

**100** 1920  
2020

KIRLOSKAR BROTHERS LTD.



Enriching Lives



**KJ**  
JET PUMPS



**KIRLOSKAR BROTHERS LIMITED**

A Kirloskar Group Company

Established 1888

# KIRLOSKAR PUMPS

## TECHNICAL SPECIFICATION

Depth to Low Water Level	: Upto 48 metres
Capacity	: Upto 3600 LPH
Power Rating	: 0.37 to 1.1 kW (0.5 to 1.5 HP)
Voltage Range	: 180 to 240 Volts (Single Phase)
Insulation	: B Class
Protection	: IP 44
Well Size	: 50 mm to 115 mm

## MATERIAL OF CONSTRUCTION

Impeller	: Cast Iron
Delivery Casing	: Cast Iron
Motor Body	: Cast Iron
Pump Shaft	: Carbon Steel
Jet Unit	: Bronze

## APPLICATIONS

- Domestic water supply
- Water supply to overhead tanks in bungalows
- Construction site
- Gardens/ Fountains
- Lawn sprinklers

## FEATURES

### Replaceable Wearing Parts

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

### Shielded Ball Bearing

The pumps are fitted with shielded ball bearing so no external lubrication required through life cycle and low noise level.

### CED – Cathodic Electro Deposition

CED is the latest coating technology for corrosion resistance with uniform coating, 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.

### 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.

### 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.

### 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.

PERFORMANCE CHART FOR KJ PUMPS AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE-PHASE AC POWER SUPPLY

Sr. No.	Pump Model Twin Type	Jet Unit	Min. Well Size (mm)	Min. Operating Pressure (Meters)	Power Rating		Pipe Size (mm)			Rated Voltage (Volts)	DEPTH TO LOW WATER LEVEL IN METRES													
					kW	HP	DEL.	PRESS.	DIS.		9	12	15	18	21	24	27	30	33	36	39	42	45	48
											DISCHARGE IN LITRES PER HOUR													
1	KJ-05V/H	4T6	100	8	0.37	0.5	32	25	25	210	1920	1680	1320	1020	720	540	360	-	-	-	-	-	-	-
2	KJ-10V*/H	4T3	100	19	0.75	1.0	32	25	25	210	2700	2520	2220	1800	1500	1250	960	660	-	-	-	-	-	-
3	KJ-10V/H	4T6	100	19	0.75	1.0	32	25	25	210	1800	1790	1525	1300	1090	900	725	570	432	300	180	120	-	-
4	KJ-10V*/H	5T2	115	19	0.75	1.0	40	32	25	210	3360	3090	2700	2340	1990	1600	1240	1000	-	-	-	-	-	-
5	KJ-15V*/H	4T6	100	23	1.10	1.5	32	32	25	210	1940	1920	1880	1860	1740	1560	1350	1170	1050	920	810	690	570	480
6	KJ-15V*/H	4T6	110	23	1.10	1.5	32	25	25	210	1896	1884	1860	1764	1584	1356	1152	960	780	648	516	384	264	-
7	KJ-15V*/H	5T2	115	22	1.10	1.5	40	32	25	210	3600	3360	3000	2670	2350	2010	1680	1320	1080	720	-	-	-	-
PACKER TYPE																								
8	KJ-10V/H	2P1	50	20	0.75	1.0	32	25	25	210	-	1600	1200	1062	900	540	-	-	-	-	-	-	-	-

### Note:

1. \* Marked pumps are ISI certified.
2. Performance applicable to 4 meters submergence of jet unit in water.
3. Performance applicable to liquid of specific gravity 1 and viscosity as of water.

**KIRLOSKAR BROTHERS LIMITED**

A Kirloskar Group Company

Established 1888

Service Toll-Free No.

**1800 103 4443**

Registered Office & Global Headquarters : "Yamuna", Survey No. 98 /(3 to7), Plot No. 3, Baner, Pune 411 045, State Maharashtra, India.

Tel.: +91 (20) 2721 4444 Fax: +91 (20) 67211060 Email: marketing@kbl.co.in Website: www.kirloskarpumps.com CIN No.: L29113PN1920PLC000670