

KDS PUMPS - the heart of Industry



 **One Stop
Pumping Solution...**



Self-priming centrifugal Mud pump

Applications

- suitable for clean and polluted liquids, which are non-corrosive to cast iron, including water, oils, petrol and all kind of chemicals.
- Draining building excavations, emptying ponds, ditches and swimmingpools,water extraction for irrigation and watering, general service pumps.
- Emptying pits and throughs containing wastewater, handling fuels, condensate extraction pumps.

Pump specifics

- Gland and Mechanical Seal version available.
- Suitable for a wide range of duties
- Dust tight, grease lubricated bearings
- Self-priming

Selection Table.

Model	HP x RPM	Size (mm)	Total Head in Meters																	Max Solid Size	
			6.0	8.0	10.0	12.0	14.0	15.0	16.0	18.0	19.0	20.0	22.0	24.0	25.0	26.0	28.0	30.0	32.0		34.0
			Discharge in Liter per Second																		
KSMP1P2	1x2900	40.0	4.8	4.2	3.5	2.5	1.8														7.0
KSMP2P2	2x2900	40.0			6.5	6.0	5.0	4.0	3.0	1.0											8.5
KSMP3P2	3x2900	50.0			9.0	8.5	8.0	7.0	6.0	5.0	4.0	2.0									10.5
KSMP5P4	5x1450	80.0	18.0	16.0	15.0	12.0	9.0	5.5													14.5
KSMP5P2	5x2900	80.0									7.7	7.3	7.0	6.8	6.4	6.0	5.0	4.0	3.0		14.5
KSMP7.5P2	7.5x2900	80.0									13.9	13.7	13.5	13.3	13.1	13.0	10.5	8.8	7.0	6.0	14.5
KSMP10P4	10x1450	100.0			35.0	32.7	31.3	28.8	27.5	24.4	22.8	21.3	17.2	12.9	6.3	6.7					18.5
KSMP12.5P4	12.5x1450	100.0			43.0	39.3	35.5	34.0	33.0	30.0	28.0	26.0	23.0	19.0	16.0	13.0	6.0				23.0



SPECIFICATIONS.

- Power Range 0.5 to 20 HP
- Supply 1ph 230v, 50HZ AC Supply and 3ph 380-415V, 50HZ AC Supply
- Speed 2880rpm / 1440rpm
- Head Range 6 to 40m
- Flw Range 5 to 43 LPS
- Solid Handling Capacity Up to 34 mm
- Motor-Degree of Protection IP 54/ IP55
- Insulation Class B and F

MATERIAL OF CONSTRUCTION.

- Casing: Cast iron / SS - 304 (CF - 8) SS - 316 (CF - 8M)
- Impeller: Cast iron / CF - 8 / CF -8m / Bronze
- Diffuser: Cast iron / CF - 8 CF - 8 M / Bronze
- Shaft: EN- 8 / SS - 304 / SS - 316
- Sleeve: SS - 410 / SS - 304 / SS - 316 / Bronze
- Bearing Housing: Cast iron
- Sealing: carbon - Ceramic Seal / TC-TC Seal – Or as requested.

FEATURES.

- Excellent quick automatic priming action without foot valve up to 8 mtrs.
- Automatic air release during priming.
- Back pull design, so easy maintained without disturbing pipe lines.
- Dynamically balanced rotating parts ensure less vibration.
- Better efficiency because of good hydraulic design.
- Non-clog impellers to handle solid particles up to 25 mm.
- Minimum parts, fast repairing at low cost, Also pump is available at
- Available in Bare, Coupled, Monobloc, Belt driven & Engine driven
- Also offered pump with trolley / trailer to move it from one place to
- Graded casting & perfect machining of all components ensure long life.
- ABLE TO OFFER PUMPS WITH CLOSED IMPELLERS FOR CLEAR LIQUIDS.
- Monobloc pumps can be able to with stand with wide voltage fluctuations.
- Less expensive & easily available spares.
- Pumps can be fitted with mechanical seal as per customer's requirements.

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