



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.

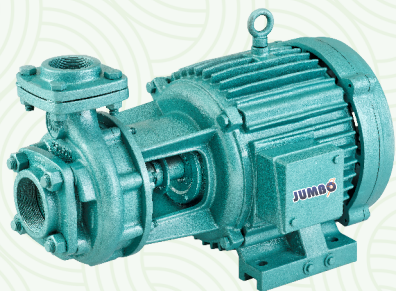
C.R.I. WIRES & CABLES - C.R.I.'s Wires & Cables are manufactured at its state-of-the-art manufacturing facility. The systems at the manufacturing facility are ISO-9001 certified and the products manufactured to meet the relevant standards.

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.



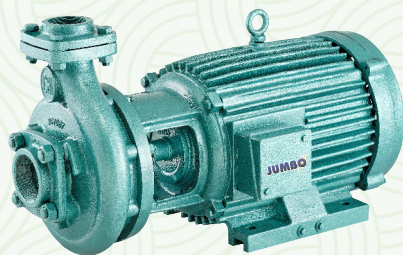
Centrifugal Monoblock Pumpset - JUMBO Series

C.R.I. Jumbo Centrifugal Monoblock Pumpsets are powered by a totally enclosed fan cooled AC induction two pole and four pole motor, suitable for continuous duty. 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 conductance. 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

- Robust construction ensures longer life
- 3D Heat Transfer technology ensures low temperature rise
- CFD based pump design ensures best hydraulic efficiency
- Dynamically balanced rotating parts to ensure minimum vibration & longer life
- High operating efficiency resulting in lower power consumption
- Accurate alignment of bearing ensures minimum starting friction and reduced starting load
- Special grade grease increases the life of the bearing
- Specially designed for wide voltage operation
- Good suction lift characteristics
- Special voltage design also available



APPLICATION

• Agriculture & Irrigation • Farms • Gardens • Industrial & Mining • Sprinkler & Drip irrigation

SPECIFICATIONS

	JUMBO	CTG / CTT Model	CFG Model
Power range	2.2kW - 7.5kW (3HP - 10HP)	2.2kW - 15kW (3HP - 20HP)	2.2kW - 7.5kW (3HP - 10HP)
Speed	2880 RPM	2880 RPM	1440 RPM
Version	Three phase 380-415V; 50Hz, AC supply		
Maximum total head	57.5 Metre	94 Metre	19.5 Metre
Maximum flow rate	23 LPS (82.8m ³ /hr)	23 LPS (82.8m ³ /hr)	62 LPS (223.2m ³ /hr)
Class of insulation	B & F Class		
Type of duty	S1 (Continuous)		
Maximum suction lift	7 Metre		
Nominal outlet size	50 x 40, 65 x 50, 75 x 65, 100 x 75, 100 x 100 & 150 x 150 mm		



PERFORMANCE CHART

2880 RPM, At Rated Voltage – Three Phase 380-415V, 50hz, A.C. Supply.

CENTRIFUGAL MONOBLOCK PUMPSET - JUMBO Series

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps Head in Metres	0	18	19.8	21.6	23.4	25.2	27	28.8	30.6	32.4	34.2	36	37.8	39.6	41.4	43.2	45	46.8	48.6	50.4	52.2
						0	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5
JUMBO 18/3	2.2	3	65	50	Head in Metres	31.5	28	27	26	25	23	22	20	18.5	16											
JUMBO 36/3	2.2	3	65	50	Head in Metres	27										26	25	24	23.5	23	22.5	21.5	20.5	19	17	15

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps Head in Metres	0	34.2	36	37.8	39.6	39.6	43.2	43.2	46.8	43.2	50.4	43.2	54	55.8	57.6	59.4	61.2
						0	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17
JUMBO 37/5	3.7	5	65	50	Head in Metres	44	38	36.5	35	34	33	32	31	30	28	26						
JUMBO 45/5	3.7	5	65	50	Head in Metres	37					30	29.5	29	28	27.5	26	24.5	20	21	19.5	18	
JUMBO 41/7.5	5.5	7.5	65	50	Head in Metres	53			50	48	46	46.5	46	45	40	36						
JUMBO 47/10	7.5	10	65	50	Head in Metres	57.5				56	55	54.5	53	52	51	50	48	46	42	38		

