPM
Version	Single Phase 220V, 50Hz, A.C. Supply	Single Phase 220V, 50Hz, A.C. Supply
Maximum total head	156 Metre	214 Metre
Maximum flow rate	1.5 LPS (5.40 m ³ /hr)	0.9 LPS (3.4 m ³ /hr)
Maximum outer diameter	78 mm	92 mm
Thrust load	650 LBS	650 LBS
Minimum cooling flow along the motor	0.15 m/sec	0.15 m/sec
Method of starting	Capacitor Start Capacitor Run (CSCR)	Capacitor Start Capacitor Run (CSCR)
Maximum starts per hour	20 times	20 times
Nominal outlet size	25 & 32 mm	32 mm

PERFORMANCE CHART

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

80mm BOREWELL SUBMERSIBLE PUMPSET - LENA Series

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-30/1/32	0.75	1	32	25	Head in Metres	89	83	77	70	61	49	33		
CRI3R-31/0.75/12	0.55	0.75	12	32		44	43	42	42	40	39	38		
CRI3R-31/1/17*	0.75	1	17	32		76	71	67	63	59	54	50	40	33
CRI3R-31/1/20	0.75	1	20	32		86	79	75	71	64	58	51	41	31
CRI3R-31/1/24	0.75	1	24	32		103	101	97	90	85	78	70	58	50
CRI3R-31/1.5/24*	1.1	1.5	24	32		105	101	97	93	88	80	71	60	50

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-33/1/10	0.75	1	10	32	Head in Metres	39	38	37	36	33	29	22	16	12
CRI3R-33/1.5/15	1.1	1.5	15	32		59	58	56	53	49	41	33	22	17

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-34/1/25	0.75	1	25	32	Head in Metres	99	90	82	74	62	49	30					
CRI3R-34/1.5/38	1.1	1.5	38	32		156	136	118	108	96	82	60					
CRI3R-35/0.5/6	0.37	0.5	6	32		28					25	24	23	19	16	10	5
LENA-36/1/10	0.75	1	10	32		40.5	38.5	36.5	36	35	34	32.5	30.5	26	22	18	13
CRI3R-36/1/12	0.75	1	12	32		48	45	43	42	41	39	38	35	31	26	20	15
CRI3R-36/1/15	0.75	1	15	32		60	55	52	51	49	48	46	43	41	33	26	19
CRI3R-36/1.5/17	1.1	1.5	17	32		67	64	62	60	58	57	55	52	45	39	30	22

* Marked pumpset are having ISI licence.



PERFORMANCE CHART

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

85mm BOREWELL SUBMERSIBLE PUMPSET - LENA+ Series

RADIAL FLOW														
Model	kW	HP	Stage	Outlet Size in mm	m³/hr	0	0.72	1.08	1.44	1.80	2.16	2.52	2.88	3.24
					lps	0	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
WCFBK-3/1.0/16#	0.75	1.0	16	32	Head in Metres	71	69	66	63	60	52	44	34	23
WCFBK-3/1.5/22	1.1	1.5	22	32		99	96	93	90	84	75	64	50	36
WCFBK-3/2/32#	1.5	2.0	32	32		140	136	132	126	116	101	88	70	49
WCFBK-3/2/40	1.5	2.0	40	32		176	169	164	154	140	120	100	85	43
WCFBK-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

Marked pumpset are available with All Feature Panel.



80mm Borewell Submersible Pumpset- 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.

SALIENT FEATURES

- More durability and hygiene
- High operating efficiency
- Designed for wide voltage operation
- Additional intermediate bearing in higher stage pumps.

APPLICATION

- Gardens
- Irrigation
- Farms
- Industrial.

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, A.C. Supply
Maximum total head	70 Metre
Maximum flow rate	1.5 LPS (5.40 m ³ /hr)
Maximum outer diameter	78 mm
Thrust load	650 LBS
Minimum cooling flow along the motor	0.15 m/sec
Method of starting	Capacitor Start Capacitor Run (CSCR)
Maximum starts per hour	20 times
Nominal outlet size	32 mm



PERFORMANCE CHART

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

80mm BOREWELL SUBMERSIBLE PUMPSET - ZUNO LITE Series

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
					lps	0	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
CRI3R-31/1/17	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 ³ /hr	0	0.72	1.44	2.16	2.88	3.60	4.32	5.04	5.40
					lps	0	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.50
CRI3R-33/1/10	0.75	1.0	10	32	Head in Metres	37	35	33	32	30	28	23	18	13
CRI3R-33/1/12	0.75	1.0	12	32		44	42	40	39	36	31	25	20	14
CRI3R-33/1.5/15	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 Pumpset - 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.

SALIENT FEATURES

- 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.

APPLICATION

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

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 380V, 50Hz, A.C. Supply
Maximum total head	568 Metre
Maximum flow rate	7 LPS (25.20 m ³ /hr)
Maximum outer diameter	98 mm
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
Method of starting	Capacitor Start Capacitor Run(CSCR) / Direct Online(DOL)
Maximum starts per hour	20 times
Nominal outlet size	32, 40, 50 & 65 mm



PERFORMANCE CHART

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

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

100mm BOREWELL SUBMERSIBLE PUMPSET - GENIE Series

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/0.5/07	0.37	0.5	7	32	Head in Metres	59	55	52	47	40	31	17		
CRI4F-1F/0.75/11*	0.55	0.75	11	32		88	83	77	69	60	40	18		3
CRI4F-1F/1/16*	0.75	1	16	32		129	125	121	106	84	56	34	18	2
CRI4F-1F/1.5/21*	1.1	1.5	21	32		176	167	155	136	112	82	33		2
CRI4F-1F/2/27*	1.5	2	27	32		218	208	197	179	152	113	57		
CRI4F-2/3/32*	2.2	3	32	32		245	238	231	223	211	192	168	141	

Model	kW	HP	Stage	Outlet Size in mm	DISCHARGE															Star Rating
					m³/hr	0	1.44	1.80	2.16	2.52	2.88	3.24	3.60	4.32	5.04	5.76	6.48	7.2	7.92	
					lps	0	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.0	2.2	
CRI4F-3/1.5/14*	1.1	1.5	14	32	Head in Metres	110	102	98	94	90	85	77	67	44						3
CRI4F-5/1.5/9*	1.1	1.5	9	32		64						61	60	56	49	42	33	25	11	4

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	0.72	1.08	1.44	1.8	2.16	2.52	2.88
						0	0.2	0.3	0.4	0.5	0.6	0.7	0.8
CRI4R-1E/0.5/09	0.37	0.5	9	32	Head in Metres	61	54	50	46	40	31	26	20
CRI4R-1E/0.5/10	0.37	0.5	10	32		64	57	52	46	40	34	27	19
CRI4R-1E/0.75/12	0.55	0.75	12	32		83	75	70	64	57	50	40	30
CRI4R-1E/0.75/13	0.55	0.75	13	32		87	79	73	66	58	50	40	30
CRI4R-1E/0.75/10	0.55	0.75	10	32		66	59	54	48	42	36	29	21
CRI4R-1E/1/13	0.75	1	13	32		89	81	75	68	60	52	42	32
CRI4R-1E/1/15	0.75	1	15	32		103	93	87	79	70	60	48	36
CRI4R-1E/1/18	0.75	1	18	32		121	109	102	92	80	68	56	40
CRI4R-1E/1.5/18	1.1	1.5	18	32		123	111	103	93	82	70	58	42
CRI4R-1E/1.5/20	1.1	1.5	20	32		140	126	117	105	92	80	62	45
CRI4R-1E/1.5/23	1.1	1.5	23	32		155	138	128	115	102	84	67	49
CRI4R-1E/1.5/26	1.1	1.5	26	32		163	143	132	120	105	88	69	50
CRI4R-1E/2/26	1.5	2	26	32		165	145	134	122	107	90	71	52
CRI4R-1E/2/35	1.5	2	35	32		240	214	195	181	162	136	98	57

* Marked pumpset are having ISI licence.

