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1920
2020

KIRLOSKAR BROTHERS LTD.



Enriching Lives



KS

THREE PHASE
MONOBLOC PUMPS



KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

KIRLOSKAR PUMPS

TECHNICAL SPECIFICATION

| | | |
|-----------------|---|-----------------------------------|
| Head Range | : | Upto 22 metres |
| Discharge Range | : | Upto 72.5 lps |
| Power Ratings | : | 2.2 to 7.5 kW (3 to 10 HP) |
| Voltage Range | : | 300 to 440 Volts (Three Phase) |
| Insulation | : | B / F Class |
| Protection | : | IP 44 / IP 55 |

MATERIAL OF CONSTRUCTION

| | | |
|-----------------|---|--------------|
| Impeller | : | Cast Iron |
| Delivery Casing | : | Cast Iron |
| Motor Body | : | Cast Iron |
| Shaft | : | Carbon Steel |
| Sealing | : | Gland Packed |

APPLICATIONS

- Cooling towers
- Irrigation in horticulture & agriculture
- Swimming pool application
- Water transfer and circulation
- Air conditioning and refrigeration systems

FEATURES

Flatter Efficiency Curve

Minimum variations in efficiency during entire operating range increases the utility of pumpset for variable conditions.

Wide Voltage Design

The motor is designed to withstand wide voltage fluctuations from 350 to 440 volts and reduces motor burning in case of low voltage.

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.

Replaceable Wearing Parts

All wearing parts within the pumps are easily accessible and replaceable which facilitates ease of maintenance thereby extending the life of the pump.

Dynamically Balanced Rotating Parts

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

CED – Cathodic Electro Deposition

CED is the latest coating technology for corrosion resistance with uniform coating. It provides 5 times more protection over conventional painting, resulting in longer life. All major CI parts of Kirloskar pumps coming in contact with the water are CED coated.

Automatic Air Release

Automatically releases air when the pump starts which ensures swifter and smoother operations, thus eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

PERFORMANCE CHART FOR 'KS+' SERIES, 4 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY

| S. No. | Pump Model | Power Rating | | Pipe Size (mm) | | Rated Voltage (Volts) | Rated Speed (RPM) | TOTAL HEAD IN METRES | | | | | | | | | |
|--------|------------|--------------|-----|----------------|------|-----------------------|-------------------|--------------------------------|------|------|------|------|------|------|------|------|------|
| | | kW | HP | SUC. | DEL. | | | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 |
| | | | | | | | | DISCHARGE IN LITRES PER SECOND | | | | | | | | | |
| 1 | KS-316+* | 2.2 | 3 | 65 | 50 | 415 | 1400 | - | - | - | - | 13.4 | 11.6 | 9.3 | - | - | - |
| 2 | KS-513+* | 3.7 | 5 | 100 | 100 | 415 | 1420 | - | 34.0 | 30.9 | 27.0 | 22.0 | - | - | - | - | - |
| 3 | KS-516+* | 3.7 | 5 | 80 | 65 | 415 | 1420 | - | - | - | - | 23.7 | 20.8 | 17.5 | 13.2 | - | - |
| 4 | KS-810+ | 5.5 | 7.5 | 150 | 150 | 400 | 1420 | 66.0 | 63.5 | 55.0 | 43.5 | - | - | - | - | - | - |
| 5 | KS-817+* | 5.5 | 7.5 | 100 | 100 | 400 | 1420 | - | - | - | 34.4 | 31.8 | 29.0 | 25.3 | 19.2 | - | - |
| 6 | KS-823+* | 5.5 | 7.5 | 100 | 80 | 400 | 1420 | - | - | - | - | - | 27.3 | 25.0 | 22.2 | 18.8 | 14.5 |
| 7 | KS-1012+ | 7.5 | 10 | 150 | 150 | 400 | 1420 | - | 72.5 | 67.0 | 59.5 | 49.5 | 30.0 | - | - | - | - |
| 8 | KS-1022+* | 7.5 | 10 | 100 | 100 | 400 | 1430 | - | - | - | - | - | 36.0 | 33.0 | 29.0 | 24.2 | 17.5 |

Note: * Marked pumps are ISI certified.

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Service Toll-Free No.

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