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2020

KIRLOSKAR BROTHERS LTD.



Enriching Lives



KP3S

OIL FILLED
3" BOREWELL
SUBMERSIBLE PUMPS



KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

KIRLOSKAR PUMPS

TECHNICAL SPECIFICATION

Head Range	: Upto 87 metres
Discharge Range	: Upto 96 LPM/ 5.8 m ³ / h
Power Ratings	: 0.37 to 1.1 kW (0.5 to 1.5 HP)
Voltage Range	: 160 to 240 Volts (Single Phase)
Type of Cooling	: Oil cooled
Insulation	: F Class
Protection	: IP 68

MATERIAL OF CONSTRUCTION

Pump Housing	: Stainless Steel
Pump Shaft	: Stainless Steel
Motor Housing	: Stainless Steel
Motor Shaft	: Stainless Steel
Pump Bushes	: Gun Metal
Impeller	: Noryl
Diffuser	: Noryl
NRV	: Cast Iron
Suction	: Cast Iron
Bearing type	: Ball bearing

APPLICATIONS

- Domestic and community water supply.
- Water supplies for high rise building.
- Gardening and small farm irrigation.
- Construction site.
- Ground Water supply to water works.

FEATURES

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.

Wide Voltage Design

The motor is designed to withstand wide voltage fluctuations from 160 to 240 volts and reduces motor burning in low voltage.

Dynamically Balanced Rotating Parts

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

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.

Lightweight and Compact Design

Constructed with special grade engineering materials, compact designs for ease of handling and installation.

Splined Shaft

Splined shaft made from cold extrusion technology with high surface strength provides better life and good axiality.

Flatter Efficiency Curve

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

Suitable for Horizontal Applications

Motor with ball bearings are suitable for horizontal installation for water transfer at high heads in residential complexes.

PERFORMANCE CHART FOR 75 MM (3") BOREWELL SUBMERSIBLE PUMPSETS - KP3S SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE, 50 Hz FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	20	30	50	60	70	90	96
		kW	HP				m ³ /h	0	1.2	1.8	3.0	3.6	4.2	5.4	5.8
1	KP3S-0610	0.37	0.50	10	32	4.4	Head in Meters	28	27	24	19	17	15	7	4
2	KP3S-0612	0.75	1.00	12	32	7.8		34	33	29	23	20	18	9	5
3	KP3S-0615	0.55	0.75	15	32	6.0		43	41	36	29	25	22	11	6
4	KP3S-0615	0.75	1.00	15	32	7.8		43	41	36	29	25	22	11	6
5	KP3S-0620	0.75	1.00	20	32	7.8		57	55	48	38	33	29	15	8
6	KP3S-0626	0.93	1.25	26	32	9.8		74	71	62	50	43	38	19	11
7	KP3S-0632	1.10	1.50	32	32	11.7		91	87	76	62	53	47	23	14

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