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps Head in Metres	0	36	40	43	47	50	54	57	61	65	68	72	76	79	83
						0	10	11	12	13	14	15	16	17	18	19	20	21	22	23
JUMBO 38/3	2.2	3	75	65	Head in Metres	18	16	15	14.5	14	13	12.5	12	11	8					
JUMBO 60/5	3.7	5	75	65	Head in Metres	29			26	25.5	25	24.5	24	23.5	23	22	21	20	19	14
JUMBO 49/7.5	5.5	7.5	75	65	Head in Metres	40			38	37	36.5	35	34	32.5	28	20				

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps Head in Metres	0	108	126	144	162	180	198	216	234	252	270	288
						0	30	35	40	45	50	55	60	65	70	75	80
JUMBO 180/15	11	15	150	150	Head in Metres	21	20.5	20	19.5	18.5	17.5	16.5	15	13.5	12	10.5	9

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps Head in Metres	0	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	36
						0	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	10
CTG-21.5/3D	2.2	3	65	50	Head in Metres	30	29.5	29	29	28.5	28.5	28	28	27.5	27	26.5	26	22	14			
CTG-14/5T	3.7	5	50	40	Head in Metres	49	48	47	45	42	40	37.5	35	33	29.5	25	18					
CTG-25/5D	3.7	5	50	40	Head in Metres	44			43	42.5	42	41.5	41	40.5	40	39.5	39	38.5	38	35.5	31	13
CTG-30/10D	7.5	10	50	40	Head in Metres	69							65.5	65	64.5	64	63.5	63	62	58	40	



PERFORMANCE CHART

2880 RPM, At Rated Voltage – Three Phase 380-415V, 50hz, A.C. Supply.

CENTRIFUGAL MONOBLOCK PUMPSET - JUMBO Series

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps	0	25.2	27.0	28.8	30.6	32.4	34.2	36.0	37.8	39.6	43.2	46.8	50.4	54.0	55.8
						0	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	12.0	13.0	14.0	15.0	15.5
CTG-36/3T	2.2	3	75	65	Head in Metres	19				18.5	18	17.5	17	16.5	16	15.5	14	13	11.5	
CTG-29/5D	3.7	5	65	50		40	37	36.5	35	34.5	33	32	31	29	28	24	19			
CTG-30/5D	3.7	5	65	50		45.5	44	43.5	43	42.5	42	41.5	41	40.5	40.5	37	35.6	34.2		
CTG-34/5D	3.7	5	65	50		31				30.5	30	29.5	29	28.5	28	27	25	24		
CTG-25/7.5D	5.5	7.5	65	50		55		53			52		50.5		49	47.5	46	45	43.5	42
CTG-36/7.5D	5.5	7.5	65	50		54.5			53	52.5	52	51.6	51	50.5	50	48.5	46.5	45		
CTG-38/10D	7.5	10	65	50		56									53	52	51	50	49	48
CTG-40/10D	7.5	10	65	50		62									59	58	57	56	54	53
CTG-43/10D	7.5	10	65	50		73						69	68	67	66	65	62	56		
CTG-48/12.5D	9.3	12.5	65	50		62.5					62	61.5	61	60.5	60	59	58	57	50	40
CTG-36/15D-N	11	15	65	50		75				73.5	73	72.5	72	71	70.5	69	68	65	46	
CTG-39/20D	15	20	65	50		94	90	89	88	87	86	85	84	83	82	81	68	51		
CTG-39/20D-N	15	20	65	50		94	90	89	88	87	86	85	84	83	82	81	68	51		