PERFORMANCE CHART

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

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

100mm BOREWELL SUBMERSIBLE PUMPSET - GENIE Series

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	
CRI4R-2/1/13	0.75	1	13	40	Head in Metres	92	88	84	80	72	54	56	48	39	
CRI4R-2/3/32*	2.2	3	32	40		231	225	218	205	191	176	158	135		
CRI4R-2/3/40*	2.2	3	40	40		278	264	253	240	221	202	176	146		
CRI4R-2/5/52*	3.7	5	52	40		359	347	334	315	290	258	228	191	152	
CRI4R-2/7.5/65	5.5	7.5	65	40		466	437	418	390	357	320	283	242		
CRI4R-2/7.5/70	5.5	7.5	70	32/40		497	472	451	421	388	346	300	254		
CRI4R-2N/0.5/06*	0.37	0.5	6	32		45	42	39	36	33	29	25	22	17	2
CRI4R-2N/0.75/08*	0.55	0.75	8	32		62	57	54	50	46	41	35	29	22	
CRI4R-2N/1/13* #	0.75	1	13	32		95	86	80	74	67	58	49	41	31	3
CRI4R-2N/1.5/13	1.1	1.5	13	32		97	88	82	76	69	60	51	43	33	
CRI4R-2N/1.5/17	1.1	1.5	17	32		125	115	108	100	92	80	70	57	45	
CRI4R-2N/1.5/19*	1.1	1.5	19	32		139	127	120	110	100	88	78	64	48	3
CRI4R-2N/2/17	1.5	2	17	32		127	117	110	102	94	82	72	59	47	
CRI4R-2N/2/19	1.5	2	19	32		141	129	122	112	102	90	80	66	50	
CRI4R-2N/2/23*	1.5	2	23	32		172	158	148	137	125	111	95	81	64	
CRI4R-2N/2/25* #	1.5	2	25	32		181	165	156	144	132	117	100	81	63	3
CRI4R-2N/2/30* #	1.5	2	30	32		118	196	182	167	153	136	113	92	71	
CRI4R-2N/3/25	2.2	3	25	32		183	167	158	146	134	119	102	83	65	
CRI4R-2N/3/30	2.2	3	30	32		220	198	184	169	155	138	115	94	73	
CRI4R-2N/3/32*	2.2	3	32	32/40		241	224	210	194	178	160	139	115	88	2
CRI4R-2N/3/35* #	2.2	3	35	32/40		261	240	224	206	189	169	145	119	90	3
CRI4R-2N/3/38* #	2.2	3	38	32/40		279	256	240	223	201	179	153	121		2
CRI4R-2N/4/42*	3	4	42	32		313	286	269	250	228	202	174	143	113	2
CRI4R-2N/4/50*	3	4	50	32		369	338	315	292	266	234	198	166	125	
CRI4R-2N/5/52*	3.7	5	52	32/40		388	353	332	309	283	252	216	176	133	2
CRI4R-2N/6/60	4.5	6	60	32/40		459	426	401	368	329	298	251	201	151	
CRI4R-2N/7.5/70	5.5	7.5	70	32		532	487	454	425	384	347	294	235	176	
CRI4R-2N/7.5/75	5.5	7.5	75	32		568	530	501	456	410	364	314	251	201	

* Marked pumpset are having ISI licence. # Marked pumpset are available with All Feature Panel.

PERFORMANCE CHART

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

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

100mm BOREWELL SUBMERSIBLE PUMPSET - GENIE Series

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	1.44	1.8	2.16	2.52	2.88	3.24	3.6	3.96	4.32
						0	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2
CRI4R-3/2/20	1.5	2	20	32	Head in Metres	168	143	135	125	114	101	87	72	58	44
CRI4R-3/3/25*	2.2	3	25	32		213	185	175	164	150	135	118	97	77	59
CRI4R-3/3/30*	2.2	3	30	32		250	216	204	188	171	150	130	109	90	66
CRI4R-3/4/40	3	4	40	40		331	282	267	248	225	196	167	138	110	80
CRI4R-3/5/50	3.7	5	50	40		417	353	332	304	273	241	204	169	134	97
CRI4R-3/6/60	4.5	6	60	40		498	423	397	364	330	293	249	203	160	121

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/1/05	0.8	1	5	32	Head in Metres	37	35	34	32	30	27	24	18	10	
CRI4R-3E/1/07*	0.75	1	7	32/40		54	50	49	47	45	43	40	31	24	2
CRI4R-3E/1/09* #	0.75	1	9	32		69	64	62	59	57	52	48	39	30	5
CRI4R-3E/1/10*	0.75	1	10	32/40		75	64	62	59	56	53	50	42	17	5
CRI4R-3E/1.5/9	1.1	1.5	9	32		71	66	64	61	58	54	50	41	32	
CRI4R-3E/1.5/10	1.1	1.5	10	32		77	66	64	61	58	55	52	44	19	
CRI4R-3E/1.5/11*	1.1	1.5	11	32		87	82	80	77	74	71	67	52	36	5
CRI4R-3E/2/14*	1.5	2	14	32/40		112	103	99	96	92	88	82	67	50	
CRI4R-3E/1.5/15*	1.1	1.5	15	32		109	94	91	87	83	78	71	56	38	4
CRI4R-3E/2/11	1.5	2	11	32		89	84	82	79	76	73	69	54	38	
CRI4R-3E/2/15	1.5	2	15	32		110	95	92	88	84	79	72	57	39	
CRI4R-3E/2/17*	1.5	2	17	32		121	114	111	107	103	99	91	74	56	
CRI4R-3E/3/24*	2.2	3	24	32/40		182	171	167	162	157	148	138	120	86	3
CRI4R-3E/3/26*	2.2	3	26	32/40		184	167	162	157	152	147	141	123	94	
CRI4R-3E/5/40*	3.7	5	40	32/40		301	272	264	254	240	222	200	152	113	
CRI4R-3E/6/43*	4.5	6	43	32/40		308	280	270	255	240	227	212	171		
CRI4R-3E/7.5/43	5.5	7.5	43	32/40		313	285	275	260	245	232	217	176		
CRI4R-3E/7.5/54*	5.5	7.5	54	32/40		412	389	382	374	362	346	319	259		2

* Marked pumpset are having ISI licence. # Marked pumpset are available with All Feature Panel.

PERFORMANCE CHART

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

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

100mm BOREWELL SUBMERSIBLE PUMPSET - GENIE Series

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	1.8	2.16	2.52	2.88	3.24	3.6	4.32	5.04
						0	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.4
CRI4R-3E/1/07S	0.75	1	7	32	Head in Metres	48	42	41	40	37	34	30	23	14
CRI4R-3E/1/10R	0.75	1	10	32	Head in Metres	61.5	52.5	50	47	43.5	39	34	24	14.5

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-5/1/07* #	0.75	1	7	32/40	Head in Metres	50	43	41	38	34	29	24	17	10	5
CRI4R-5/1.5/09*	1.1	1.5	9	40		64	56	54	50	45	38	32	26	18	4
CRI4R-5/2/9	1.5	2	9	40		66	58	56	52	47	40	34	28	20	
CRI4R-5/2/10*	1.5	2	10	40/50		73	65	63	59	53	47	39	28	19	
CRI4R-5/2/12* #	1.5	2	12	40/50		87	76	74	69	63	56	45	33	21	
CRI4R-5/3/12	2.2	3	12	50		89	78	76	71	65	58	47	35	23	
CRI4R-5/3/15* #	2.2	3	15	40		111	97	95	89	82	71	59	45	30	3
CRI4R-5/3/18*	2.2	3	18	40/50		132	116	113	104	95	85	71	53	35	3
CRI4R-5/5/25*	3.7	5	25	40/50		181	158	154	144	134	121	101	77		3
CRI4R-5/5/27*	3.7	5	27	40/50		192	169	164	153	138	121	99	75		
CRI4R-5/5/32*	3.7	5	32	40		215	177	173	161	141	118	97	77		

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	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
						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/5/37*	3.7	5	37	40	Head in Metres	224	200	196	191	182	169	156	143	124				2
CRI4R-5E/7.5/56	5.5	7.5	56	40	Head in Metres	335	293	286	279	261								

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	2.88	3.24	3.6	4.32	5.04	5.76	6.48	7.2	7.92	8.64
						0	0.8	0.9	1	1.2	1.4	1.6	1.8	2	2.2	2.4
CRI4R-5N/5/37	3.7	5	37	50	Head in Metres	228	201	197	193	182	171	157	136	112	92	69
CRI4R-5N/5/40	3.7	5	40	50		229	201	198	193	183	171	157	138	112	93	70
CRI4R-5N/7.5/50	5.5	7.5	50	50		312	276	271	266	254	240	221	201	176	145	102
CRI4R-5N/7.5/56	5.5	7.5	56	50		343	301	295	289	275	259	237	210	180	146	100

* Marked pumpset are having ISI licence. # Marked pumpset are available with All Feature Panel.

