



C.R.I. PUMPS

Pumping trust... Worldwide.



- Tough & Efficient for Long Life.
- Motor designed with High Cooling Effect.
- Technically Enriched Double Depth Working Capacity.
- 3D HT Technology for Long-lasting Performance.
- Specially Designed for More Sprinkler Operations.



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.



CSM Series



CV / CVH Series



Openwell Submersible Pumpset - RYKER, CV, CVH & CSM Series

CRI Openwell Submersible Pumpset are ideally suitable for openwells or tanks where a wide fluctuation of water level occur. This works under water and rest at the bottom of the well. Prime mover is rewindable, water – cooled motor. Specially designed water lubricated bearings are used to withstand the axial thrust loads with minimum wear and tear. Motor sealing is made by polymers, 'O' rings, oil seals and sand guard to avoid ingress of well water/salt into the motor. Pressure equalizing rubber diaphragm is provided to guard the motor from pressure and volume variation of water as detailed in our operator's manual. Three phase motor requires an adequate motor protection control panel.

SALIENT FEATURES

- Specially designed double side carbon pads for higher wear resistance
- No suction and priming problem
- Extremely tough and hard wearing lubricated journal bearings are used
- Dynamically balanced rotating parts ensures minimum vibration and longer life
- Motor designed with higher cooling effect ensures longer life
- Motor body available in SS 304 & Cast Iron
- Designed for wide voltage fluctuations
- High operating efficiency
- No need of pump house.

APPLICATION

- Agriculture • Domestic • Irrigation • Gardens • Industrial • Rural Water Supply

SPECIFICATIONS

RYKER, CSM, CV & CVH Series

Power range	2.2 kW - 37 kW (3HP - 50HP)
Speed	2850 RPM
Version	Single phase - 200-240V; Three phase - 380 - 415V, 50Hz AC Supply
Maximum total head	341 Metre
Maximum flow rate	54 LPS (194 m ³ /hr)
Type of duty	S1 (Continuous)
Method of starting	Direct On line (D.O.L) / Star Delta(SD)
Maximum starts per hour	10 times
Nominal outlet size	50, 65, 75, 100 & 150 mm



PERFORMANCE CHART

2850 RPM, At Rated Voltage – Single Phase 220-240V, 50Hz, A.C. Supply,
Three Phase 380-415V, 50Hz, A.C. Supply.

HORIZONTAL OPENWELL SUBMERSIBLE PUMPSET - RYKER Series

Model	Body	kW	HP	Outlet Size in mm	m ³ /hr	0	7.2	10.8	14.4	18	21.6	25.2	28.8	32.4	36	39.6	43.2	46.8	50.4	54	57.6	61.2	Star Rating
						0	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
RYKER-350*	CI	2.2	3	50	Head in Metres	27			26		25	24	23	21	20	18	17	14					5 Star
RYKER-365*	CI	2.2	3	65		23					21		20		19	18	17		16	15	14	13	5 Star
RYKER-365N1	CI	2.2	3	65		23					21		20		19	18	17		16	15	14	13	
RYKER-550*	CI	3.7	5	50		38				36	35	33	31	28	25	21							4 Star
RYKER-550N	CI	3.7	5	50		41							40	39	38	36	35	34	32	30	28	26	
RYKER-565*	CI	3.7	5	65		28							26	25	24	23	22	20	19	17	16	14	4 Star
RYKER-551*	CI	3.7	5	50		43			41	40	39	37	34	27									4 Star
RYKER-556	CI	3.7	5	50		43			41	40	39	37	34	27									
RYKER-575	CI	3.7	5	75		28				25.8	24.5	23.2	21.7	19.8	18	16	13.1	10					
RYKER-750*	CI	5.5	7.5	50		42							41	40	38	37	35	34	32	31	29	27	4 Star
RYKER-751	CI	5.5	7.5	50		55		54	53	52	50	48	46	43	41	39	36	33	28	21			
RYKER-951	CI	7.5	10	50		62				57	56	54	52	50	47	44	41	38	34	29			
RYKER-1050	CI	7.5	10	50		54	53		52		51		50		49	48	47	46	45	44	41	34	
RYKER-1051	CI	7.5	10	50		63	60	58	57	56	54	53	51	50	45	42	40	36	28				
RYKER-1250	CI	9.3	12	50		55					54		53	52		51	50	49	48	46	44		

