C.R.I. PUMPS

Pumping trust... Worldwide.

MORE STARS MORE SAVINGS
POWER SAVINGS GUIDE

- 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.

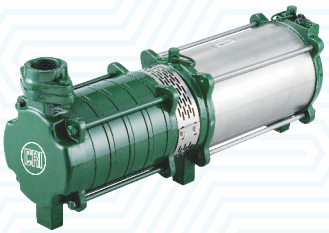
Horizontal Openwell Submersible Pumpset - PLANO / CSS / SELFY+ Series

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.

CSS Series

CSS-4S Series



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	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	Star Rating
				lps	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	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
				lps	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	0	18	21.6	21.6	28.8	32.4	36	39.6	43.2	46.8	50.4	54	57.6	61.2
				lps	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	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
				lps	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	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
				lps	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
				lps	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	40x40	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	32x25		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	32x40		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	0	0.61	0.8	1.01	1.4	1.8	2.2	2.6	3.0	3.38	3.82
					lps	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

DISCHARGE

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

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TOLL FREE 1800 121 1243 www.crigroups.com chatbot : **+91 9500401115**