PERFORMANCE CHART

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

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

100mm BOREWELL SUBMERSIBLE PUMPSET - GENIE Series

DISCHARGE																	RADIAL FLOW	
Model	kW	HP	Stage	Outlet Size in mm	m³/hr	0	2.88	3.24	3.60	4.32	5.04	5.76	6.48	7.20	7.92	8.64	9.36	10.08
					lps	0	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8
CRI4R-7/1.5/10	1.1	1.5	10	40	Head in Metres	69	60	59	58	55	52	48	43	39	34	29	24	
CRI4R-7/2/10	1.5	2	10	40		71	62	61	60	57	54	50	45	41	36	31	26	
CRI4R-7/2/12	1.5	2	12	40/50		85	75	74	72	69	66	62	57	51	46	40	34	
CRI4R-7/3/20*	2.2	3	20	40		141	124	122	119	114	108	102	94	85	76	66	55	
CRI4R-7/5/30	3.7	5	30	40/50		203	178	174	170	164	153	143	130	118	105	90	75	
CRI4R-7E/7.5/36	5.5	7.5	36	40/50		236	219	216	214	207	201	194	185	176	165	150	151	
CRI4R-7N/7.5/36	5.5	7.5	36	40		241	235	228	220	210	205	200	187	175	164	146	129	109

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-8/2/08	1.5	2	8	50	Head in Metres	58	50	48	45	39	36	28	21	3
CRI4R-8/2/09*	1.5	2	9	40/50		66	60	59	56	52	47	35	25	
CRI4R-8/3/12* #	2.2	3	12	50		89	76	74	70	60	54	42	25	
CRI4R-8/3/14*	2.2	3	14	40/50		102	90	87	83	71	64	51	37	2
CRI4R-8/5/14	3.7	5	14	50		104	92	89	85	73	66	53	39	
CRI4R-8/5/17	3.7	5	17	50		124	107	103	99	85	78	62	41	
CRI4R-8/5/20*	3.7	5	20	50		147	131	127	122	108	99	79	57	2
CRI4R-8/5/23*	3.7	5	23	40/50		168	146	141	135	120	109	88	62	
CRI4R-8/6/28	4.5	6	28	40		200	172	166	159	140	129	104	78	
CRI4R-8/7.5/34*	5.5	7.5	34	40		232	215	209	197	169	154	127	85	

													MIXED FLOW
Model	kW	HP	Stage	Outlet Size in mm	m³/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/2/8	1.5	2	8	50	Head in Metres	51	44	39	32	25	17		
CRI4M-8E/5/17	3.7	5	17	50		108	96	85	70	55	40		
CRI4M-13/3/9	2.2	3	9	50		47		41	38	35	31	26	20
CRI4M-13/5/12	3.7	5	12	50		50	48	45	41	32	24		
CRI4M-13/5/14*	3.7	5	14	50		67	61	56	51	44	37		

* Marked pumpset are having ISI licence. # Marked pumpset are available with All Feature Panel.

PERFORMANCE CHART

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

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

100mm BOREWELL SUBMERSIBLE PUMPSET - GENIE Series

MIXED FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	7.92	10	12	14	15.85	18	20
						0	2.2	2.78	3.33	3.89	4.4	5	5.56
CRI4M-14/2/07	1.5	2	7	50	Head in Metres	36	32	27	23.5	18.5	14	8	
CRI4M-14/3/07	2.2	3	7	50		38	33	30	29	22	18	14	9
CRI4M-14/3/09*	2.2	3	9	50		52.5	40	36.5	31.5	25.5	20.5	13	5.5
CRI4M-14/3/10*	2.2	3	10	50		57.5	46	41.5	35	28.5	22.5	15.5	7
CRI4M-14/5/12	3.7	5	12	50		69.5	56.5	50	42.5	35.5	29	21	10.5
CRI4M-14/5/14	3.7	5	14	50		79.5	63.5	57.5	49	41	33	23.5	14
CRI4P-14/3/10	2.2	3	10	50		59	49	45	40	34	29	22	15

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	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-20/2/06	1.5	2	6	65	Head in Metres	38	28	26	24	22	19	17	14	11
CRI4P-20/3/06	2.2	3	6	65		39	30	28	25	23	20	17	14	11
CRI4P-20/3/07	2.2	3	7	65		44	33	31	29	26	23	20	17	14
CRI4P-20/5/10	3.7	5	10	65		63	50	46	43	39	35	30	27	23

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	12.6	14.4	16.2	18	19.8	21.6	23.4	25.2
						0	3.5	4	4.5	5	5.5	6	6.5	7
CRI4M-20/2/06	1.5	2	6	65	Head in Metres	34	26	25	24	23	21	19	15	15
CRI4M-20/3/06	2.2	3	6	65		36	28	27	26	25	23	21	17	17
CRI4M-20/3/07	2.2	3	7	65		41	32	31	29	28	25	24	22	20
CRI4M-20/3/08	2.2	3	8	65		46	36	34	33	31	29	27	24	21
CRI4M-20/5/10	3.7	5	10	65		60	48	46	44	43	41	38	35	32
CRI4M-20/7.5/14	5.5	7.5	14	65		79	64	62	59	57	55	52	48	43

* Marked pumpset are having ISI licence.

MATERIAL OF CONSTRUCTION

100mm BOREWELL SUBMERSIBLE PUMPSET - GENIE Series

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 441 / 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 Pumpset - 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 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.



SALIENT FEATURES

- 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.

APPLICATION

- Rural water supply
- Sprinkler system
- Pressure boosting units
- Fire fighting system
- Fountains.

SPECIFICATIONS

	100MM ZUNO
Power range	0.37 kW - 1.5 kW (0.5 HP - 2 HP)
Speed	2850 RPM
Version	Single phase 230V, 50Hz, A.C. Supply
Maximum head	220 metre
Maximum flow rate	2.2 LPS (7.92 m ³ /hr)
Maximum outer diameter	98 mm
Thrust load	0.37kW - 0.75kW - 650 lbs; 1.1kW - 1.5kW - 1000 lbs;
Minimum cooling flow along the motor	0.15 m/sec
Method of starting	Capacitor Start Capacitor Run (CSCR) / Capacitor Start & Run (CSR)
Maximum starts per hour	20 times
Nominal outlet size	32, 40 & 50 mm



PERFORMANCE CHART

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

100mm BOREWELL SUBMERSIBLE PUMPSET - ZUNO Series

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/0.5/07*	0.37	0.5	7	32	Head in Metres	59	55	52	47	40	31	17		
CRI4F-1F/0.75/11*	0.5	0.75	11	32	Head in Metres	88	83	77	69	60	40	18		5
CRI4F-1F/1/16*	0.75	1	16	32	Head in Metres	129	125	121	106	84	56	34	18	4

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	0.72	1.08	1.44	1.8	2.16	2.52	2.88
						0	0.2	0.3	0.4	0.5	0.6	0.7	0.8
CRI4F-2/1/08	0.75	1	8	32	Head in Metres	68	65	63	61	57	50	44	36

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-3/1.5/14*	1.1	1.5	14	32	Head in Metres	110	102	98	94	90	85	77	67	44	4

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-2/1/13	0.75	1	13	32	Head in Metres	92	88	84	80	72	64	56	48	39	
CRI4R-2N/0.5/06*	0.37	0.5	6	32		45	42	39	36	33	29	25	22	17	5
CRI4R-2N/0.75/08*	0.55	0.75	8	32		62	57	54	50	46	41	35	29	22	5
CRI4R-2N/1/13*	0.75	1	13	32		95	86	80	74	67	58	49	41	31	4
CRI4R-2N/1.5/13	1.1	1.5	13	32		97	88	82	76	69	60	51	43	33	
CRI4R-2N/1.5/17*	1.1	1.5	17	32		125	115	108	100	92	80	70	57	45	3
CRI4R-2N/1.5/19*	1.1	1.5	19	32		139	127	120	110	100	88	78	64	48	3
CRI4R-2N/2/19	1.5	2	19	32		141	129	122	112	102	90	80	66	50	
CRI4R-2N/2/23*	1.5	2	23	32		172	158	148	137	125	111	95	81	64	3
CRI4R-2N/2/25*	1.5	2	25	32		183	167	158	146	134	119	102	83	65	4
CRI4R-2N/2/30	1.5	2	30	32		220	198	184	169	155	138	115	94	73	

* Marked pumpset are having ISI licence.