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps	0	32.4	34.2	36.0	37.8	39.6	43.2	46.8	50.4	54.0	57.6	61.2	64.8	68.4	72.0	75.6	79.2	82.8
						0	9.0	9.5	10.0	10.5	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0	23.0
CTG-61/12.5D-N	9.3	12.5	75	65	Head in Metres	53		52	51.5	51	50.5	50	49.5	49	48.5	48	47.5	47	45	44	42	25	
CTG-65/15D-N	11	15	75	65		55				53	52.5	52	51.5	51	50.5	50	49.5	49	48.5	48	47	45	15
CTG-47/20D-N	15	20	75	65		74.5			74	73.5	73	72.5	72	71.5	71	70.5	70	69	56	27			
CTG-43/3D	2.2	3	75	65		23			22.5	22	21.5	21	20	19	17	16	15						
CTG-39/5D	3.7	5	75	65		27	26.5	26	26	25.5	25	24.5	24	23	22.5	21	20	18	16	13			
CTG-47/7.5D	5.5	7.5	75	65		35.5	35	34.5	34.2	34	33.5	33	32.5	32	31.5	30	28	27	24	21	18		
CTG-47/10D	7.5	10	75	65		45				44	43.5	43.5	43	42.5	42.5	42	41.5	41	40.5	40	38	37	35
CTG-61/12.5D	9.3	12.5	75	65		53		52	51.5	51	50.5	50	49.5	49	48.5	48	47.5	47	45	44	42	25	
CTG-65/15D	11	15	75	65		55				53	52.5	52	51.5	51	50.5	50	49.5	49	48.5	48	47	45	15
CTG-47/20D	15	20	75	65		74.5			74	73.5	73	72.5	72	71.5	71	70.5	70	69	56	27			

PERFORMANCE CHART

2880 RPM, At Rated Voltage – Three Phase 380-415V, 50hz, A.C. Supply.

CENTRIFUGAL MONOBLOCK PUMPSET - JUMBO Series

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps Head in Metres	0	46.8	50.4	54.0	57.6	61.2	64.8	68.4	72.0	75.6	79.2	82.8	86.4	90.0	93.6	97.2	100.8	104.4	118.8
						0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	33.0
CTG-65/7.5D	5.5	7.5	100	75	Head in Metres	28	26	25.5	25	24.5	24	23.5	23	22.5	22	21.5	21	20	19	18	16	14		
CTG-68/10D	7.5	10	100	75	Head in Metres	41	34	33.5	33	32	31	30	29.5	28.5	28	27	26	25	24	23	22	20.5	19.5	15
CTG-86/12.5D-N	9.3	12.5	100	75	Head in Metres	39	36	36	35.5	35	35	34.5	34.5	34	33.5	33	32	31.5	31	30	23	20.5	20	

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps Head in Metres	0	12.6	18.0	19.8	21.6	23.4	25.2	27.0	28.8	30.6	32.4	34.2
						0	3.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
CTG-55/5-2#	3.7	5	75	65	Head in Metres	23	23	22	21.5	21	20.5	20	19.5	18	17	15.5	14

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps Head in Metres	0	7.1	17.5	21.1	26.7	28.4	29.8	30.1	30.5	31.3	31.7	32
						0	2	4.9	5.9	7.4	7.9	8.3	8.4	8.5	8.7	8.8	8.9
CTG-18/5-2#	3.7	5	65	50	Head in Metres	40	39	37	35	32	30	28	26	23	18	16	13

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps Head in Metres	0	12.6	18.0	19.8	21.6	23.4	25.2	27.0	28.8	30.6	32.4	34.2	36.0
						0	3.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
CTT-21/5N	3.7	5	65	50	Head in Metres	40	37	34.5	33.5	32	31	30	28	27	26	24	20	9

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps Head in Metres	0	28.8	30.6	32.4	34.2	36.0	37.8	39.6	43.2	46.8	50.4	54.0
						0	8.0	8.5	9.0	9.5	10.0	10.5	11.0	12.0	13.0	14.0	15.0
3EH2	2.2	3	75	65	Head in Metres	19		18.5	18	17.5	17	16.5	16	15.5	14	13	11.5
7.5HH3S	5.5	7.5	65	50	Head in Metres	54.5	53	52.5	52	51.6	51	50.5	50	48.5	46.5	45	

- Special Voltage Design Model.



PERFORMANCE CHART

2880 RPM, At Rated Voltage – Three Phase 380-415V, 50hz, A.C. Supply.

CENTRIFUGAL MONOBLOCK PUMPSET - JUMBO Series

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr	0	39.6	43.2	46.8	50.4	54.0	57.6	61.2	64.8	68.4	72	75.6	79.2	82.8	86.4	90	93.6	Star Rating
						0	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
10H4*	7.5	10	75	65	Head in Metres	41	40.5	40	39	38.5	38	31	20	15	11								
10H4-N2*	7.5	10	100	75	Head in Metres	45			40	39	38.5	37.5	37	35.5	34.5	32.5	24	21.5	19.5	18.5	18	18	3 Star

