



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.



150mm Borewell Submersible Pumpset - BINDA 6D Series

Motor: C.R.I. 150mm Borewell Submersible Pumpset are powered by water filled, rewindable submersible motor which is suitable for continuous duty. T-Bolt design in all motors ensures rigid construction.

Pump: C.R.I.'s new double depth BINDA 6D 150mm Borewell Submersible Pumps are specially designed for conditions where the ground water level is too deep. This series guarantees long life with energy-efficient performance. The built in check valve prevents back flow, and reduces the risk of water hammer.

SALIENT FEATURES

- Double working capacity when compared to other pump sets
- Corrosion resistant SS 304 stage casings and SS 410 impellers are used to increase the life of the Pumps
- Helps to lift water from higher depth with reduced number of stages
- Carbon Teflon pads are used to withstand the up thrust load
- Specially designed Thrust Bearings to withstand high axial thrust loads
- High operating efficiency and consistent performance ensures low operation cost
- Motor is designed with higher cooling effect by increasing the Housing Areas.

APPLICATION

- Agriculture • Sprinkler/Drip Irrigation • Domestic • Civil & Industrial water supply • Gardens & Mining • Fire fighting
- Pressure boosting

SPECIFICATIONS

BINDA 6D Series

Power range	2.2 kW - 37 kW (3 HP - 50 HP)
Speed	2850 RPM
Version	Single phase 220-240V; Three phase 380-415V, 50Hz AC Supply
Maximum total head	500 Metre
Maximum flow rate	20 LPS (72 m ³ /hr)
Maximum outer diameter	147 mm
Thrust load	3500 lbs - upto 4.5kW; 6000 lbs - 5.5kW to 18.5kW
Type of duty	S1 (Continuous)
Method of starting	Direct Online (D.O.L) / Star Delta (SD)
Nominal outlet size	50, 65, 80 & 100 mm

PERFORMANCE CHART

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

150mm BOREWELL SUBMERSIBLE PUMPSET - BINDA 6D Series

RADIAL FLOW

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	2	3	4	5	6	7	8	9	10
						0	0.55	0.83	1.11	1.39	1.67	1.94	2.22	2.50	2.77
WC6BI-06/5/10	3.7	5	10	50	Head in Metres	148	147	145	140	132	120	104	88	67	46
WC6BI-06/5/12 SPL	3.7	5	12	50		171	170	168	164	158	147	133	114	93	66
WC6BI-06/6/12	4.5	6	12	50		176	175	173	169	163	152	137	118	96	68
WC6BI-06/7.5/15*	5.5	7.5	15	50		222	220	218	211	200	181	160	136	102	72
WC6BI-06/7.5/20 SPL	5.5	7.5	20	50		286	280	275	269	256	240	217	185	147	109
WC6BI-06/10/20*	7.5	10	20	50		295	289	284	277	264	248	224	191	152	112
WC6BI-06/12.5/24	9.3	12.5	24	50		360	352	346	336	322	298	262	222	168	121

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	2	3	4	5	6	7	8	9	10	11	12	Star Rating
						0	0.55	0.83	1.11	1.39	1.67	1.94	2.22	2.50	2.77	3.05	3.33	
WC6BI-7B/3/05*	2.2	3	5	50	Head in Metres	76	75	74	73	72	70	66	60	53	43	31	20	
WC6BI-7B/5/08*	3.7	5	8	50		120	119	118	116	112	107	100	88	76	60	43	26	2 Star
WC6BI-7B/6/10*	4.5	6	10	50		150	148	146	143	138	131	121	108	99	72	51	28	2 Star
WC6BI-7B/7.5/12*	5.5	7.5	12	50		181	179	176	175	169	159	149	133	115	92	64	34	
WC6BI-7B/10/16*	7.5	10	16	50		242	240	238	232	225	214	200	178	152	120	82	45	
WC6BI-7B/12.5/20*	9.3	12.5	20	50		304	301	298	293	285	272	254	224	192	152	107	54	
WC6BI-7B/15/23*	11	15	23	50		347	344	340	334	325	312	290	258	218	175	121	62	
WC6BI-7B/17.5/30	13	17.5	30	50		447	432	424	413	396	376	346	312	264	210	152	74	

* 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.

