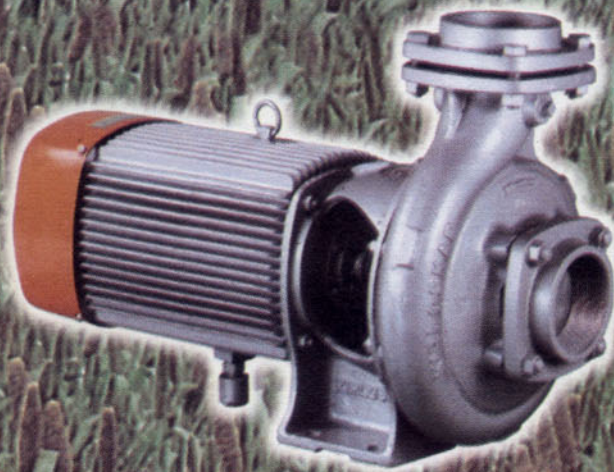


KIRLOSKAR

MONOBLOC PUMP



KS

FOR AGRICULTURE



KIRLOSKAR 'KS+' SERIES SLOW SPEED PUMPS

Single stage, three phase, horizontal, centrifugal, monobloc with volute type delivery casing.

Range:

- Head : Up to 22 metres.
- Capacity : Up to 72 litres per second.
- Power Rating : 2.2 kW to 7.5 kW.
(3.0 HP to 10.0 HP)

Applications :

- Irrigation.
- Industries, for clear water handling.
- Water supply for domestic use in Apartments, Buildings, and Hotels.

Standard Features :

- Withstand wide voltage fluctuations.
- Designed to prevent overloading and hence motor burning.
- Long life : due to replaceable wearing parts.
- Dynamically balanced rotating parts.
- Grease lubricated deep groove ball bearing.
- Easy maintenance, spares availability.
- Designed for automatic air release during priming.
- Models are with IP-44 protection.

Special Features :

- Voltage range from 300V to 440V.

- Suction lift upto 7.5 meters.
- Efficiency at par with internationally available pumps.
- Efficiency higher by upto 10 points than minimum specified in Indian Standards Specifications.
- Top flat efficiency curve ; minimum variation in efficiency over the entire operating range.
- Models with IP-55 protection are available on request.
- Class of insulation 'B'.

Material of Construction :

Standard Supply :

- Impeller : Cast iron.
- Delivery casing : Cast iron.
- Motor body : Cast iron.
- Shaft : Carbon steel.
- Shaft Sleeve : Bronze.

Optional Supply :-

- Impeller : Bronze.
- Shaft : Stainless steel.
- Shaft Sleeve : Chrome Steel.

Direction of Rotation :

Clockwise, when viewed from suction side.

APPROXIMATE PERFORMANCE OF 'KS+' SERIES, 4 POLE MONOBLOC PUMPS AT RATED VOLTAGE, 50 Hz, THREE PHASE A.C. POWER SUPPLY

PUMP MODEL	POWER RATING		PIPE SIZE (mm)		TOTAL HEAD IN METRES									RATED VOLTAGE (VOLTS)
					6	8	10	12	14	16	18	20	22	
	kW	HP	SUC.	DEL.	CAPACITY IN LITRES PER SECOND									
KS-316+	2.2	3.0	65	50	-	-	-	13.4	11.7	9.4	5.1	-	-	415
KS-513+ *	3.7	5.0	100	100	34.0	30.9	27.0	22.0	-	-	-	-	-	415
KS-516+	3.7	5.0	80	65	-	-	-	23.7	20.8	17.5	13.2	-	-	415
KS-817+	5.5	7.5	100	100	-	-	34.4	31.8	29.0	25.3	19.2	-	-	400
KS-823+	5.5	7.5	100	80	-	-	-	29.4	27.3	25.0	22.2	18.8	14.5	400
KS-1012+	7.5	10.0	150	150	72.0	67.0	59.5	49.5	30.0	-	-	-	-	400
KS-1022+	7.5	10.0	100	100	-	-	-	-	36.0	33.0	29.0	24.2	17.5	400

* Extended shaft version is also available on request.

Above pumpsets can be supplied with stuffing box arrangement for gland packed or mechanical seal against the requirement.

All pumpsets except KS-1012+ are ISI marked.

NOTE : Performance applicable to liquid of specific gravity 1 and viscosity as of water.