PERFORMANCE CHART

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

100mm BOREWELL SUBMERSIBLE PUMPSET - ZUNO Series

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/0.75/05*	0.55	0.75	5	32	Head in Metres	37	35	34	32	30	27	24	18	10	5
CRI4R-3E/1/05	0.75	1	5	32		37	35	34	32	30	27	24	18	10	
CRI4R-3E/1/07*	0.75	1	7	32		54	50	49	47	45	43	40	31	24	5
CRI4R-3E/1/09*	0.75	1	9	32		71	66	64	61	58	54	50	41	32	5
CRI4R-3E/1/10*	0.75	1	10	32		77	66	64	61	58	55	52	44	19	5
CRI4R-3E/1.5/11*	1.1	1.5	11	32		89	84	82	79	76	73	69	54	38	4
CRI4R-3E/1.5/15*	1.1	1.5	15	32		109	94	91	87	83	78	71	56	38	5
CRI4R-3E/2/15*	1.5	2	15	32		110	95	92	88	84	79	72	57	39	
CRI4R-3E/2/14	1.5	2	14	32		112	103	99	96	92	88	82	67	50	
CRI4R-3E/2/16	1.5	2	16	32		125	118	115	112	106	99	93	77	59	
CRI4R-3E/2/17	1.5	2	17	32		121	114	111	107	103	99	91	74	56	

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-5/1/07*	0.75	1	7	32/40	Head in Metres	50	43	41	38	34	29	24	17	10	5
CRI4R-5/1.5/09*	1.1	1.5	9	40		66	58	56	52	47	40	34	28	20	4
CRI4R-5/2/10*	1.5	2	10	50		73	65	63	59	53	47	39	28	19	

* Marked pumpset are having ISI licence.

MATERIAL OF CONSTRUCTION

100mm BOREWELL SUBMERSIBLE PUMPSET - ZUNO Series

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 Pumpset - STEELIX 4 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.

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.

APPLICATION

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

SPECIFICATIONS

	100MM STEELIX
Power range	0.37 kW - 7.5 kW (0.5HP - 10HP)
Speed	2850 RPM
Version	Single phase 220V, Three phase 380 - 415V, 50Hz, A.C. Supply
Maximum total head	495 Metre
Maximum flow rate	5 LPS (18 m ³ /hr)
Minimum cooling flow along the motor	0.15 m /sec
Method of starting	Capacitor Start Capacitor Run (CSCR) / Direct Online (DOL) / Star Delta (SD)
Maximum starts per hour	20 times
Nominal outlet size	32, 40 & 50mm



PERFORMANCE CHART

2850 RPM, At Rated Voltage – Single Phase 230 Volts

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

100mm BOREWELL SUBMERSIBLE PUMPSET - STEELIX 4 Series

RADIAL FLOW

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
WA4AS-1/0.5/14	0.37	0.5	14	32	Head in Metres	80	71	65	58	49	39	29	18	13
WA4AS-1/1.5/36	1.1	1.5	36	32	Head in Metres	198	182	165	145	123	102	80	54	41
WA4AS-1/2/50	1.5	2	50	32	Head in Metres	280	250	226	199	170	140	106	70	51

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
WA4AS-2/0.5/9	0.37	0.5	9	32	Head in Metres	52	47	43	38	33	28	23	17
WA4AS-2/1/18	0.75	1	18	32	Head in Metres	118	113	100	90	78	70	61	48
WA4AS-2/1/9	0.75	1	19	32	Head in Metres	54	49	45	40	35	30	25	19
WA4AS-2/1.5/18	1.1	1.5	18	32	Head in Metres	120	115	102	92	80	72	63	50
WA4AS-2/1.5/23	1.1	1.5	23	32	Head in Metres	145	140	128	113	93	82	71	57
WA4BS-2/2/28	1.5	2	28	32	Head in Metres	180	172	160	142	121	110	98	77
WA4BS-2/2/33	1.5	2	33	32	Head in Metres	215	199	183	165	140	124	108	82
WA4BS-2/3/40	2.2	3	40	32	Head in Metres	249	232	218	195	165	144	127	92

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
WA4AS-3/0.75/9	0.55	0.75	9	32	Head in Metres	52	50	48	46	40	33	25	13
WA4AS-3/1/9	0.75	1	9	32	Head in Metres	54	52	50	48	42	35	27	15
WA4AS-3/1/12*	0.75	1	12	32	Head in Metres	75	69	65	60	54	45	33	20
WA4AS-3/1.5/18	1.1	1.5	18	32	Head in Metres	108	104	100	93	84	71	50	32
WA4AS-3/2/18	1.5	2	18	32	Head in Metres	110	106	102	95	86	73	52	34
WA4BS-3/2/25	1.5	2	25	32	Head in Metres	168	159	148	134	117	99	74	45
WA4BS-3/3/29*	2.2	3	29	32	Head in Metres	190	181	170	159	140	117	90	50
WA4BS-3/5/52	3.7	5	52	32	Head in Metres	330	303	290	272	244	206	162	103
WA4BS-3/5/60	3.7	5	60	32	Head in Metres	384	345	328	304	274	228	180	110
WA4BS-3/6/65	4.5	6	65	32	Head in Metres	403	360	342	320	290	345	190	115
WA4BS-3/7.5/80	5.5	7.5	80	32	Head in Metres	495	442	420	394	352	300	234	140

PERFORMANCE CHART

2850 RPM, At Rated Voltage – Single Phase 230 Volts

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

100mm BOREWELL SUBMERSIBLE PUMPSET - STEELIX 4 Series

RADIAL FLOW

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	43	40	37	32	23	15
WA4AS-5/1.5/12	1.1	1.5	12	40		75	71	65	57	48	38	24
WA4BS-5/2/17	1.5	2	17	40		108	94	88	80	68	51	33
WA4BS-5/3/25	2.2	3	25	40		162	143	131	119	102	77	53
WA4BS-5/5/38	3.7	5	38	40		241	215	198	177	152	119	81
WA4BS-5/5/44	3.7	5	44	40		280	244	223	199	170	134	92
WA4BS-5/7.5/52	5.5	7.5	52	40		324	281	258	230	199	156	108
WA4BS-5/7.5/60	5.5	7.5	60	40		360	322	300	262	236	190	130
WA4BS-5/10/75	7.5	10	75	40		487	427	392	352	302	237	168

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	3	4	5	6	7	8	9	10	11	12	14	16	18
						0	0.83	1.11	1.39	1.66	1.94	2.22	2.50	2.78	3.05	3.33	3.89	4.44	5
WA4BS-8/1/5	1.1	1	15	50	Head in Metres	32	27	25	23	22	20	18	16	13	11				
WA4BS-8/3/12*	1.5	3	12	50		74	68	67	65	61	56	51	44	37	27				
WA4BS-8/3/15	2.2	3	15	50		94	85	82	79	75	69	63	55	46	36				
WA4BS-8/4/18	3	4	18	50		112	107	103	99	94	87	79	69	57	44				
WA4BS-8/7.5/37	5.5	7.5	37	50		230	204	195	185	173	162	146	131	112	89				
WA4BS-14/10/25	7.5	10	25	50		161		156		152		145		137		125	110	91	68

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

LTK Series



Vertical Openwell Submersible Pumpset - LTK Series

C.R.I. Vertical Openwell Submersible Pumpsets are ideally suitable for Openwell / Tanks where a wide fluctuation of water level occur. 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.