150mm BOREWELL SUBMERSIBLE PUMPSET - BINDA 6D Series

RADIAL FLOW																		
Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	4	6	7	8	9	10	11	12	13	14	15	Star Rating
					lps	0	1.11	1.67	1.94	2.22	2.50	2.77	3.05	3.33	3.61	3.88	4.16	
WC6BI-09/3/04	2.2	3	4	50	Head in Metres	66	65	64	63	62	59	56	52	48	43	37	32	
WC6BI-09/5/06*	3.7	5	6	50		99	98	97	94	90	85	79	72	65	58	50	41	2 Star
WC6BI-09/6/08*	4.5	6	8	50		133	132	127	123	118	111	103	95	86	76	64	52	2 Star
WC6BI-09/7.5/10S	5.5	7.5	10	50		166	164	158	154	147	139	129	118	106	94	81	67	
WC6BI-09/7.5/10*	5.5	7.5	10	50		166	164	158	154	147	139	129	118	106	94	81	67	2 Star
WC6BI-09N/7.5/10*	5.5	7.5	10	50		166	164	158	154	147	139	129	118	106	94	81	67	3 Star
WC6BI-09/10/13S	7.5	10	13	50		216	215	209	203	195	184	171	158	143	127	109	88	2 Star
WC6BI-09/10/13*	7.5	10	13	50		216	215	209	203	195	184	171	158	143	127	109	88	
WC6BI-09/12.5/15*	9.3	12.5	15	50		252	251	244	238	229	217	202	187	171	153	132	111	
WC6BI-09/15/19*	11	15	19	50		312	309	301	293	282	266	247	227	204	180	153	124	
WC6BI-09/17.5/22*	13	17.5	22	50		368	367	357	348	335	319	298	274	247	218	187	154	
WC6BI-09/20/25*	15	20	25	50		410	402	387	374	357	336	313	287	259	229	196	161	
WC6BI-09/25/30*	18.5	25	30	50		500	493	477	463	446	424	399	370	336	298	211	209	

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	4	6	8	10	12	14	16	18	20	Star Rating
					lps	0	1.11	1.67	2.22	2.77	3.33	3.88	4.40	5.00	5.55	
WC6BI-10/3/03	2.2	3	3	65	Head in Metres	51	50	48	47	46	44	39	33	27	21	
WC6BI-10/5/05*	3.7	5	5	65		85	83	82	81	77	71	63	53	41	28	
WC6BI-10/5/5N*	3.7	5	5	65		85	83	82	81	77	71	63	53	41	28	3 Star
WC6BI-10N/5/05*	3.7	5	5	65		85	83	82	81	77	71	63	53	41	28	2 Star
WC6BI-10/6/06*	4.5	6	6	65		102	100	98	95	90	79	69	57	44	30	2 Star
WC6BI-10/7.5/08*	5.5	7.5	8	65		136	132	128	125	118	107	94	77	60	38	2 Star
WC6BI-10N/10/10*	7.5	10	10	65		169	164	162	155	144	130	112	94	72	49	
WC6BI-10/10/10*	7.5	10	10	65		169	164	162	155	144	130	112	94	72	49	
WC6BI-10/12.5/12*	9.3	12.5	12	65		206	200	195	192	182	167	144	120	96	61	2 Star
WC6BI-10/15/15*	11	15	15	65		253	246	243	236	223	198	174	144	110	68	2 Star
WC6BI-10/17.5/18*	13	17.5	18	65		310	300	292	282	267	240	214	180	138	92	
WC6BI-10/20/20*	15	20	20	65		342	332	326	316	300	265	230	192	152	100	

* 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.