Model	Body	kW	HP	Outlet Size in mm	m³/hr Ips	0	29	40	43	47	50	54	58	61	65	68	72	76	79	83	86	90	94	97	101	104	Star Rating
						0	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
RYKER-765*	CI	5.5	7.5	65	Head in Metres	35	34	33	32	31.5	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	15	4 Star
RYKER-1065	CI	7.5	10	65		42	41		38		36	34	33	32	31	30	29	28	27	25	24	22	20	18	15		
RYKER-1550	CI	11	15	50		54		53		52		51	50	49	48	47	45	37									
RYKER-2050	CI	15	20	50		63	62		61		61		60	59	58	56	55	52	40								

Model	Body	kW	HP	Outlet Size in mm	m ³ /hr	0	32	36	40	43	47	50	54	58	61	65	68	72	76	79	83	Star Rating
						0	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
RYKER-750N	CI	5.5	7.5	50	Head in Metres	46	45	44.5	44	43.5	43	42.5	41.5	41	40	38	37	36	34	32	31	
RYKER-950*	CI	7.5	10	50		47	46		45		44	43		42	41	39	38	37	35	33	32	4 Star

Model	Body	kW	HP	Outlet Size in mm	m ³ /hr	0	29	43	50	58	61	65	72	76	79	83	86	90	94	97	101	104	108	115	122	130	137
						0	8	12	14	16	17	18	20	21	22	23	24	25	26	27	28	29	30	32	34	36	38
RYKER-1080	CI	7.5	10	75	Head in Metres	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	18	15	12	9

* Marked pumpsets are having ISI licence.

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PERFORMANCE CHART

2850 RPM, At Rated Voltage – Single Phase 220-240V, 50Hz, A.C. Supply,
Three Phase 380-415V, 50Hz, A.C. Supply.

HORIZONTAL OPENWELL SUBMERSIBLE PUMPSET - CSM Series

Model	Body	kW	HP	Outlet Size in mm	m ³ /hr lps	0	7.2	10.8	14.4	18	21.6	25.2	28.8	32.4	36	39.6	43.2	46.8	50.4	54	57.6	61.2	Star Rating
						0	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
3CSM-1*	MS	2.2	3	50	Head in Metres	24.5	24	23.5	23	22.5	22	21	20	19	18	16							3 Star
CSM-1-N	CI	2.2	3	50		24.5	24	23.5	23	22.5	22	21	20	19	18	16							
CSM-1 LV 30	SS	2.5	3	50		24			22	21	20	19	18.5	17	15	13.5							
3CSM-1S2*	CI/SS	2.2	3	50		24				23	22	21	20	19	17	11							4 Star
3CSM-21*	SS	2.2	3	50		35	33	31	27	22	17	10											
CSM-45*	SS	2.2	3	50		29	28	27	26.5	26	25	24	22	10									4 Star
CSM-2 LV 30	CI	3.7	5	50		29					27	26.5	26	25	24	22	21	20	19	17	15.5		
5CSM-2*	SS/CI	3.7	5	50		31.5	31	30.5	30.2	30	29.5	29.5	29	28	27	26	25	23	22				4 Star
CSM-3	SS/CI	3.7	5	50		42	41	40	38	37	34	31	28	25	21	14							
CSM-3E	MS	3.7	5	50		40	38	37	36.5	36	34	33	31	26	13								
CSM-3H	SS	3.7	5	50		47.5	45	42	38	33	27	17											
CSM-3S#	SS/MS	3.7	5	50		40.5	39	38	37.5	37	36	35	33	30	11								
CSM-44*	SS/CI	3.7	5	50		44	43	42	41	39	38	37	35	30	11								4 Star
CSM-44 LV 30	CI	3.7	5	50		41	40	39.5	38	37.5	36.5	35	32.5	30	11								
CSM-46	SS/CI	5.5	7.5	50		56	55	54	53.5	53	51	49	47	45	43	39	36	32	27	22			
CSM-46 LV 30	SS/CI	5.5	7.5	50		50	49.5	49	48.5	47.5	46	44	42	40	37	34	30.5	27	21.5				
CSM-12	CI	7.5	10	50		54	53	52.5		52	51.5	51	50.5	50	49	48	47	46	45	44	41	34	
CSM-36	CI	7.5	10	50		63	60	58	57	56	54	53	51	50	45	42	40	36	28				

