



## KIRLOSKAR BROTHERS LIMITED

# Leader in fluid management

KBL is a world class pump manufacturing company with expertise in engineering and manufacture of systems for fluid management. Established in 1888 and incorporated in 1920, KBL is the flagship company of the \$ 2.1 billion Kirloskar Group. The market leader in fluid management, KBL provides complete fluid management solutions for large infrastructure projects in the areas of water supply, power plants, irrigation, oil & gas and marine & defence.

The Company has eight manufacturing facilities in India at Kirloskarvadi, Dewas, Kondhapuri, Shirwal, Ahmedabad, Coimbatore, Kolhapur and Karad. With over 15,000 channel partners in India and supported by best-in-class network of Authorised Centres and Authorised Refurbishment Centres across the country, KBL is well positioned to fulfill the most critical needs of fluid management.

As one of the largest pump manufacturers in India, KBL offers over 75 types of pumps in over 500 variants, with up to 1,200 metre head and discharge of up to 120,000 cubic metres per hour. These pumps provide the lowest life cycle cost; that is because KBL pumps offer the maximum reliability under all operating conditions, ensuring trouble-free operations at all times and eliminating costly downtime. Additionally, KBL pumps are constructed with materials that offer the best resistance to corrosion and abrasion, enhancing performance for years and years. Technological innovations employed in pump engineering also reduce overall energy use – enhancing efficiency and cost savings.

## KIRLOSKAR BROTHERS LIMITED

(CIN – L29113PN1920PLC000670)

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Enriching Lives

# EXTREMELY DURABLE SOLUTION FOR AGRICULTURAL APPLICATIONS

**Kirloskar  
JALSAGAR (JVS)**

**Vertical Open-well  
Submersible Pump**



### Applications

- Pumping water from wells, sumps and water-tanks
- Water for gardening, sprinklers and conventional irrigation

**RUST FREE**



**KIRLOSKAR  
BROTHERS  
LIMITED**  
125 YEARS OF ENGINEERING EXCELLENCE

**KIRLOSKAR BROTHERS LIMITED**  
– DISTRIBUTION SECTOR



With a capacity of pumping up to 960 litres per minute, the Jalsagar submersible is capable of providing large volumes of water to irrigate vast agricultural fields and sprinkle big lawns and gardens, efficiently. The pump does not require foundation for installation or priming facility, giving users the convenience of simply submerging the pump to commence its usage anywhere.

CED-coated cast iron and stainless steel have been used to construct the pump, thereby providing high resistance to corrosion even in submerged state. Dynamically balanced rotating parts emit less noise and vibration, facilitating less wear and tear and longer life. A thermal overload protector shields the motor from overloading and burn-outs.

Adding to these features is the pump's conformation to IS 14220-1994, which highlights its standards of quality and performance – bearing the true hallmark of brand Kirloskar.



#### Designed for underwater applications

By virtue of being a submersible pump, the Kirloskar JVS does not require priming and foot valve, giving you the convenience of using the pump instantly, anywhere.



#### No foundation required for installation

The pump can be submerged directly in water and start operations without the need of building a foundation or a pump housing facility.



#### Dynamically balanced rotating parts

All rotating parts are dynamically balanced to ensure minimum vibration and protect components from damage during the pump's operation.



#### Replaceable wearing parts

All wearing parts within the pump are easily accessible and replaceable, thereby extending the life of the pump.



#### Wide input voltage range

The pump motor is designed to perform optimally during low voltage and fluctuations due to its ability to adapt to a wide input voltage range of 250 to 440 volts.

Product Snapshot	
<b>Range and Technical Specification</b>	
Head	: 14 to 147 metres
Capacity	: 120 to 960 LPM
Power Rating	: 2.2 to 15 kW / 3 to 20 HP
Voltage Range	: 250 – 440 volts
<b>Construction Materials</b>	
Impeller	: Cast Iron
Delivery Casing	: Cast Iron
Motor Body	: MS
Shaft	: Stainless Steel

**Applications**

- Pumping water from wells, sumps and water-tanks
- Water for gardening, sprinklers and conventional irrigation




## PERFORMANCE CHARTS

### JALSAGAR (JVS) 3 PHASE

Sr. No.	PUMP MODEL	POWER RATING (KW)	POWER RATING (HP)	DEL. PIPE SIZE (mm)	STG	HEAD IN METERS												
						GPM	LPM	LPS	M <sup>3</sup> /Hr	32	48	63	79	95	111	127		
1	JVSB-1007	7.5	10.0	80	7	119	115	109	98	84	65	42						

	PUMP MODEL	POWER RATING (KW)	POWER RATING (HP)	DEL. PIPE SIZE (mm)	STG	HEAD IN METERS												
						GPM	LPM	LPS	M <sup>3</sup> /Hr	32	48	63	79	95	111	127		
2	JVSC-0302	2.2	3.0	80	2	35	34	32	29	25	20	14						
3	JVSC-0503	3.7	5.0	80	3	53	51	48	44	38	30	21						
4	JVSC-0805	5.5	7.5	80	5	88	85	80	73	63	50	35						

	PUMP MODEL	POWER RATING (KW)	POWER RATING (HP)	DEL. PIPE SIZE (mm)	STG	HEAD IN METERS												
						GPM	LPM	LPS	M <sup>3</sup> /Hr	32	63	95	119	127	159	190		
5	JVSD-0804	5.5	7.5	80	4	77	73	65	60	54	39	20						
6	JVSD-1005	7.5	10.0	80	5	96	91	81	75	68	49	25						
7	JVSD-1306	9.3	12.5	80	6	116	109	98	90	81	59	30						
8	JVSD-1507	11.0	15.0	80	7	135	127	114	105	95	68	35						

	PUMP MODEL	POWER RATING (KW)	POWER RATING (HP)	DEL. PIPE SIZE (mm)	STG	HEAD IN METERS												
						GPM	LPM	LPS	M <sup>3</sup> /Hr	32	63	95	127	159	190	222		
9	JVSA-1305	9.3	12.5	80	5	92	88	85	77	62	40	17						
10	JVSA-1506	11.0	15.0	80	6	110	106	102	92	74	48	20						
11	JVSA-2008	15.0	20.0	80	8	147	141	136	123	99	64	27						

	PUMP MODEL	POWER RATING (KW)	POWER RATING (HP)	DEL. PIPE SIZE (mm)	STG	HEAD IN METERS												
						GPM	LPM	LPS	M <sup>3</sup> /Hr	63	95	127	159	190	222	246		
12	JVSA-0502N	3.7	5.0	80	2	45	41	40	36	30	22	7						
13	JVSA-0803N	5.5	7.5	80	3	68	62	60	54	45	33	11						
14	JVSA-1004N	7.5	10.0	80	4	90	82	80	72	60	44	14						

VERTICAL OPENWELL SUBMERSIBLE JVS SERIES AT 50Hz FREQUENCY & 415 V RATED VOLTAGE