SALIENT FEATURES

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

APPLICATION

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

SPECIFICATIONS

	LTK
Power range	0.75 kW & 1.1 kW (1HP & 1.5HP)
Speed	2850 RPM
Version	Single phase 220 - 240V, 50Hz, A.C. Supply
Maximum total head	89 Metre
Maximum flow rate	1.66 LPS (6 m ³ /hr)
Method of starting	Capacitor Start Capacitor Run (CSCR)
Maximum starts per hour	10 times
Nominal outlet size	32 mm

PERFORMANCE CHART

2850 RPM At Rated Voltage - Single Phase 220 - 240 Volts, 50Hz, A.C. Supply

VERTICAL OPENWELL SUBMERSIBLE PUMPSET - LTK Series

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	5.0	6.0
LTK – 3E/07M - 9	0.75	1	9	32	Head in Metres	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 Pumpset - PLANO / CSS / SELFY+ Series

C.R.I. Horizontal Openwell Submersible Pumpsets are ideally suitable for Openwell / Tanks where a wide fluctuation of water level occur. The optimal design of impellers and diffusers enables the best possible hydraulic efficiency. 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. 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.

SALIENT FEATURES

- Rigid Construction • Long Durability • 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.

APPLICATION

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

SPECIFICATIONS

	PLANO / CSS / CSS-J / SELFY+
Power range	0.37 kW - 2.2 kW (0.5HP - 3HP)
Speed	2850 RPM
Version	Single phase 220 - 240V; Three phase 380 - 415V, 50Hz, A.C. Supply
Maximum total head	57 Metre
Maximum flow rate	17 LPS (61.2 m ³ /hr)
Method of starting	Capacitor Start Capacitor Run (CSCR) / Capacitor Start & Run (CSR) / Direct Online(DOL)
Maximum starts per hour	10 times
Nominal outlet size	25, 32, 40 & 50 mm

PERFORMANCE CHART

2850 RPM, At Rated Voltage – Single Phase – 220 - 240 Volts

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

HORIZONTAL OPENWELL SUBMERSIBLE PUMPSET - CSS Series

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
					0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	
CSS-1*	0.37	0.5	25	Head in Metres	25	23	21	20	18	16	7			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			5
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	9.0	10.8	12.6	14.4	16.2	18.0	19.8	21.6	23.4	25.2	27.0	28.8	30.6	32.4	34.2	36.0	Star Rating
					0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10	
CSS-9*	1.1	1.5	50	Head in Metres	16.7	16.5	16.5	16.3	16.1	15.9	15.6	15.3	15.0	14.6	14.0	13.2	12.2	11.0	10.0	8.8	7.5					
CSS-14*	1.5	2	50		22.3	22.2	22.0	21.8	21.6	21.2	20.8	20.4	19.8	19.4	18.9	18.2	17.4	16.5	15.4	14.3	13.2	12.0	10.5	8.9	7.0	5
CSS-14E*	1.5	2	50		22.2			22.0	21.9	21.7	21.5	21.3	21.0	20.8	20.2	19.5	18.8	18.0	17.2	16.2	15.2	14.0	13.0	11.8	9.8	5
CSS-16HH*	1.5	2	40		33.2	33.0	32.6	32.0	31.3	30.5	29.5	28.4	27.2	25.8	23.8											5
CSS-18*	2.2	3	50		34.3	34.0	33.9	33.5	32.9	32.3	31.6	30.8	29.9	28.6	27.2	25.8	24.3	23.2	21.6							5

JACKET TYPE OPENWELL SUBMERSIBLE PUMPSETS

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
					0	5	6	7	8	9	10	11	12	13	14	15	16	17
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

* Marked pumpset are having ISI licence | CSS 25HH, CSS 26HH, CSS 27HH, CSS 28HH & CSS 3H are having SS Impeller | HH - High head

PERFORMANCE CHART

2850 RPM At Rated Voltage - Single Phase 220 - 240 Volts, 50Hz, A.C. Supply

HORIZONTAL OPENWELL SUBMERSIBLE PUMPSET - PLANO Series

Model	kW	HP	Suction x Delivery in mm	m ³ /hr lps	0.0	1.0	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		16.5	16	15	14.5	14	13.5	13	12	11	10	9	7.5	8				
PLANO 52N	0.37	0.5	25x25		21		20	20	19	18	18	17	16	15	14	14	14	13	12	9	9	8	
PLANO 104*	0.75	1	25x25		33	32	30		28	24	23	22	22	21	20	19	19	18	17	15	13		5
PLANO 102N	0.75	1	32x25		35	33	31	30	28	27	27	26	25	24	24	23	22	21	18	15	14		
PLANO 106	0.75	1	25x25		32		28	26	25	24	23.5	23	22	21.5	21	20.5	20	19	18.5	18			
PLANO 150	1.1	1.5	32x25		42		39	38	37	36	36	34	34	31	29	29	28	28	25	22	16		
PLANO 151	1.1	1.5	32x40		42	39	38	37	36	36	34	34	31	29	29	28	28	25	22	16			

Model	kW	HP	Suction x Delivery in mm	m ³ /hr lps	0	1.8	5.4	7.2	9.0	10.8	12.6	14.4	16.2	18.0	19.8	21.6	23.4	25.2	27.0	28.8	29.5	30.6
					0.0	0.5	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.2	8.5
PLANO 152	1.1	1.5	40x40	Head in Metres	22.3	22.2	21.8	21.5	20.9	20.0	19.7	19.3	18.6	17.8	17.0	16.0						
PLANO 200	1.5	2	50x50		22.0		21.5	21.3	21.0	20.8	20.5	20.1	19.7	19.3	18.7	18.1	17.5	16.6	15.7	15.1	14.8	14.1

Model	kW	HP	Suction x Delivery in mm	m ³ /hr lps	DISCHARGE																					
					0	1.44	1.80	3.60	4.32	5.40	5.76	6.84	7.20	7.92	8.28	9.0	10.1	10.8	11.5	12.2	12.6	13.0	14.4	15.8	16.2	18.0
PLANO 201	1.5	2	50x50	Head in Metres	32.0		31.0	30.6		30.2			29.6		29.3	29	28.2		27.8	27.5	27.3		25.7	24	23.6	21.4
PLANO 202	1.5	2	50x50		47.0	44.9	44.6	42.7	41.8	40.2	39.5	37.6	36.9	35.2		33.0	30.3	28.8	26.4							
PLANO 203	1.5	2	50x50		47.0	45.1	44.8	42.9	42.0	40.4	39.7	37.8	37.1	35.7		33.2	30.5	29.0	26.6							

* Marked pumpset are having ISI licence.

PERFORMANCE CHART

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

HORIZONTAL OPENWELL SUBMERSIBLE PUMPSET - SELFY+ Series

Model	kW	HP	Suction x Delivery in mm	Speed	m ³ /hr lps Head in Metres	0	0.61	0.8	1.01	1.4	1.8	2.2	2.6	3.0	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	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 / MS / CI
Impeller	Cast Iron / Noryl / SS 304 / High Tensile Brass
Casing	Cast Iron
Rear Cover	Cast Iron
Shaft	SS 410

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Front Bracket	Cast Iron
Shaft Seal	Nitrile Butyl Rubber
Thrust Assembly	Leaded Bronze & Compostos / Ferobestos SS 410 & Graphite Carbon
Diaphragm	High Nitrile Rubber

ACM Series**Virat**

Centrifugal Monoblock Pumpset - ACM / ADM / VIRAT 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.

SALIENT FEATURES

- High operating efficiency resulting in lower power consumption
- 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.

