



C.R.I. PUMPS
Pumping trust... Worldwide.

Tiny Pumps.. Tidy Performance...



- Rigid Construction
- High operating efficiency
- Noise-less operation
- Specially designed for wide voltage operation



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.



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.

APPLICATIONS

- 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	50	55	58
						20	26	33	39	49	59	69	82	98	115	131	148	164	180	190
						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	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 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 100	0.75	1	SELF PRIMING	25x25	8	3350	3269	3276	3258	3204	3096	2880	2592	2268	1980	1692	1404	1080	756	576

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

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.

APPLICATIONS

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

SPECIFICATIONS	PLANO / CSS / SELFY+
Power range	0.37 kW - 1.5 kW (0.5HP - 2HP)
Speed	2850 / 1440 RPM
Version	Single phase 220 - 240V; Three phase 380 - 415V, 50Hz, A.C. Supply
Maximum total head	57 Metre
Maximum flow rate	10 LPS (36 m³/hr)
Method of starting	Capacitor Start Capacitor Run / Capacitor Start & Run / Direct Online
Maximum starts per hour	10 times
Nominal outlet size	25, 32, 40 & 50 mm

Plano



CSS Series



CSS-4S Series



selfy+



IS : 14220
CM/L-6697301



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

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			

* 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, SELFY+ Series

Model	kW	HP	Suction x Delivery in mm	m ³ /hr	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	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
					0.0	0.4	0.5	1.0	1.2	1.5	1.6	1.9	2.0	2.2	2.3	2.5	2.8	3.0	3.2	3.4	3.5	3.6	4.0	4.4	4.5	5.0
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							

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

Model	kW	HP	Suction x Delivery in mm	Speed	m ³ /hr	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	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 / 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

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

APPLICATIONS

- 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	0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
					lps	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	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

selfy



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.

APPLICATIONS

- 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 / Permanent Split Capacitor
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	0.80	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 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		41	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



selfy
MAX



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

APPLICATIONS

- 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 (Slow Speed)
Method of starting	Capacitor Start & Run / Capacitor Start Capacitor Run
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	0	0.61	0.78	1.02	1.38	1.80	2.22	2.58	3.00	3.36	3.84
							lpm	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



Shalo



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.

APPLICATIONS

- 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	0.6	0.8	1.0	1.4	1.8	2.2	2.6	3.0	3.4
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	24	20		
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		40	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		

SS - Stainless Steel Casing.

SPECIALLY DESIGNED FOR FERTIGATION APPLICATION

Model	kW	HP	Suction x Delivery in mm	m ³ /hr lpm	0	0.8	1.0	1.4	1.8	2.2	2.6
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

Centrifugal Monoblock Pumpset - ACM / 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.

APPLICATIONS

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

SPECIFICATIONS	ACM	VIRAT
Power range	0.37 kW - 0.75 kW (0.5 HP - 1 HP)	
Speed	2880 RPM	
Version	Single phase 220 - 240V; Three phase 380 - 415V, 50Hz, A.C. Supply	
Maximum total head	35 Metre	34 Metre
Maximum flow rate	3.7 LPS (13.3m ³ /hr)	8.33 LPS (29.99m ³ /hr)
Maximum suction lift	7 Metre	
Method of starting	Permanent Split Capacitor (PSC)	
Nominal pumpset size (S x D)	25 x 25 & 32 x 25 mm	

ACM Series



Virat



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	0	1.4	2.2	2.6	3.8	4.2	4.6	5.4	6.1	6.8	7.6	Star Rating
						0	0.4	0.6	0.7	1.0	1.2	1.3	1.5	1.7	1.9	2.1	
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				

Model	Body	kW	HP	Suction x Delivery in mm	m³/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	Star Rating
						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	
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 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	

MATERIAL OF CONSTRUCTION - ACM

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

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	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	
					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	
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	

Model	Body	kW	HP	Suction x Delivery in mm	m³/hr	0	4.50	6.80	7.31	7.60	8.21	8.39	8.57	9.00
					lps	0	1.25	1.89	2.03	2.11	2.28	2.33	2.38	2.50
VIRAT 1025H	AL	0.75	1	32x25	Head in Metres	33	30	29	29	28	28	27	27	26

MATERIAL OF CONSTRUCTION - VIRAT

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

TINY PUMPS ACCESSORIES

FLAT CABLES



Available Size : 1.0 mm² to 50 mm²

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



CONTROL PANEL



Power Range : 0.5 HP to 2 HP

Rated Operational Voltage : 240V, 50Hz Supply

Contactor : 2 pole



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