



Dolt Right Solutions

We serve you in a better way...



MCM 5000

MCM Authorised

Sales and service Partner



METR CONSTRUCTION MACHINERY
Website : www.metrmachinery.com

MCM concrete pumps

Metr construction machinery(MCM) with core competency in concrete pumps Offers best technology at affordable price to the customers.

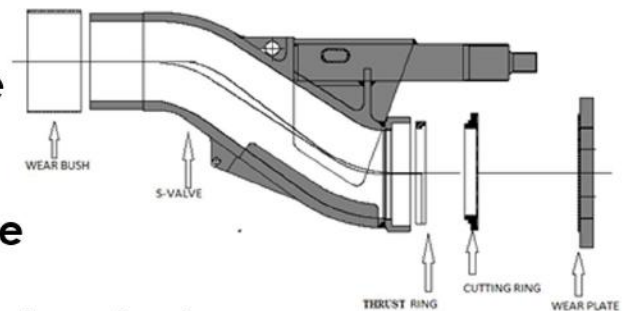
We offer entire range of stationary pump models starting from 45KW drive power for low pressure versions & up to 200KW for higher pressure models.

With the same drive power we offer various combinations of concrete output and pressure rating to choose for the customers based on their requirement.

Design:

Well proven S valve technology.

- Smooth reduction of diameter from 200mm to 180mm over a long distance allows the S valve to handle even the harshest mix designs.
- Leak proof sealing of the pressure line at the wear plates ensures trouble free pumping by eliminating the chance of slurry leak.



- Unlike the other valve systems the 'S' valve has only one side leakage path which is completely sealed by the cutting ring with the help of the pressure exerted by the thrust ring.
- This makes the 'S' valve best suited valve system for high rise pumping.

Hopper :

- The hopper has been specially designed to improve the suction performance of the concrete pump.
- There are no dead angles, the inner walls are designed to direct the flow of concrete to the suction opening.



- Capacity: 600 litres.
- Low lying agitator with two high torque motors as standard



- Automatic greasing system

Hydraulics:

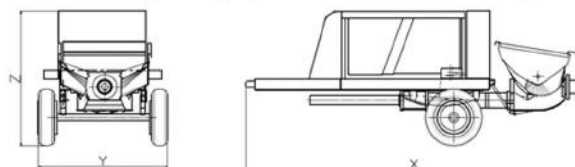
- The concrete pump's hydraulic system has been developed specially for handling harsh mix design widely used in India.
- Various options like the simple one pump system(OPS), Twin pump open system(TPS), load sensing system(LSS) & closed loop system(CLS) are available as options.
- In our standard offer we use the best suitable system for a particular KW range & application. In this model we are using OnePump System(OPS).

Metallurgy:

- The parts exposed to pressurised concrete flow are designed with highly wear resistant materials.
- We have standard cast steel S valve as well as high wear resistant model with an average life of over 100000 m3.
- Optional carbide wear parts are also available.
- Drive options - Engine / electric motor.
- Optional accessories - compressor / water pump.
- Twin high torque motors for agitator.
- Smooth reduction of the output pipes minimize pressure loss



2D Image:



Specifications of stationary pump MCM 5000

TECHNICAL DATA

S.NO	PARAMETERS	5000		11	Engine	KOEL HA 494
1	Technical identification number	1225		12	Drive power	49 KW
	Differential cylinder drive	rod side	piston side	13	Hydraulic circuit	OPEN
2	Maximum concrete pressure(bar)	60	90	14	Hydraulic oil volume	200 litres
3	Maximum theoretical output (m ³)	52	34	15	Volume of hopper(litre)	600
4	Maximum number of strokes	28	18	16	Type of valve	S (8")
5	Maximum horizontal placing distance(m)	300	430	17	Axle	SPRING
6	Maximum vertical placing distance (m)*	80	120	18	auxiliary system (options)	compressor /water pump
7	Area ratio (hydraulic/concrete)	0.2	0.3	19	Weight(Kg)	3500 KG
8	Delivery cylinder diameter x stroke	200X1000		20	Hopperfeeding height(m)	1.3
9	Delivery cylinder volume(litre)	315 x 2		21	Dimensions(X Y Z) mm	5200 X 2090 X 2100
10	Drive cylinder	110/63				

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