- Single phase also available

Model	Body	kW	HP	Outlet Size in mm	m ³ /hr lps	0	18	21.6	25.2	28.8	32.4	36	39.6	43.2	46.8	50.4	54	57.6	61.2	64.8	68.4	72	75.6	79.2	82.8
						0	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
CSM-22	CI	9.3	12.5	50	Head in Metres	59				58		57	56.5	56	55.5	55	54	53	52	51	50	48	45	42	35
12.5CSM-37	CI	9.3	12.5	50		74	69	68	67	66	64	62	60	55	43	25									
CSM-28	CI	11	15	50		64.5				64		63.5	63	62	61	60.5	60	59	58.5	58	57	55	53	50	38
CSM-38	CI	15	20	50		80	79	78	77	76	74	73	73	72	71	70	68	66	62	60	52	42			

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PERFORMANCE CHART

2850 RPM, At Rated Voltage – Single Phase 220-240V, 50Hz, A.C. Supply,
Three Phase 380-415V, 50Hz, A.C. Supply.

HORIZONTAL OPENWELL SUBMERSIBLE PUMPSET - CSM Series

Model	Body	kW	HP	Outlet Size in mm	m ³ /hr lps	0	25.2	28.8	32.4	36	39.6	43.2	46.8	50.4	54	57.6	61.2	64.8	68.4	72	75.6	79.2	82.8	Star Rating
						0	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
CSM-19*	CI	2.2	3	65	Head in Metres	18.5	18	17.5	17	16	15	14	13	12	10	9	7							4 Star
CSM19-N*	CI	2.2	3	65		18.5	18	17.5	17	16	15	14	13	12	10	9	7							
5CSM-4*	SS/CI	3.7	5	65		27				26.5	26	25	24	23	22	21	19	18	16	14	12			4 Star

Model	Body	kW	HP	Outlet Size in mm	m³/hr lps	DISCHARGE																											
						0	29	43	50	58	61	65	68	72	76	79	83	86	90	94	97	101	104	108	115	122	130	137					
CSM-5*	CI	3.7	5	75	Head in Metres	22	20	18.5	17.5	16.5	16	15.5	15	14.5	14	13	12	11.5	10.5														
CSM-10-N	CI	5.5	7.5	75		30	29	27.5	26.5	25.5	25	24	23.5	23	22	21.5	21	20	19	18	17.5	16	15	14									
CSM - 47	CI	5.5	7.5	65		35	33		30	29	28	27	26	25	24	23	22	20	19	18	16	14											
10CSM-13*	CI	7.5	10	65		42	41.5	38	36	34.5	33.5	32.5	31.5	30	29	28	27	25.5	24	22	20	18	15.5										
10CSM-14*	CI	7.5	10	75		37.5	36	35	34	33	32	31	30.5	30	29	28	27	26	25	24	23	22	21	20	18	15	12	9					
15CSM-29*	CI	11	15	65		55	53	50	49	48	47	46	45	44	43	42	41	40	39	35.5	30.5	25											
20CSM-39*	CI	15	20	65		63	62.5	61.5	61	60.5	60	59.5	59	58.5	58	57	56	55	54	53	52	51	50	48	44	29							
CSM-40*	CI	15	20	75		47				46				45.5		45	44.8	44.5	44.2	44	43.5	43.2	43	42.5	41.5	40.5	39	38					