APPLICATION

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

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	Single phase 220 - 240V; Three phase 380 - 415V, 50Hz, A.C. Supply	
Maximum total head	60 Metre	34 Metre
Maximum flow rate	18 LPS (64.8m ³ /hr)	8.33 LPS (29.99m ³ /hr)
Maximum suction lift	7 Metre	
Class of insulation	B	
Maximum ambient temperature	40°C	
Sealing	Mechanical seal	
Method of starting	Permanent Split Capacitor (PSC)	
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 100 mm	

PERFORMANCE CHART

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

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

SINGLE STAGE CENTRIFUGAL MONOBLOCK PUMPSET - ACM Series

Model	Body	kW	HP	Suction x Delivery in mm	m ³ /hr	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	Star Rating
						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
						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	m ³ /hr	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
						0	3	4	5	6	7	8	9	10	11	12	13	14
T/ACM-6* / S-ACM-6	CI	0.75	1	50x50	Head in Metres	13	12	12	11	10	8							
ACM-38	CI	0.75	1	65x50														
ACM-40S* LV	CI/AL	1.1	1.5	80x80		9.9				9.7	9.7	9.4	8.9	8.3	7.9	7.4		
S/ACM-18	CI	1.1	1.5	50x40		23	18	15	11									
S/ACM-9	CI	1.1	1.5	50x50		17		14	12	11	8	4						
S/ACM-20	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
ACM-42 WV	AF	1.1	1.5	80x80		14	13.4	13	12.6	12.2	11.6	11	10	9.1	8.2	7.5	6.4	5.4
S/ACM-19 / ACM-19* T/ACM-19*	CI	1.5	2	50x50		24	21	20	19	16	14							

* Marked pumpset are having ISI licence. WV - Wide voltage operation | LV - Low voltage operation | ES - Extension Shafts available | S - Slick | H - High head

PERFORMANCE CHART

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

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

SINGLE STAGE CENTRIFUGAL MONOBLOCK PUMPSET - ACM Series

Model	Body	kW	HP	Suction x Delivery in mm	m³/hr lps	0	7.2	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
						0	2	3	4	5	6	7.1	8	9	10	11	12	13	14	15	16	17	18
ACM-54	AF	0.75	1	80x80	Head in Metres	13			12	11	11	10	10	9	8	8	7	6					
ACM-21LV / S/ACM-21 / ACM-21*/SW/ACM-21LV	CI	1.5	2	65x50		22		21	20	19	18	17	15	12	9								
ACM-22* / S / 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	CI	1.5	2	80x80		15						14	13	12	11	9							
T/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*/ACM-23SWV	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	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 / S / ACM-64	CI	2.2	3	100x100		15				14	14	14	14	13	13	12	12	11	10	9	8	7	
ACM-27 / S / ACM-27	CI	1.5	2	50x50		33.5	33	32.5	32	30	16												
ACM-42N	CI	1.1	1.5	80x80		8.8							8.7	8.6	8.4	8.0	7.3	6.8					
S/ACM-22S	CI	1.5	2	80x65		15				13.5	13	12	11	10.5	9.5	8.6	8	7					

Model	Body	kW	HP	Suction x Delivery in mm	m³/hr lps	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 40S	CI	0.75	1	80x80	Head in Metres	9.9	9.8	9.8	9.8	9.7	9.7	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.1	9.0	8.5	8.3	7.7	7.4	6.6
ACM-40 WV ES / WV	AL	0.75	1	80x80		13									12	11	11	11	11	10	9	9	8	7	6
S/ACM-45	CI	2.2	3	50x40		37						33	33	32	30	28	26	23	20						

* Marked pumpset are having ISI licence. WV - Wide voltage operation | LV - Low voltage operation | ES - Extension Shafts available | S - Slick | H - High head

PERFORMANCE CHART

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

SINGLE STAGE CENTRIFUGAL MONOBLOCK PUMPSET - ACM Series

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*	AL/CI	0.37	0.5	25x25		20		19.8	19.6	18.4	17.9	17.3													
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 A48 WV / DF / ES	CI	0.37	0.5	40x40		16										12	12	12	11	11	10	9	9	8	7
ACM A48N AF / DF / ES	CI	0.37	0.5	40x40		12.5					12	11.8	11.6	11.3	11.2	10.9	10.5	10	9.6	9.3	8.8				
ACM 60N / ES	CI	0.37	0.5	50x50		12.2				12	11.9	11.8	11.7	11.6	11.4	11.2	11	10.9	10.8	10.5	10.3	10	9.7	9.3	
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

Model	Body	kW	HP	Suction x Delivery in mm	m³/hr	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	Star Rating
						lps	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	
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	19	19	19	18	18	17	16	16	

Model	Body	kW	HP	Suction x Delivery in mm	m³/hr	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
ACMA6* / ACMA6 WV / ES	CI	0.75	1	50x50	Head in Metres	14						14	14	13	12	12	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		
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

* Marked pumpset are having ISI licence. WV - Wide voltage operation | LV - Low voltage operation | ES - Extension Shafts available | S - Slick | H - High head

PERFORMANCE CHART

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

SINGLE STAGE CENTRIFUGAL MONOBLOCK PUMPSET - ACM Series

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
						lps	1.7	2.2	2.8	3.1	3.3	3.6	3.9	4.2	4.4	4.7	5	5.3	6.6
ACM50 & ACM50 ES	CI	0.75	1	50x50	Head in Metres	14	14	14	13	13	13	12	12	12	11	11	10	10	

DOUBLE STAGE CENTRIFUGAL MONOBLOCK PUMPSET - ADM Series

Model	Body	kW	HP	Stage	Suction x Delivery in mm	m ³ /hr	0	3	4.8	6	7.2	8.4	9.6	10.8
							0	0.8	1.3	1.7	2	2.3	2.7	3.0
ADM 5	CI	1.5	2	2	40x32	Head in Metres	60	54	47	41	36	31	23	15

SINGLE STAGE CENTRIFUGAL MONOBLOCK PUMPSET - VIRAT Series

Model	Body	kW	HP	Suction x Delivery in mm	m ³ /hr	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	Star Rating
						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 524	AL	0.37	0.5	25x25	Head in Metres	15		12.5		11.5	11														
VIRAT 525	AL	0.37	0.5	25x25		18		16	16	14	13	13	12												
VIRAT 525N/ES	AL/CI	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

Model	Body	kW	HP	Suction x Delivery in mm	m ³ /hr	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
VIRAT 540 / ES	AL/CI	0.37	0.5	40x40	Head in Metres	15	13	13	12	12	12	11	11	10	10	7

* Marked pumpset are having ISI licence. WV - Wide voltage operation | LV - Low voltage operation | ES - Extension Shafts available | S - Slick | H - High head

PERFORMANCE CHART

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

SINGLE STAGE CENTRIFUGAL MONOBLOCK PUMPSET - VIRAT Series

Model	Body	kW	HP	Suction x Delivery in mm	m ³ /hr	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	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	CI	1.1	1.5	50x50		14			14					14	13	12	10	9	9	6	

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

ACM - 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

VIRAT - 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

* Marked pumpset are having ISI licence. ES - Extension Shafts available | DF - Dual Flange | HH - High head

AJ & BP Series



Deepwell Centrifugal Jet Pumpset - AJ / BP 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. 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.

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.

APPLICATION

- Domestic
- Farms
- Gardens
- Civil applications.

SPECIFICATIONS

	AJ & BP
Power range	0.37 kW - 1.5 kW (0.5HP - 2HP)
Speed	2880 RPM
Version	Single phase 220 - 240V, 50Hz, A.C. Supply
Maximum suction lift/ head	92 Metre
Maximum flow rate	50 LPM (3 m ³ /hr)
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

PERFORMANCE CHART

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

SINGLE STAGE CENTRIFUGAL JET PUMPSET - AJ Series

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												
									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					

Model	Body	kW	HP	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	m ³ /hr	0.6	0.73	0.86	0.94	1.04	1.17	1.2	1.3	1.4	1.5	1.6
					Suction	Press-ure	Delivery													
									lpm	10	12	14	16	17	20	20	22	23	25	27
A29/AJ9	AL	0.75	1	100	32	25	25	15.2	Head in Metres	46	43	40	37	35	32.5	30	27.5	25	22.5	20

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	m ³ /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
						Suction	Press-ure	Delivery																
										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

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												
									lpm	6.65	8.27	10	13.33	16.67	23.33	30	36.67	43.33	50
A12/AJ2S	SS	0.75	1	100	32	25	25	15.2	Head in Metres		33	30	28	23	18	6			

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

PERFORMANCE CHART

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

DOUBLE STAGE CENTRIFUGAL JET PUMPSET (HORIZONTAL MODEL) - AJ Series

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	DISCHARGE												
						Suction	Press-ure	Delivery		m³/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
										lpm	5.5	6.33	6.67	7.67	9	10	10.83	11.33	11.67	12	12.17	12.5
A10N/AJ1	CI	0.75	1	2	100	32	25	25	15.2	Head in Metres	60	57	55	52	47	45	41	40	37	36	34	28

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	DISCHARGE										
						Suction	Press-ure	Delivery		m³/hr	0.25	0.35	0.49	0.54	0.63	0.70	0.85	0.92	0.94	0.98
										lpm	4.17	5.83	8.17	9.00	10.12	11.67	14.17	15.33	15.67	16.33
A10/AJ10	AL	0.75	1	2	100	32	25	25	15.2	Head in Metres	58	55	49	46	43	40	37	33	30	28

