

SELF PRIMING CENTRIFUGAL PUMPS

SMBC, SPC & SPE SERIES



C.R.I. "SMBC, SPC, SPE Series" Self – priming non-Clog Monoblock pump's volute chamber and impellers are designed to give the best possible hydraulic efficiency and suction lift characteristics. These pumps are powered by a totally enclosed fan cooled A.C. induction motor. Motor stator is made of low watt loss silicon steel laminations assembled under pressure and rigidly locked in the frame. Construction of motor frames and usage of quality materials result in high performance and low temperature rise thereby increasing the life cycle of the motor.

APPLICATIONS

Public utilities | Mobile Machinery | Industry | Civil engineering |
Naval duty | Waste treatment | Construction industry |
Agriculture | STP | ETP

MATERIAL OF CONSTRUCTION

Casing	C.I / SS 304 / SS 316 / G.M
Impeller	C.I / SS 304 / SS 316 / G.M
Shaft	EN8 / SS 304 / SS 316 / SS 410
Sleeve	SS 410 / SS 304 / SS 316
Seal	Gland / Mechanical Seal / PTFE

SPECIAL FEATURES

Automatic air release during priming.
Back pull out design.
Dynamically balanced rotating parts ensure less vibrations.
Better efficiency because of good hydraulic design.
Available in Bare, Coupled, Monoblock, Belt driven & Engine driven version.
Also offered pump with trolley / trailer to move it from one place to another.
Pumps fitted with mechanical seal.
High resistance to abrasive liquids the wear plate is easily replaced and impeller are also available with ceramic coating

SPECIFICATION

Power range	: 0.75 kW - 45 kW
Max. total Head	: upto 34 mtr
Max. total flow	: upto 637 m ³ /hr
Speed	: 2880/1440 rpm



C.R.I. PUMPS
Pumping trust. Worldwide.



SMBC SERIES

MONOBLOCK & MOTOR COUPLED																					
MODEL	MOTOR KW/ HP	PIPE SIZE IN MM Suc. x Del.	SPEED IN R.P.M.	TOTAL HEAD IN METERS																Solid Handling Size (MM)	
				10	12	14	15	16	18	19	20	22	24	25	26	28	30	32	34		
				DISCHARGE LITERS PER SECOND																	
SMBC-0	0.75	1	40X40	2850	3.5	2.6	1.4	0.5	-	-	-	-	-	-	-	-	-	-	-	7	
SMBC-1	1.5	2	40X40	2850	6.2	5.5	4.8	4.3	3.9	2.7	1.8	0.8	-	-	-	-	-	-	-	8.5	
SMBC-2	2.2	3	50X50	2900	9.2	8.4	8	7.7	7.2	6.4	5.9	5.3	4	2.5	1.4	-	-	-	-	10.5	
SMBC-3A	3.7	5	80X80	2900	-	-	-	-	-	-	-	10	9.2	8.1	7.4	6.7	5.1	3.7	1.8	7	
SMBC-3	5.5	7.5	80X80	2900	-	-	-	-	-	-	-	16.3	16.1	15.4	14.7	13.9	12.4	10.1	7.9	5.4	14.5
SMBC-3L	3.7	5	80X80	1450	18	16.3	13.5	11.5	10	5.5	-	-	-	-	-	-	-	-	-	15.5	
SMBC-4LA	7.5	10	100X100	1450	36	33.8	31.1	29.9	28.4	23.8	22.4	17.9	11.9	-	-	-	-	-	-	18.5	
SMBC-4L	9.30	12.5	100X100	1450	41	39.4	36.5	35.2	33.5	30.4	28.2	26.1	21.9	16.9	14	10	-	-	-	23	
SMBC-6LA	15	20	150X150	1450	66	63.3	59.7	57.4	54.9	48.7	45.4	42.4	34.1	23.7	-	-	-	-	-	34	
SMBC-6L	18.7	25	150X150	1450	75	72.4	68.6	66.1	63.9	58.4	54.9	51.9	44.9	33.9	27.4	20	-	-	-	40	
SMBC-8LA	45	60	200X200	1450	-	-	177	170	168	160	153	149	130	104	80	55	-	-	-	50	