Model	Body	kW	HP	Outlet Size in mm	m³/hr lps	DISCHARGE																					
						0	58	72	79	83	86	90	94	97	101	104	108	115	122	130	137	144	151	158	173	187	194
5CSM-6*	CI	3.7	5	100	Head in Metres	0	16	20	22	23	24	25	26	27	28	29	30	32	34	36	38	40	42	44	48	52	54
CSM-11	CI	5.5	7.5	100		20	16	14	12.5	12	11	10.5	10	9	8	7	6	5									
CSM-41	CI	15	20	100		26	22	20	19	18	17.8	17.5	17	16.5	16	15	14	13	11	10	8						
						37	36	35.8	35.5	35.2	35	34.8	34.5	34.2	34	33.5	33	32.5	32	31.5	31	30	29.5	29	27	25	24

Model	Body	kW	HP	Outlet Size in mm	m ³ /hr lps	0	58	72	79	83	86	90	94	97	101	104	108	115	122	130	137
						0	16	20	22	23	24	25	26	27	28	29	30	32	34	36	38
CSM-6J	CI	3.7	5	100	Head in Metres	20	16	14	12.5	12	11	10.5	10	9	8	7	6	5			
CSM-11J	CI	5.5	7.5	100		24	20	18	17	16	16	15	15	14	14	13	12	11	9	8	6
CSM-11RJ	CI	7.5	10	100		26	22	20	19	18	17.8	17.5	17	16.5	16	15	14	13	11	10	8

Note : J - Jacket type (Submersible & Surface operation can be performed)

* Marked pumpsets are having ISI licence.

PERFORMANCE CHART

2850 RPM, At Rated Voltage – Single Phase 220-240V, 50Hz, A.C. Supply,
Three Phase 380-415V, 50Hz, A.C. Supply.

VERTICAL OPENWELL SUBMERSIBLE PUMPSET - RYKER Series

Model	Body	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	14.4	18	21.6	25.2	28.8	32.4	36	39.6	43.2	46.8	50.4	54
							0	4	5	6	7	8	9	10	11	12	13	14	15
RYKER V-365	CI	2.2	3	2	65	Head in Metres	41	40	39	38	36	33	29	26	22	18	13	7	
RYKER V-565	CI	3.7	5	2	65		49	47	45	44	43	41	38	35	32	29	25	21	13
RYKER V-566	CI	3.7	5	3	65		62	54	51	47	43	37	31	24	17				
RYKER V-765	CI	5.5	7.5	2	65		52	50	48	46	44	43	41	40	37	34	29	20	
RYKER V-766	CI	5.5	7.5	3	65		62	60	59	57	55	50	45	39	33	26	18		

VERTICAL OPENWELL SUBMERSIBLE PUMPSET - CV Series

Model	Body	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	14.4	18	21.6	25.2	28.8	32.4	36	39.6	43.2	46.8	50.4	54	57.6	Star Rating
							0	4	5	6	7	8	9	10	11	12	13	14	15	16	
CV- 0 HD	CI	2.2	3	2	65	Head in Metres	40.5	39.5	39	37.5	35.5	33	29	25.5	21.5	17.5	13	6.5			
CV-1*	CI	3.7	5	2	65		44	43	42	40	38	36	33	29	25	20	15	10			
CV-1HD	CI	3.7	5	2	65		49	46.5	45	44	43	41	38	35	32	28.5	25	20.5	13		
CV - 13	CI	3.7	5	3	65		62	54	51	47	43	37	31	24	17						
CV- 3*	CI	5.5	7.5	2	65		52	50	48	46	44	43	41	40	37	34	29	20			
CV- 33*	CI	5.5	7.5	3	65		62	60	59	59	55	50	45	39	33	26	18				2 star
CV- 35*	CI	5.5	7.5	5	65		91	77	72	65	57	47	35	22							
CV- 44*	CI	7.5	10	4	65		93	90	88	86	82	77	71	63	54	45	33	22			
CV- 46*	CI	7.5	10	6	65		103	98	95	93	85	75	65	53	40	24					
CV- 54	CI	9.3	12.5	4	65		96	94	90	86	81	77	72	68	61	54	46	33	18		
CV- 56*	CI	9.3	12.5	6	65		126	122	118	112	106	98	88	77	65	49	32	10			2 star
CV-6	CI	9.3	12.5	6	65		91	86	84	82	80	77	72	68	66	64	60	52	38		
CV-65	CI	11	15	5	65		121	114	110	106	102	97	90	82	73	62	50	36			
CV-66*	CI	11	15	6	65		141	134	131	127	121	114	105	94	80	63	44	22			
CV-74	CI	15	20	4	65		116	110	108	105	102	98	94	90	85	80	73	65	52	20	
CV-76*	CI	15	20	6	65		153	134	132	129	126	122	118	112	104	94	82	66	48	25	
CV-35/8	CI	26	35	8	75		206	197	193	187	180	172	164	154	143	130	114	89	64	40	
CV-40/13	CI	30	40	13	75		275	252	246	240	229	216	199	180	155	126	95	58			

