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**VEMC**

VIJAY ENGINEERING AND MACHINERY CO.

**100** 1920  
2020

KIRLOSKAR BROTHERS LTD.



Enriching Lives



**KSMB**  
STAINLESS STEEL  
MONOBLOC PUMPSETS



**KIRLOSKAR BROTHERS LIMITED**

A Kirloskar Group Company

Established 1888

## KSMB

### STAINLESS STEEL MONOBLOC PUMPSETS

#### TECHNICAL SPECIFICATION

Head Range	: Upto 50 metres
Discharge Range	: Upto 17.8 lps
Power Ratings	: 0.75 to 7.5 kW (1 to 10 HP)
Voltage Range	: 350 to 440 Volts (Three Phase)
Insulation	: F Class
Protection	: IP 44 / IP 55
pH Value	: 5 to 9
Liquid Temperature Range	: -10°C to 85°C (upto 3 HP)
Maximum Ambient Temperature	: -20°C to 100°C (5 HP and above)
	: 40°C

#### MATERIAL OF CONSTRUCTION

Impeller	: Stainless Steel
Delivery Casing	: Stainless Steel
Motor Body	: Cast Iron
Pump Shaft	: Stainless Steel
Mechanical Seal	: Carbon vs Ceramic (upto 3 HP) Carbon vs Silicon Carbide (5 HP and above)
Guarding Plate	: Stainless Steel
Rubber Parts	: NBR

#### APPLICATIONS

- Pharmaceutical industries
- Food processing
- Demineralising plant
- Air conditioning and refrigeration systems
- Dairy and beverages

#### FEATURES

##### Stainless Steel – Wetted Components

All wetted components are made of Stainless Steel which made it suitable for handling various liquids.

##### Mechanical Seal

Superior quality of mechanical seal ensures zero leakage, lower friction loss, protects from wearing of shaft, thus resulting in easy maintenance and longer life.

##### High Efficiency And Energy Saving Design

Innovative design manufactured at state of art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

##### Superior Hydraulics

Superior hydraulics due to advanced manufacturing processes provides efficiency at par with international standard.

##### Dynamically Balanced Rotating Parts

Minimum vibrations protect components from damages during the operations, thus ensuring consistent performance as concentricity is maintained.

##### Lightweight And Compact Design

Constructed with special grade engineering materials, the pumps sports a compact design for ease of handling and installation.

##### Easy Maintainable Designs

Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.

##### Designed to Prevent Overloading

Lesser chances of motor burning as the motor does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost savings due to low maintenance and breakdown.

PERFORMANCE CHART FOR 'KSMB' SERIES, SS MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY

S. No.	Pump Model	Power Rating		Pump Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES										
		kW	HP	SUC.	DEL.		10	12	14	16	18	20	22	24	26	28	30
							DISCHARGE IN LITRES PER SECOND										
1	KSMB 129	0.75	1.0	40	25	415	-	-	2.5	2.4	2.3	2.1	1.8	1.5	1.3	0.6	-
2	KSMB 116	0.75	1.0	40	32	415	4.2	3.3	2.1	0.5	-	-	-	-	-	-	-
3	KSMB 1.516	1.1	1.5	50	32	415	-	5.6	4.8	3.6	-	-	-	-	-	-	-
4	KSMB 220	1.5	2.0	50	32	415	-	-	6.2	5.6	4.8	3.8	1.2	-	-	-	-
5	KSMB 324	2.2	3.0	50	32	415	-	-	-	5.5	4.7	3.9	2.8	0.7	-	-	-
6	KSMB 328	2.2	3.0	40	32	415	-	-	6.9	6.3	5.8	5.2	4.4	3.4	2.2	0.5	-
7	KSMB 532+	3.7	5.0	65	40	415	-	-	13.9	13.2	12.3	11.3	10.2	8.9	7.4	5.0	-
							28	30	32	34	36	38	40	42	44	46	50
8	KSMB 548+	3.7	5.0	50	32	415	6.8	6.2	5.5	4.8	4.0	3.2	2.3	-	-	-	-
9	KSMB 834+	5.5	7.5	65	40	415	9.5	7.9	6.3	4.7	2.5	-	-	-	-	-	-
10	KSMB 1051+	7.5	10	65	40	415	-	-	-	-	-	17.8	17.0	15.6	13.5	10.9	4.0

## VIJAY ENGINEERING AND MACHINERY COMPANY

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