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	m³/hr	0.35	0.45	0.55	0.70	0.79	0.90	1.02	1.08	1.09
						Suction	Press-ure	Delivery											
						lpm	5.82	7.5	9.17	11.67	13.33	15	17	18	18.33				
A10N/AJ9	CI	0.75	1	2	100	32	25	25	15.2	Head in Metres	53	47	44	38	35	33	30	27	21

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

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	m³/hr	0.49	0.54	0.60	0.66	0.72	0.79	0.84	0.90	1.00	1.09	1.16
						Suction	Press-ure	Delivery													
						lpm	8.33	9	10	11	12	13.33	14	15	16.67	18.33	19.33				
A40/AJ9*	CI	1.1	1.5	2	100	32	25	25	16.8	Head in Metres	61	58	56	54	51	49	47	43	39	25	16

Model	Body	kW	HP	No. of Stages	Min. Bore Dia in mm	Pipe Size in mm			Delivery Head in mtrs	DISCHARGE															
						Suction	Press-ure	Delivery		m³/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
						lpm	8.3	9.7	10.3	11.0	12.2	13.7	15.0	16.2	16.7	17.5	18.3	19.2	20.0	20.8	22.5				
A18/AJ9	CI	1.5	2	2	100	32	25	25	16.8	Head in Metres	73	68	64	61	58	55	52	49	46	43	40	37	35	33	28

* Marked pumpset are having ISI licence. LH -Low Head CI - Cast Iron AL - Aluminium Motor Body

PERFORMANCE CHART

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

DOUBLE STAGE CENTRIFUGAL JET PUMPSET (HORIZONTAL MODEL) - AJ Series

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																		
DISCHARGE																										
										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
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		92	89	85	82	81	79	78	74	72	71	70	69	66	65	52	37

SINGLE STAGE CENTRIFUGAL JET PUMPSETS (PACKER TYPE) - BP Series

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	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
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

* Marked pumpset are having ISI licence. CI - Cast Iron AL - Aluminium Motor Body SS - Stainless Steel





**30^{FT}
Suction**



Centrifugal Jet Selfpriming Pumpset - 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. Motor stator is made of low watt loss ferro silicon steel laminations assembled under pressure and rigidly locked in the frame. 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.

SALIENT FEATURES

- 30 feet suction lifting capacity
- Specially designed for shallow well applications
- High operating efficiency resulting in lower power consumption
- Inbuilt thermal overload protector
- In-built non return valve
- Specially coated pumps available for fertigation application.

APPLICATION

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

SPECIFICATIONS

	SHALO
Power range	0.37 kW & 0.75 kW (0.5HP & 1HP)
Speed	2880 RPM
Version	Single phase 220V, 50Hz, A.C. Supply
Maximum total head	47 Metre
Maximum flow rate	56.6 LPM (3.4 m ³ /hr)
Maximum suction lift	9 Metre
Method of starting	Permanent Split Capacitor (PSC)
Nominal pumpset size (S x D)	25 x 25 mm

PERFORMANCE CHART

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

CENTRIFUGAL JET SELFPRIMING PUMPSET - SHALO Series

Model	kW	HP	Suction x Delivery in mm	m ³ /hr lpm	0	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	3.0	3.4
					0	6.7	10.0	13.3	16.6	20.0	23.3	26.7	30.0	33.4	36.6	40.0	43.3	50.0	56.6
SHALO 4	0.37	0.5	25x25	Head in Metres	37		34	32	31		28		25		22		20	16	
SHALO 7 / 7S	0.37	0.5	25x25		38		34	33	32		29		26		23		19		
SHALO 50	0.37	0.5	25x25		36		32	30	29		27		25		23		20		
SHALO 3	0.75	1	25x25		41		38	36	35		32		30		27		25	17	11
SHALO 8	0.75	1	25x25		46		42	40	39		36		33		30		26		
SHALO 8S	0.75	1	25x25		43		38	37	36		33		30		27		23	16	
SHALO 9S	0.75	1	25x25		39		35	34	33		30		27		24		20		
SHALO 100	0.75	1	25x25		39		35	34	33		31		29		27		25		
SHALO 101 SS	0.75	1	25x25		41		37	36	35		34		32		29		27		
SHALO 102 SS	0.75	1	25x25		39		35	34	33		31		29	27	25				
SHALO 150	1.1	1.5	25x25		42	38	36	35	34	33	32	31	30	29	28	27			

SS - Stainless Steel Casing.

SPECIALLY DESIGNED FOR FERTIGATION APPLICATION

Model	kW	HP	Suction x Delivery in mm	m ³ /hr lph	0	0.8	1.0	1.4	1.8	2.2	2.6
					0	800	1000	1400	1800	2200	2600
SHALO 2	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 / SS
Mechanical Seal	Carbon & Ceramic



Regenerative Selfpriming Monoset Pumpset - 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. 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.

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.

APPLICATION

- Domestic
- Washing
- Gardens
- Civil applications.

SPECIFICATIONS

	SELFY
Power range	0.37 kW & 0.75 kW (0.5HP & 1HP)
Speed	1440 & 2880 RPM
Version	Single phase 220 – 240V, 50Hz, A.C. Supply
Maximum total head	55 Metre
Maximum flow rate	64 LPM (3.82 m ³ /hr)
Maximum suction lift	8 Metre (slow speed) / 6 metre (high speed)
Method of starting	Capacitor Start Capacitor Run (CSCR) / Permanent Split Capacitor (PSC)
Nominal pumpset size (S x D)	25 x 25 mm

PERFORMANCE CHART

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

REGENERATIVE SELFPRIMING MONOBLOCK PUMPSET - SELFY Series

Model	Body	kW	HP	Suction x Delivery in mm	Speed in RPM	Suction Capacity in mtrs	m ³ /hr lpm	0	0.61	0.78	1.02	1.38	1.80	2.22	2.58	3.00	3.36	3.84
								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 102/106	CI	0.75	1	25x25	1440	8		50			42	38	36	33	28	20	14	13
SELFY 104	CI	0.75	1	25x25	2880	8		55	48	46	43	34	27					
SELFY 105/107	MS	0.75	1	25x25	1440	8		45	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

* CI - Cast Iron | AL - Aluminium Motor Body | MS - Mild Steel



Regenerative Selfpriming Monoset Pumpset - SELFY MAX Series

C.R.I.'s Selfy Max series was precisely designed with maximized stability and performance. Selfy Max is a regenerative pump which powered by TEFC design, four pole, AC induction motor and it is best suitable for continuous duty. Motor stator is made of low watt loss silicon steel with bulky construction of motor frame. The usage of quality materials and precisely designed components provides, high performance and low temperature raise, thereby increasing the life cycle of the motor.

SALIENT FEATURES

- Maximised stability by rigid construction
- Maximised starting torque ensures trouble free operations
- Maximised efficiency of 25% to 30%
- Maximised accuracy of centrifugal governor and switch
- Powerful suction lifting capacity.

APPLICATION

- Domestic
- Washing
- Gardens
- Civil applications.

SPECIFICATIONS

	SELFY MAX
Power range	0.37 kW & 0.75 kW (0.5HP & 1HP)
Speed	1440 RPM
Version	Single phase 220V, 50Hz, A.C. Supply
Maximum total head	51 Metre
Maximum flow rate	64 LPM (3.82 m ³ /hr)
Maximum suction lift	8 Metre
Method of starting	Capacitor Start & Run (CSR) / Capacitor Start Capacitor Run (CSCR)
Nominal pumpset size (S x D)	25 x 25 mm

PERFORMANCE CHART

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

REGENERATIVE SELFPRIMING MONOBLOCK PUMPSET - SELFY MAX Series

Model	Body	kW	HP	Suction x Delivery in mm	Speed in RPM	Suction Capacity in mtrs	m ³ /hr lpm	0	0.61	0.78	1.02	1.38	1.80	2.22	2.58	3.00	3.36	3.84
								0	10	13	17	23	30	37	43	50	56	64
SELFY MAX 50	CI	0.37	0.5	25x25	1440	8	Head in Metres	31	28	27	25.5	23	19.5	16	13	9		
SELFY MAX 51	CI	0.37	0.5	25x25	1440	8		31	28	27	25.5	23	19.5	16	13	9		
SELFY MAX 100	CI	0.75	1.0	25x25	1440	8		51	48	45	42.5	39	37	33	28	20	14	13
SELFY MAX 101	CI	0.75	1.0	25x25	1440	8		51	48	45	42.5	39	37	33	28	20	14	13

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
Pump casing	Cast Iron
Motor body	Cast Iron
Impeller	High Tensile Brass
Bracket	Cast Iron
Mechanical Seal	Carbon & Ceramic

* CI - Cast Iron



Selfpriming / Non-selfpriming Monoblock Pumpset - ELSA PRO / ELSA / MIKI / DORA / SHINE / XCITE / ROYALE PRIDE / ROYALE / DHOOM / CHAMPEE 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. Pumps volute chamber and impellers are designed to give the best possible hydraulic efficiency and suction lift characteristics.

