



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.



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



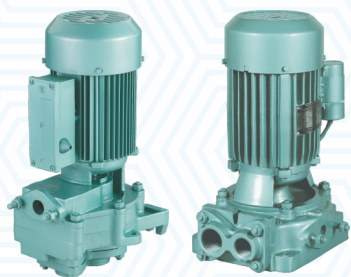
**Fludyn Advanced Technology
Centre** Recognized by Ministry of
Science & Technology, Govt. of India.

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.

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.

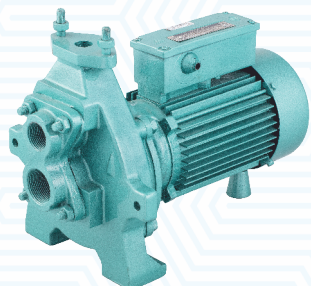
APPLICATION

- 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	m ³ /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
						Suction	Press-ure	Delivery														
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	m ³ /hr	0.25	0.35	0.49	0.54	0.63	0.70	0.85	0.92	0.94	0.98
						Suction	Press-ure	Delivery												
A10/AJ10	AL	0.75	1	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	m ³ /hr	0.35	0.45	0.55	0.70	0.79	0.90	1.02	1.08	1.09
						Suction	Press-ure	Delivery											
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													
						DISCHARGE	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	m ³ /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		DISCHARGE	12	13.33	14	15	16.67	18.33	19.33				
						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	m ³ /hr	0.14	0.16	0.17	0.18	0.20	0.23	0.25	0.27	0.28	0.29	0.31	0.32	0.33	0.35	0.38
						Suction	Press-ure	Delivery																	
						DISCHARGE	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																		
									Head in Metres	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		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										
DISCHARGE																	
									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		45	33	31	28	22	18		
BP8/3	AL	0.75	1	80	40	32	25	15.2		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



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