



Enriching Lives



KAM

0.5 - 1.5 HP,
AGRICULTURE
MONOBLOC PUMP



KIRLOSKAR BROTHERS LIMITED
A Kirloskar Group Company

KAM

0.5 - 1.5 HP, Agriculture Monobloc Pump

Kirloskar KAM Hi-Flow represents one of the largest selling pumps in the agricultural segment. With a capacity of pumping up to 930 litres per minute, the Kirloskar KAM Hi-Flow truly lives up to its name – providing high volumes of water for agricultural and farming applications.

The pump employs innovations in design and construction to produce a flat efficiency curve – enhancing operational efficiency, energy savings and pump life. CED-coated cast iron components and carbon steel shaft strengthens the pump's durability by providing high resistance to corrosion. Dynamically balanced rotating parts emit less noise and vibration, facilitating less wear and tear. A thermal overload protector shields the motor from overloading and burn-outs.

Adding to these features is the pump's conformation to IS 9079-2002, which highlights its standards of quality and performance – bearing the true hallmark of brand Kirloskar.

PRODUCT SNAPSHOT

Range and Technical Specification

Head	: 4 to 16 meters
Capacity	: 55800 to 1440 LPH
Power Rating	: 0.5 kW to 1.5 HP
Voltage Range	: 120 to 220 Volts (1 ph LV) 180 to 240 Volts (1 ph STD)

Construction Material

Impeller	: Cast Iron
Delivery Casing	: Cast Iron
Motor Body	: Cast Iron
Pump Shaft	: C40 Carbon Steel



Top, flat efficiency curve

The pump employs innovations in design and construction to produce a flatter efficiency curve - enhancing operational efficiency and pump life.



Overload protection

The pump has been designed to prevent overloading and thereby protects the motor from burning out - saving substantial cost from maintenance and breakdown.



Self-Priming & Suction Lift

The pump's self-priming capability automatically releases air when starting the pump and provides a suction lift up to 7.5 metres - ensuring swifter and smoother operations.



Dynamically balanced rotating parts

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



Class 'B/F' Insulation

All electrical parts are shielded with Class "B" insulation up to 7.5 HP and Class "F" in 10 HP and above, thereby protecting electrical components from damage in extreme environments.



Wide 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 120 to 220 volts.



IP44 Protection

The pump meets IP44 standards of protection against contact with live or moving parts inside the motor as well as ingress of small solid foreign bodies.



Easy maintenance

The pump has been designed to offer easy access for maintenance and replacing worn-out parts, resulting in longer life of the pump.



CED coated components

All wet parts are CED (Cathode Electrode Deposition) coated on surface and cavities - providing 5 times more protection from corrosion compared to painted pumps.

APPLICATIONS

- Farming and agricultural use
- Conventional irrigation systems



PERFORMANCE CHART

PUMP MODEL	POWER RATING		FULL LOAD CURRENT	RATED VOLTAGE	TOTAL HEAD IN METERS												
	kW	HP			4	5	6	7	8	9	10	11	12	13	14	15	16
	(in amps)				DISCHARGE IN LITRES PER HOUR												
KAM-0 LV	0.37	0.5	3.5	200								5868	4896	4176	3600	2880	1440
KAM-05	0.5	0.75	5.1	200						18000	14760	11160	6840				
KAM 11	0.75	1	8.8	210	55800	50760	43560	37800	28800								
KAM-11 LV	0.75	1	9.5	160	55800	50760	43560	37800	28800								
KAM 15	1.1	1.5	9.5	230							43200	39600	33840	25200			
KAM-15 LV	1.1	1.5	10.55	200							43200	39600	33840	25200			

Note : Performance applicable in cases of liquid with specific gravity 1 and viscosity as of water.

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OUR COMPANIES



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