SALIENT FEATURES

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

APPLICATION

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

SPECIFICATIONS

ELSA PRO / ELSA / MIKI / DORA / SHINE / XCITE / ROYALE PRIDE / ROYALE / DHOOM / CHAMPEE

Power range	0.37kW - 1.1kW (0.5HP - 1.5HP)
Speed	2880 RPM
Versions	Single Phase 220-240 V, 50 Hz AC supply
Maximum total head	100 Metre
Maximum flow rate	4500 LPH (4.5 m ³ /hr)
Maximum suction lift	8 Metre
Nominal size (suction x delivery)	15x15 & 25x25 mm

PERFORMANCE CHART

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

SELFPRIMING MONOBLOCK PUMPSET - ELSA PRO, ELSA, MIKI Series

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	23	25	28	30
						20	26	33	39	49	59	69	76	82	90	98
						Discharge in LPH										
ELSA PRO 50	0.37	0.5	SELF PRIMING	25x25	8	1975	1780	1625	1490	1280	1030	915	700	480	240	
ELSA PRO 55	0.37	0.5	SELF PRIMING	25x25	8	1975	1780	1625	1490	1280	1030	915	700	480	240	
ELSA PRO 100	0.75	1	SELF PRIMING	25x25	8	3000	2780	2520	2320	1980	1610	1320	1090	860	430	215
ELSA PRO 105	0.75	1	SELF PRIMING	25x25	8	3000	2780	2520	2320	1980	1610	1320	1090	860	430	215

ELSA PRO 55 and ELSA PRO 105 Models are Copper Coated Winding.

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	28	30	32	35
						20	26	33	39	49	59	69	82	91	98	104	115
						Discharge in LPH											
ELSA 50	0.37	0.5	SELF PRIMING	25x25	8	2095	1920	1750	1610	1400	1155	925	685	430			
ELSA 55	0.37	0.5	SELF PRIMING	25x25	8	1985	1795	1625	1475	1250	1050	815	485				
ELSA 100	0.75	1	SELF PRIMING	25x25	8	2965	2730	2520	2330	2050	1755	1410	950	615	300		
ELSA 101	0.75	1	SELF PRIMING	25x25	8	3140	3065	2875	2700	2440	2190	1845	1440	1110	815	520	
ELSA 105	0.75	1	SELF PRIMING	25x25	8	2990	2760	2585	2385	2150	1910	1690	1440	1245	1080	930	685

ELSA 55 and ELSA 105 Models are Copper Coated Winding.

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 55	0.37	0.5	SELF PRIMING	25x25	8	2826	2600	2400	2221	1950	1668	1340	905		583	285	
MIKI 100	0.75	1	SELF PRIMING	25x25	8	3340	3186	3060	2916	2700	2412	2160	1872	1755	1638	1404	830

MIKI 55 Model is Cast Iron Motor Body

PERFORMANCE CHART

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

SELFPRIMING MONOBLOCK PUMPSET - DORA, SHINE, XCITE Series

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	0.37	0.5	SELF PRIMING	25x25	8	2088	2000	1800	1600	1400	1220	1000	760	
SHINE 100	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	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*	0.37	0.5	SELF PRIMING	25x25	8	2300	2200	2050	1850	1700	1512	1300	900				
XCITE 100*/ ES	0.75	1	SELF PRIMING	25x25	8	3100	2900	2592	2520	2450	2250	2100	1900	1620	1350	1000	825
XCITE C PLUS 51	0.37	0.5	SELF PRIMING	25x25	8	2300	2200	2050	1850	1700	1512	1300	900				
XCITE C PLUS 100	0.75	1	SELF PRIMING	25x25	8	3100	2900	2592	2520	2450	2250	2100	1900	1620	1350	1000	825

C Plus : Cast Iron Motor Body | ES : Extension Shaft model. * Marked pumpset are having ISI licence.

PERFORMANCE CHART

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

SELFPRIMING MONOBLOCK PUMPSET - ROYALE PRIDE, ROYALE Series

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											
ROYALE PRIDE 50	0.37	0.5	SELF PRIMING	25x25	8	3025	2830	2740	2500	2220	2000	1740	1500	1010	525		
ROYALE PRIDE 100	0.75	1	SELF PRIMING	25x25	8	4500	4320	4215	4180	3960	3600	3530	3315	2780	2090	1610	560

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											
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
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 100	0.75	1	SELF PRIMING	25x25	8	3350	3269	3276	3258	3204	3096	2880	2592	2268	1980	1692	1404
ROYALE E PLUS 100	0.75	1	SELF PRIMING	25x25	8	3350	3269	3276	3258	3204	3096	2880	2592	2268	1980	1692	1404

D Plus : Die-cast motor body | E Plus : Extruded motor body | ES : Extension Shaft. * Marked pumpset are having ISI licence.

PERFORMANCE CHART

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

SELFPRIMING / NON-SELFPRIMING MONOBLOCK PUMPSET - DHOOM, CHAMPEE Series

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 53	0.37	0.5	WONDER SUCTION	25x25	8	1580	1480	1400	1350	1300	1000	850	550						
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 D PLUS 52	0.37	0.5	WONDER SUCTION	15x15	8	1880	1833	1761	1660	1458	1295	1108	800	594					
DHOOM D PLUS 75	0.5	0.75	WONDER SUCTION	25x25	8	2048	1995	1925	1865	1775	1656	1500	1286	924	453				
DHOOM D PLUS 100	0.75	1	WONDER SUCTION	25x25	8	2085	2018	1928	1849	1715	1640	1475	1250	978	706				

D Plus : Die-cast motor body

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	15	21	25	30	35	40	45	50	55	60	70
						20	26	33	49	69	82	98	115	131	148	164	180	197	230
						Discharge in LPH													
CHAMPEE 100	0.75	1	NON SELFPRIMING	25x25	8	1700	1650	1600	1500	1380	1300	1200	1100	1000	900	800	700	650	480
CHAMPEE 150	1.1	1.5	NON SELFPRIMING	25x25	8	3300	3200	3024	2900	2700	2600	2400	2250	2200	2100	2000	1850	1750	1200

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

MATERIAL OF CONSTRUCTION - PUMPSET

Part Name	Material
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

RESIDENTIAL ACCESSORIES

FLAT CABLES



Available Size : 1.0 mm² to 50 mm²

CONTROL PANEL



Power Range : 0.5 HP to 2 HP
Rated Operational Voltage : 240V, 50Hz Supply
Contactor : 2 pole

ALL FEATURE CONTROL PANEL



IoT enabled
Remote operation*

100%
protection

Automatic
ON & OFF

Inbuilt water-level
monitor

Real-time
Timer

Digital
LED Display

Power Range : 0.75 HP to 3 HP
Rated Operational Voltage : 240V, 50Hz Supply

CI VALVES

FOOT VALVES



CHECK VALVES



NON RETURN VALVES



AIR VALVES



Available Size

Foot Valves : 40 - 150mm
Check Valves : 40x40 - 150x150mm
Non Return Valves : 50 - 150mm
Air Valves : 12 - 50mm

AGRICULTURAL PIPES



Available Size

uPVC Column : 33 - 168mm
RPVC : 20 - 400mm
HDPE : 20 - 630mm
Casing & Screen : 40 - 300mm
Grey & SDR Casing : 110 - 250mm



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