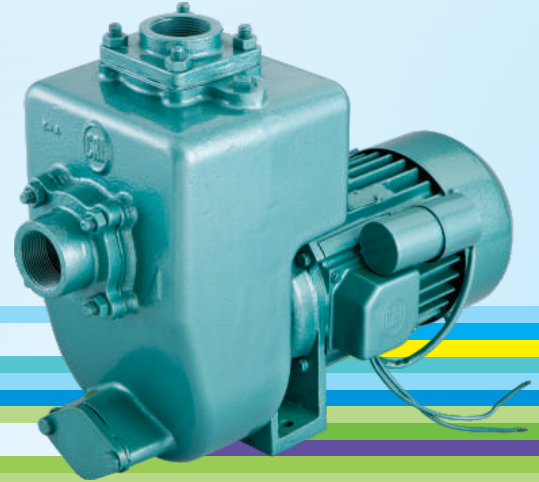


# SELF-PRIMING NON-CLOG MONOBLOCK SMB SERIES

(Single stage, Horizontal, Centrifugal, Self-priming, Monobloc Pump)

C.R.I. "SMB 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.



## FEATURES

- ◆ Quick automatic Self-priming function - no need for footvalve
- ◆ Back-pull out type for easy maintenance
- ◆ Dynamically balanced rotating parts
- ◆ Withstand wide voltage fluctuations.

## APPLICATIONS

- ◆ Pumping of Domestic Sewage (Polluted water, Effluent, Storm water)
- ◆ Industrial Waste Water (Effluent, Sewage, ash-water etc)
- ◆ Water from Marine (Docks, Ports and Vessels)
- ◆ Dewatering from Construction (Foundation, Trenches and Pits)

## MATERIALS OF CONSTRUCTION

Part Name	Material
Motor Body (Motor Frame)	Cast-Iron
Pump Casing	Cast-Iron
Impeller& wear plate	Cast-Iron / S.S
Shaft	S.S
Shaft sleeve	Bronze
Mechanical seal	Ceramic with carbon

## TECHNICAL DATA

The SMB Series pumps are non-clog, self-priming, and horizontal centrifugal pump with mechanical shaft seal (1HP) and stuffing box type (2HP, 3HP & 5HP).

## SPECIFICATIONS

Phase	Single Phase - 2 Pole - Incorporated with thermal cutout relay
Speed	T/SMB & SMB 140, 240 & 350 : 2880 rpm T/SMB 580 : 1440 rpm
Versions	A.C, 50Hz, Single/Three Phase 200-240V Permanent Split Capacitor (CSR)
Degree of protection	IP 44
Insulation Class	B
Direction of Rotation	T/SMB 140/240/350 - Clockwise viewed from driving end T/SMB 580 - Anti Clockwise viewed from driving end
Type of Duty	S1 (Continuous)
Sealing	SMB 140 Mechanical seal arrangement T/SMB 240,350 & 580 : Stuffing box arrangement
Enclosure	TEFC

## PERFORMANCE TABLE

Approximate Performance Data at 50 Hz, Single-Phase 220/240 Volts (or) Three Phase 380/415 Volts, AC Supply

HP / kW	PUMP MODEL	rpm	PIPE SIZE IN mm (SUC. X DEL.)	TOTAL HEAD IN METRES / FEET										SOLID HANDLING SIZE IN mm
				6	8	10	12	14	16	18	20	22	24	
				19.5	26	33	39	46	52.5	59	65.5	72	78	
1.0 / 0.75	SMB-140	2880	40 x 40	270	240	198	144	96						7.0
1.0 / 0.75	T/SMB-140													
2.0 / 1.5	SMB-240	2880	40 x 40			336	300	246	180	84				8.5
2.0 / 1.5	T/SMB-240													
3.0 / 2.2	T/SMB-350	2880	50 x 50			510	480	444	390	324	252	168	60	10.5
5.0 / 3.7	T/SMB-580													
		1440	80 x 80			1050	930	750	480	204				15.5

NOTE : Performance applicable to liquid of specific gravity 1.02 and viscosity as of water.

