

# KVM

## VERTICAL MULTI STAGE / INLINE PUMPS



Enriching Lives



STRENGTHENED BY  
**99.9%**  
PURE EC GRADE  
COPPER WINDING WIRES

BUY ELECTRIC PUMPS  
WITH PURE COPPER  
WINDING WIRES ONLY.  
ENQUIRE BEFORE BUYING.



WORKS WELL IN  
RO Plants | Pressure Boosting | Fire Fighting System

### ALWAYS BUY PUMPS WITH

and



### LOGOS ON PACKAGING

## TECHNICAL SPECIFICATION

Head Range	- Up to 181 metres
Discharge Range	- Up to 25 m <sup>3</sup> /hr
Power Rating	- 1.1 to 4.5 kW (1.5 to 6 HP)
Voltage Range	- 180 to 240 Volts (Single Phase) 300 to 440 Volts (KVM 2 m <sup>3</sup> /hr – 3 phase) 350 to 440 Volts (KVM 4 m <sup>3</sup> /hr – 3 phase) 370 to 440 Volts (KVM 10 & 15 m <sup>3</sup> /hr - 3 phase IE2)
Insulation	- F Class
Protection	- IP44/ IP55
pH Value	- 5 - 8.5

## MATERIAL OF CONSTRUCTION

Diffuser & Impeller	- High Grade Engineering Polymer
Discharge Casing	- Cast Iron
Suction Casing	- Cast Iron
Pump shaft	- Stainless Steel

## APPLICATIONS

- RO Plant
- Pressure boosting and lifting water in apartments and bungalows
- Irrigation
- Firefighting systems and washing systems
- Air conditioners, cooling system and industrial cleaning

## FEATURES

### Wide Operating Range with Flatter Characteristics for a Stable Performance.

Minimum variations in efficiency during entire operating range increases the utility of pump set for variable conditions. Flatter performance curve ensure wide operating range.

### Engineering Polymer Impellers and Diffuser

Excellent chemical resistance to most of the acids, bases, chlorides and cleaning agents Excellent hydrolytic stability Excellent long term dimensional stability for reliable and consistent performance

### Keyed Shaft

Positive impeller locking for better life

### Wide Voltage Range

The motor is designed to withstand wide voltage variation which reduces motor burning in case of low/high voltage.

### Light-weight

Easy handling and easy to integrate in the system

### High Efficiency

Low power consumption

### CED Coating

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

### Cartridge Type Mechanical Seal

Superior quality cartridge type mechanical seal with high quality graphite and hard alloy ensures better heat resistance capacity, zero leakage and lower friction loss. This protects the shaft from wear and tear thus ensuring easy maintenance without opening the pump for a longer life.

PERFORMANCE CHART FOR KVM 2 m<sup>3</sup>/hr SERIES, 2 POLE, AT RATED VOLTAGE OF 230/415 VOLTS, 50 Hz FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		No of Stages	lps	0.28	0.42	0.56	0.69	0.83	0.97	1.11	1.25	1.39	1.53
		kW	HP	SUC.	DEL.		m3/hr	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5
1	KVM - 2070	1.1	1.5	25	25	10	Total Head in meters	77	75	70	66	60	53	46	38	29	20
2	KVM - 2085	1.1	1.5	25	25	12		93	89	85	79	71	63	54	44	33	22
3	KVM - 2100	1.5	2.0	25	25	14		108	105	100	94	85	76	67	56	44	33
4	KVM - 2115	1.5	2.0	25	25	16		123	120	115	107	97	86	75	63	50	36
5	KVM - 2130	2.2	3.0	25	25	19		152	147	140	132	121	108	94	80	60	42
6	KVM - 2170	2.2	3.0	25	25	23		181	173	165	154	141	126	110	91	70	45

PERFORMANCE CHART FOR KVM 4 m<sup>3</sup>/hr SERIES, 2 POLE, AT RATED VOLTAGE OF 230/415 VOLTS, 50 Hz FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		No of Stages	lps	0.28	0.56	0.83	1.11	1.39	1.67	1.94	2.22	2.50
		kW	HP	SUC.	DEL.		m3/hr	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
1	KVM - 4084	2.2	3	32	32	12	Total Head in meters	93	90	86	81	73	65	53	40	25
2	KVM - 4114	3.7	5	32	32	16		127	124	120	114	103	88	72	53	35
3	KVM - 4122	3.7	5.0	32	32	18		142	136	130	122	111	96	80	60	40
4	KVM - 4136	3.7	5.0	32	32	20		160	154	145	135	123	106	87	66	45

PERFORMANCE CHART FOR KVM 10 m<sup>3</sup>/hr SERIES, 2 POLE, AT RATED VOLTAGE OF 415 VOLTS, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		No of Stages	lps	0.56	1.11	1.67	2.22	2.78	3.33	3.89	4.44	5.00
		kW	HP	SUC.	DEL.		m3/hr	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0
1	KVM - 10078	3.7	5.0	42	42	8	Total Head in meters	89.5	86.5	83	79.5	75	70	63	56	48
2	KVM - 10098	4.5	6.0	42	42	10		114	111	108	103	98	90	82	72	61
3	KVM - 10115	4.5	6.0	42	42	12		138	134	129	123	115	107	98	87	74

PERFORMANCE CHART FOR KVM 15 m<sup>3</sup>/hr SERIES, 2 POLE, AT RATED VOLTAGE OF 415 VOLTS, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		No of Stages	lps	0.83	1.67	2.50	3.33	4.17	5.00	5.83	6.66	6.94
		kW	HP	SUC.	DEL.		m3/hr	3.0	6.0	9.0	12.0	15.0	18.0	21.0	24.0	25.0
1	KVM - 15045	3.7	5.0	65	65	4	Total Head in meters	53.5	52.5	50.5	48	45	40.5	35	29	26
2	KVM - 15072	4.5	6.0	65	65	6		85	82	80	76.5	72	66	59	49	45

### Note:

- KVM 10 and KVM 15 Series are supplied with IE2 three phase motor as standard scope of supply and also available in IE4 Motor.
- Above KVM 10 & KVM 15 series are Inline models.
- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.

## KIRLOSKAR BROTHERS LIMITED

Established 1888

A Kirloskar Group Company

Registered Office & Global Headquarters: "Yamuna", Survey No. 98/(3 to7),

Plot No. 3, Baner, Pune - 411 045, Maharashtra, India Tel: +91(20)27214444,

Email: marketing@kbl.co.in, Website: www.kirloskarpumps.com

CIN No.: L29113PN1920PLC000670



FOR SERVICE OF PUMPS

We are now on WhatsApp to assist you better

**9922710710**

(OR) Call on Toll Free Number:

**1800 123 4443**