150mm BOREWELL SUBMERSIBLE PUMPSET - BINDA 6D Series

																	RADIAL FLOW	
Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	6	8	10	12	14	16	18	20	22	24	26	Star Rating
					lps	0	1.67	2.22	2.77	3.33	DISCHARGE	DISCHARGE	5.00	5.55	6.11	6.66	7.22	
WC6BI-15/5/04*	3.7	5	4	65	Head in Metres	68	67	66	65	63	61	57	54	47	40	32	24	2 Star
WC6BI-15/6/05*	4.5	6	5	65		87	85	84	82	79	75	69	63	56	47	39	26	2 Star
WC6BI-15/7.5/06*	5.5	7.5	6	65		104	102	99	97	94	90	84	77	69	57	48	36	2 Star
WC6BI-15N/7.5/06*	5.5	7.5	6	65		104	102	99	97	94	90	84	77	69	57	48	36	3 Star
WC6BI-15/7.5/08 SPL	5.5	7.5	8	65		132	131	128	125	121	113	103	91	81	68	54	40	
WC6BI-15/10/08*	7.5	10	8	65		136	135	132	129	125	117	108	96	84	70	56	41	2 Star
WC6BI-15/12.5/10*	9.3	12.5	10	65		174	168	166	162	158	152	143	129	117	98	79	61	
WC6BI-15/15/12*	11	15	12	65		206	200	198	192	186	177	165	149	132	109	89	62	2 Star
WC6BI-15/17.5/14*	13	17.5	14	65		238	232	228	221	213	203	189	170	148	122	97	72	
WC6BI-15N/20/16	15	20	16	65		275	272	269	262	252	234	216	194	174	145	115	84	
WC6BI-15/20/16	15	20	16	65		275	272	269	262	252	234	216	194	174	145	115	84	
WC6BI-15/25/20*	18.5	25	20	65		350	339	333	326	317	304	286	261	235	198	162	126	
WC6BI-15/30/24	22	30	24	65	401	391	384	375	365	354	337	302	264	222	173	110		

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	10	12	16	18	20	22	24	26	28	30	32	Star Rating
					lps	0	2.77	3.33	4.40	5.00	DISCHARGE	DISCHARGE	6.66	7.22	7.77	8.33	8.88	
WC6BI-20N/5/03*	3.7	5	3	65	Head in Metres	48	47	46	43	41	39	37	33	29	24	20	16	3 Star
WC6BI-20/6/04*	4.5	6	4	65		64	63	61	58	56	52	48	44	39	34	28	21	2 Star
WC6BI-20/7.5/05*	5.5	7.5	5	65		80	79	78	73	69	65	60	56	50	42	38	25	
WC6BI-20N/7.5/05*	5.5	7.5	5	65		80	79	78	73	69	65	60	56	50	42	38	25	3 Star
WC6BI-20/12.5/08*	9.3	12.5	8	65		129	126	124	118	112	105	98	90	80	69	58	44	
WC6BI-20/15/10*	11	15	10	65		161	156	153	144	138	130	121	111	98	84	71	54	2 Star
WC6BI-20/17.5/12	13	17.5	12	65		193	188	184	174	167	160	148	136	120	104	88	68	
WC6BI-20/20/13*	15	20	13	65		210	209	206	194	185	174	162	148	133	116	96	73	
WC6BI-20/25/17*	18.5	25	17	65		277	268	264	250	240	226	211	194	173	149	124	92	
WC6BI-20/30/20	22	30	20	65		323	319	315	306	299	285	267	250	224	196	169	138	

* 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.