SPC SERIES

PUMP END																					
MODEL	MOTOR KW/ HP	PIPE SIZE IN MM Suc. x Del.	SPEED IN R.P.M.	TOTAL HEAD IN METERS																Solid Handling Size (MM)	
				10	12	14	15	16	18	19	20	22	24	25	26	28	30	32	34		
				DISCHARGE LITERS PER SECOND																	
SPC-0	0.75	1	40X40	2850	3.5	2.6	1.4	0.5	-	-	-	-	-	-	-	-	-	-	-	7	
SPC-1	1.5	2	40X40	2850	6.2	5.5	4.8	4.3	3.9	2.7	1.8	0.8	-	-	-	-	-	-	-	8.5	
SPC-2	2.2	3	50X50	2900	9.2	8.4	8	7.7	7.2	6.4	5.9	5.3	4	2.5	1.4	-	-	-	-	10.5	
SPC-3A	3.7	5	80X80	2900	-	-	-	-	-	-	-	10	9.2	8.1	7.4	6.7	5.1	3.7	1.8	7	
SPC-3	5.5	7.5	80X80	2900	-	-	-	-	-	-	-	16.3	16.1	15.4	14.7	13.9	12.4	10.1	7.9	5.4	14.5
SPC-3L	3.7	5	80X80	1450	18	16.3	13.5	11.5	10	5.5	-	-	-	-	-	-	-	-	-	15.5	
SPC-4LA	7.5	10	100X100	1450	36	33.8	31.1	29.9	28.4	23.8	22.4	17.9	11.9	-	-	-	-	-	-	18.5	
SPC-4L	9.30	12.5	100X100	1450	41	39.4	36.5	35.2	33.5	30.4	28.2	26.1	21.9	16.9	14	10	-	-	-	23	
SPC-6LA	15	20	150X150	1450	66	63.3	59.7	57.4	54.9	48.7	45.4	42.4	34.1	23.7	-	-	-	-	-	34	
SPC-6L	18.7	25	150X150	1450	75	72.4	68.6	66.1	63.9	58.4	54.9	51.9	44.9	33.9	27.4	20	-	-	-	40	
SPC-8LA	45	60	200X200	1450	-	-	177	170	168	160	153	149	130	104	80	55	-	-	-	50	

SPE SERIES

ENGINE COUPLED																				
MODEL	MOTOR		PIPE SIZE IN MM Suc. x Del.	SPEED IN		TOTAL HEAD IN METERS														Solid Handling Size (MM)
				R.P.M.	10	12	14	15	16	18	19	20	22	24	25	26	28			
	DISCHARGE LITERS PER SECOND																			
SPE-3L	4	6	80X80	1500	-	17.7	15	13.5	11.9	8.1	5.4	3.1	-	-	-	-	-	-	-	15.5
SPE-3L	9	12	80X80	1800	-	-	-	22	21.5	20.1	19.3	18.4	16.1	13.2	11.5	9.5	5.4	-	-	15.5
SPE-4LA	9	12	100X100	1500	-	36.3	33.2	32	30.6	27.7	26.1	24.4	20.9	16.6	14	10.9	-	-	-	18.5
SPE-4L	10.5	14	100X100	1500	-	39.8	38.4	37.5	35.5	33.4	31.8	30	25.8	21	17.9	15.4	9.2	-	-	23
SPE-6LA	16.5	22	150X150	1500	68	65.6	62.5	61.5	58.6	53	51.1	47.4	40.4	32.2	27.8	22	-	-	-	34
SPE-6L	19.5	26	150X150	1500	77	73.8	71.4	70.2	67.5	62.2	61.4	56.3	50.1	41.4	37.7	31.4	-	-	-	40

Performance are at 2900 / 1450 rpm, 50 / 60 Hz and tested with clear Water - Due to Constant R & D activity, details are subject to change without prior Notice.

Note: Special Pumps for Higher Capacity and Head available on request.

C.R.I. Pumps Private Limited

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Authorised Dealer :