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PERFORMANCE CHART

2850 RPM, At Rated Voltage – Single Phase 220-240V, 50Hz, A.C. Supply,
Three Phase 380-415V, 50Hz, A.C. Supply.

VERTICAL OPENWELL SUBMERSIBLE PUMPSET - CV Series

Model	Body	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	36	43.2	50.4	57.6	64.8	72	79.2	86.4	93.6	100.8	108	115.2	122.4
							0	10	12	14	16	18	20	22	24	26	28	30	32	34
CV-25/4	CI	18.5	25	4	100	Head in Metres	97	84	82	80	78	76	74	70	65	59	52	43	34	23
CV-30/4	CI	22	30	4	100		99	93	90	87	84	81	77	74	70	66	60	54	45	34
CV-40/7	CI	30	40	7	100		152	128	125	121	117	113	107	101	94	85	74	62	46	29

Model	Body	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	75.6	100.8	108	115.2	122.4	129.6	136.8	144	151.2	158.4	165.6	172.8	180	187.2	194.4
							0	21	28	30	32	34	36	38	40	42	44	46	48	50	52	54
CV-30/2	CI	22	30	2	100	Head in Metres	59	50	45	43	42	41	40	39	37	36	35	33	32	30	28	26
CV-35/3	CI	26	35	3	100		82	65	59	58	56	54	52	51	49	46	44	41	38	35	32	27
CV-50/3	CI	37	50	3	150		100	85	79	78	76	75	74	72	71	70	69	67	64	60	57	51

Model	Body	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2	18	19.8	21.6
							0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
CVH-4/5	CI	3	4	5	75	Head in Metres	96	94	92	86	78	68	54	39	22				
CVH-5/4	CI	3.7	5	4	50		74	73	72	71	70	69	66	61	54	46	37	26	16
CVH-5/6	CI	3.7	5	6	50		123	120	118	114	105	92	75	57	34	8			
CVH-6/5	SS/CI	4.5	6	5	50		93	90	88	86	84	82	80	78	70	61	50	38	25
CVH-6/7	CI	4.5	6	7	50		136	130	128	125	114	104	84	67	43	12			
CVH-7.5/6	CI	5.5	7.5	6	50		112	110	108	106	105	104	99	90	79	66	53	38	22
CVH-7.5/9N	SS	5.5	7.5	9	50		178	174	170	165	153	136	113	84	48	13			
CVH-10/11	CI	7.5	10	11	50		225	220	215	210	204	181	153	116	73	28			
CVH-15/16N	CI	11	15	16	50		341	330	320	310	298	270	233	189	133	80			

MATERIAL OF CONSTRUCTION

OPENWELL SUBMERSIBLE PUMPSET

PUMPSET	
Part Name	Material
Rear cover / Bracket	Cast iron
Stator shell	Cast iron / SS 304
Shaft	SS 410 / EN - 8 with SS 304
Impeller	Cast iron / SS 410 / Bronze
Pump casing	Cast iron
Shaft seal	Nitrile butyl rubber
Thrust assembly	SS 420 with graphite carbon
Diaphragm	High nitrile butyl rubber
Journal bearings	LTB - 4 / LTB - 5 / Carbon



✿ CATERS TO DIVERSE SEGMENTS ✿

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In view of continuous developments, the information / performance / descriptions / specifications / illustrations mentioned in this catalogue are subject to change without notice.