150mm BOREWELL SUBMERSIBLE PUMPSET - BINDA 6D Series

RADIAL FLOW																	Star Rating	
Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	16	18	20	22	25	28	30	32	34	36		38
					lps	0	4.40	5.00	5.55	6.11	6.94	7.77	8.33	8.88	9.44	10.00		10.50
WC6BI-25/6/03	4.5	6	3	65	Head in Metres	48	46	45	44	42	40	35	32	28	24	20	16	2 Star
WC6BI-25/7.5/04*	5.5	7.5	4	65		64	62	61	59	57	53	48	44	39	34	28	21	
WC6BI-25/10/05	7.5	10	5	65		82	77	76	74	72	68	61	56	51	44	36	28	
WC6BI-25/15/08*	11	15	8	65		132	129	127	123	120	112	103	96	86	76	64	52	
WC6BI-25/20/10	15	20	10	65		164	157	153	148	143	135	124	116	104	92	80	62	

MIXED FLOW																			
Model	kW	HP	Stage	Outlet Size in mm	m³/hr	0	15	20	25	30	35	40	45	50	55	60	65	70	72
					DISCHARGE	lps	0	4.16	5.56	6.94	8.33	9.72	11.11	12.5	13.89	15.28	16.67	18.06	19.44
WA6BM-48/6/04 SPL	4.5	6	4	80	Head in Metres	50	44	42	40	38	36	33	31	29	26	24	20	17	15
WC6BM-48/7.5/4	5.5	7.5	4	80		52	45	43	41	39	37	34	32	30	27	25	21	18	16
WC6BM-48/15/8*	11	15	8	80		102	90	87	82	78	74	69	64	60	55	49	43	36	32
WC6BM-48/20/10*	15	20	10	80		125	111	106	101	96	91	86	81	75	69	62	54	45	41
WC6BM-48/25/12*	18.5	25	12	80		153	137	132	126	120	113	106	99	92	84	75	65	55	51

Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	21.6	25.2	28.8	32.4	34.2	36	37.8	39.6	43.2	46.8	50.4
					lps	0	6	7	8	9	9.5	10	10.5	11	12	13	14
WA6BM-48/6/4 LV SPL	4.5	6	4	80/100	Head in Metres	46	38	36	35	32	31	30	29.5	29	28	26.5	25
WA6BM-48/7.5/5 SPL	5.5	7.5	5	80		55	50	48	46	43	40	38	37	36	32	29	25

Note : LV design also available (200-360V)

PERFORMANCE CHART

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

150mm BOREWELL SUBMERSIBLE PUMPSET - BINDA 6D Series

																			MIXED FLOW	
Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr	0	15	20	25	30	35	40	45	50	55	60	65	70	72	Star Rating
						0	4.16	5.56	6.94	8.33	9.72	11.11	12.5	13.89	15.28	16.67	18.06	19.44	20	
SM63N/5/04 SPL	3.7	5	4	80	Head in Metres	53	47	45	42	40	37	34	32	31	29	27	24	20	18	
SM63N/6/03	4.5	6	3	80		39	34	33	31	29	28	26	24	22	20	18	16	14	13	
SM63N/7.5/04C	5.5	7.5	4	80		49	43	41	39	37	35	32	30	28	25	23	19	16	14	
SM63N/7.5/04*	5.5	7.5	4	80		53	47	45	42	40	37	34	32	31	29	27	24	20	18	3 Star
SM63N/7.5/4WV	5.5	7.5	4	80		53	47	45	42	40	37	34	32	31	29	27	24	20	18	
SM63N/10/05R	7.5	10	5	80		65	57	55	52	49	46	43	40	38	35	32	28	23	21	
SM63N/10/06 SPL	7.5	10	6	80/100		74	65	64	61	58	54	51	47	44	40	35	30	25	23	
SM63N/12.5/06R	9.3	12.5	6	80		75	66	64	61	58	54	51	47	44	40	36	30	26	24	
SM63N/12.5/6*	9.3	12.5	6	80		77	68	66	63	60	56	53	49	46	42	37	32	27	25	
SM63N/15/07	11	15	7	80		89	79	76	72	68	64	60	56	52	48	43	38	32	30	
SM63N/15/08R	11	15	8	80		99	87	84	80	76	72	67	62	58	53	48	42	35	31	
SM63N/15/08*	11	15	8	80		102	90	87	82	78	74	69	64	60	55	49	43	36	32	
SM63N/17.5/09	13	17.5	9	80		111	100	96	92	87	82	77	72	67	61	55	48	40	37	
SM63N/20/10R	15	20	10	80		121	108	103	98	93	88	83	79	73	67	60	52	44	40	
SM63N/20/10*	15	20	10	80		125	111	106	101	96	91	86	81	75	69	62	54	45	41	
SM63N/25/12R	18.5	25	12	80		148	133	128	122	116	110	103	96	89	81	73	63	53	49	
SM63N/25/12*	18.5	25	12	80		153	137	132	126	120	113	106	99	92	84	75	65	55	51	
SM63N/30/14	22	30	14	80		175	158	152	145	138	130	122	114	106	97	87	77	66	62	
SM63N/30/15*	22	30	15	80		187	170	163	156	149	141	134	125	116	107	97	86	75	70	
SM63N/35/17	26	35	17	80		212	193	185	177	169	160	152	142	131	121	110	97	85	79	
SM63N/40/20	30	40	20	80		249	227	217	208	199	188	179	167	155	143	129	115	100	93	
SM63N/50/25	37	50	25	80		312	283	272	260	248	235	223	208	193	178	162	143	125	117	

