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KIRLOSKAR BROTHERS LTD.

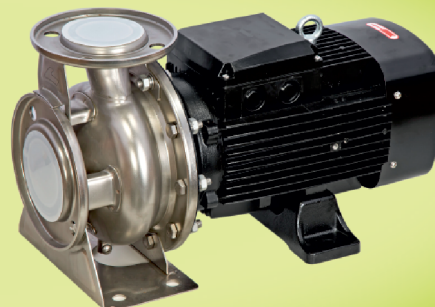


Enriching Lives



## KSMB

SS - Monobloc Pumpsets



# KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

## KSMB

### SS - Monobloc Pumpsets

#### TECHNICAL SPECIFICATION

|                          |  |
|--------------------------|--|
| Head Range               | : Upto 50 meters   |
| Discharge Range          | : Upto 17.8 lps  |
| Power Ratings            | : 0.75 to 7.5 kW<br>(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)<br>-20°C to 100°C (5 HP and above) |
| Maximum Ambient          | : 40°C Temperature   |

#### 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)<br>Carbon vs Silicon- Carbide (above 5 HP) |
| Guarding Plate  | : Stainless Steel  |
| Rubber parts    | : NBR  |

#### APPLICATIONS

- Pharmaceutical Industries
- Food Processing
- Demineralising plant
- Air conditioning and refrigeration system
- Dairy and beverages

#### FEATURES

##### Stainless Steel – Wetted components

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

##### Mechanical Seal

Superior quality of mechanical seal ensures zero leakage, lower friction loss, protect wearing of shaft resulting 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, consistent performance as concentricity is maintained.

##### Lightweight and Compact design

Constructed with special grade engineering materials, compact designs 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.

##### Design to Prevent Overloading

Lesser chances of motor burning as motor did not get overloaded even if the pump is operated at a head lower than recommended and saving substantial cost from 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 METERS           |     |      |      |      |      |      |      |      |      |     |
|--------|------------|--------------|-----|----------------|----|-----------------------|--------------------------------|-----|------|------|------|------|------|------|------|------|-----|
|        |            |              |     |                |    |                       | 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+  | 4.0          | 5.5 | 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+  | 4.0          | 5.5 | 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 |

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Service Toll-Free No.

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