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr	0	30.6	32.4	34.2	36	37.8	39.6	43.2	46.8	50.4	Star Rating
						0	8.5	9	9.5	10	10.5	11	12	13	14	
5H1*	3.7	5	65	50	Head in Metres	31	30.5	30	29.5	29	28.5	28	27	25	24	2 star

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr	0	21.8	28.8	36.4	46.4	53.4	60.5	64.3	64.6	Star Rating
						0	6.1	8	10.1	12.9	14.8	16.8	17.9	18	
7.5H3-N1*	5.5	7.5	65	50	Head in Metres	48	46.6	43.9	39.3	34.5	29.5	24.5	19.5	14.5	2 star

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr	0	10.8	18.9	24.7	31	35.7	40	43.2	46.3	48.9	Star Rating
						0	3	5.3	6.9	8.6	9.9	11.1	12	12.9	13.6	
5H1-N2*	3.7	5	100	75	Head in Metres	37	36.2	34.3	32.2	28.7	26	23.1	20.3	17.4	14.6	2 star

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr	0	21.8	28.8	36.4	46.4	53.4	60.5	64.3	64.6	Star Rating
						0	6.1	8	10.1	12.9	14.8	16.8	17.9	18	
7.5H3-N2*	5.5	7.5	100	75	Head in Metres	38	36.8	36	34.9	33.4	31.4	28.4	23.7	20.3	2 star

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr	0	48.6	52.2	55.8	59.4	63.0	66.6	70.2	73.8	77.4	81.0	84.6	88.2	102.6	109.8
						0	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5	24.5	28.5	30.5
CFG-52/3D	2.2	3	100	100	Head in Metres	12	11.5	11.3	11.2	11.1	11	10.9	10.7	10.5	10.3	10	9.8	9.5	8.5	
CFG-79/5D	3.7	5	100	100	Head in Metres	15		14	13.8	13.5	13.3	13	12.7	12.4	12	11.8	11.5	11	9	8

* Marked pumpsets are having ISI licence.

PERFORMANCE CHART

1440 RPM, At Rated Voltage – Three Phase 380-415V, 50hz, A.C. Supply.

CENTRIFUGAL MONOBLOCK PUMPSET - JUMBO Series

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps Head in Metres	0	34.2	37.8	41.4	43.2	45.0	48.5	52.2	55.8	59.2	63.0	66.6	70.2	73.8	77.4
						0	9.5	10.5	11.5	12.0	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5
CFG-50/3D	2.2	3	75	65		14.5	14	13.8	13.5		13.2	13	12.8	12.5	12	11.5	11			
CFG-54/5D	3.7	5	75	65		19.5	19.2	19	18.5		18.3	18	17.5	17	16.5	16	15.5	15		
CFG-51/3D	2.2	3	100	75		14				13.5		13	12.5	12	11.5	11	10.5	10	9.5	9

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps Head in Metres	0	68.4	79.2	86.4	93.6	108.0	111.6	115.2	122.4	126.0	129.6	136.8	140.4
						0	19	22	24	26	30	31	32	34	35	36	38	39
CFG-79/7.5D	5.5	7.5	100	100		18	17.5	17	16.5	16	15	14.8	14.5	14	13.5	13	12.5	12

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps Head in Metres	0	72	100.8	108	115.2	122.4	129.6	136.8	144	158.4	165.6	172.8	176.4
						0	20	28	30	32	34	36	38	40	44	46	48	49
CFG-169/7.5D	5.5	7.5	150	150		11.4	11.2	11.1	11	10.9	10.7	10.6	10.4	10.2	10	9.8	8	7

Model	kW	HP	Inlet Size in mm	Outlet Size in mm	m ³ /hr lps Head in Metres	0	72.0	100.8	115.2	129.6	144.0	158.4	172.8	187.2	201.6	208.8	216.0	223.2
						0	20	28	32	36	40	44	48	52	56	58	60	62
CFG-172/10D	7.5	10	150	150		14.8	14.6	14.4	14.2	14	13.8	13.6	13.5	12.6	12.2	12	11.6	11.2

PUMPSET	
Part Name	Material
Motor frame	Cast Iron
Front / Back cover	Cast Iron
Rotor shaft	Mild Steel with SS 410 sleeve
Pump Casing	Cast Iron
Impeller	Cast Iron / Lead Bronze
Sealing	Graphite coated asbestos



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