* Marked pumpsets are having ISI licence. WV - Wide Voltage. 30HP and above ranges will be supplied against order only.



PERFORMANCE CHART

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

150mm BOREWELL SUBMERSIBLE PUMPSET - BINDA 6D Series

																			MIXED FLOW
Model	kW	HP	Stage	Outlet Size in mm	m ³ /hr lps	0	32.4	34.2	36	37.8	39.6	43.2	46.8	50.4	54	57.6	61.2	64.8	68.4
						0	9	9.5	10	10.5	11	12	13	14	15	16	17	18	19
SM64/10/04	7.5	10	4	80	Head in Metres	50	39	39	38	37	36	34	32	30	27	24	21	17	13
SM64/12.5/05	9.3	12.5	5	80		62	50	49	48	47	46	44	41	39	35	32	27	23	18
SM64/15/06R	11	15	6	80		75	58	57	56	55	53	51	49	46	42	38	34	28	22
SM64/17.5/07R	13	17.5	7	80		86	69	68	66	65	64	60	57	52	49	44	38	31	27
SM64/20/08R	15	20	8	80		102	79	77	76	74	73	69	65	60	55	49	44	37	29
SM64/20/09	15	20	9	80		110	87	86	84	82	80	76	70	65	59	52	46	39	31
SM64/25/10R	18.5	25	10	80		128	98	95	93	92	90	87	81	76	71	64	56	49	39
SM64/30/12	22	30	12	80		158	121	118	115	114	112	107	101	94	88	79	70	60	48
SM64/35/14	26	35	14	80		185	141	137	134	133	130	125	118	109	102	92	81	70	56
SM64/40/16	30	40	16	80		211	162	157	154	152	149	142	134	125	117	106	93	80	64
SM64/50/20	37	50	20	80		264	202	196	192	190	186	178	168	156	146	132	116	100	80

MATERIAL OF CONSTRUCTION - MOTOR

Part Name	Materials
Upper & Lower Housing	Cast Iron
Stator Shell	SS 304
Shaft	SS 410
Journal Bushes	LTB - 4 & Carbon
Thrust Pad	SS 420 & Graphite carbon
Diaphragm	High Nitrile butyl rubber

MATERIAL OF CONSTRUCTION - PUMP

Part Name	Materials
Suction Housing	Cast Iron with SS 304 / SS 304 Top Plate
Brackets	Cast iron
Pump Shaft	SS 410
Impeller	SS 410
Counter thrust pad	Carbon Teflon bush
Stage Casing/Diffuser	SS 304 & SS 410 / Noryl
Coupling	SS 410

* Marked pumpsets are having ISI licence. 30HP and above ranges will be supplied against order only.

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