



SCE CONCRETE PUMP

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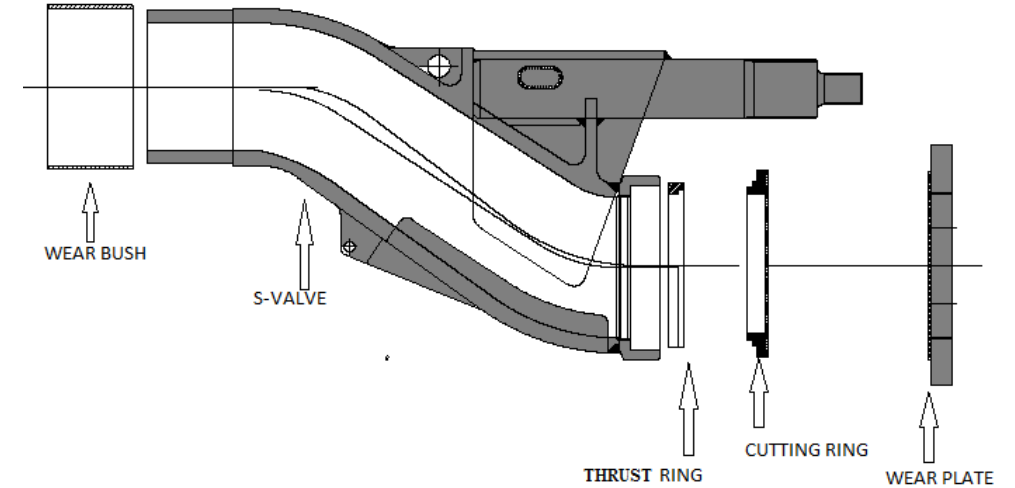
SCE CONCRETE PUMPS

Shriram Construction Equipment (SCE) with core competency in concrete pumps offers best technology at affordable price to the customers. We offer entire range of stationery pumps models starting from 45 kW drive power for low pressure versions & up to 200 kW 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 and Gate 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 water plates ensures trouble free pumping ny eliminating the chance of slurry leak.
- Unlike the other valve system 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 steels 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 Diesel Engine / Electric Motor.
- Optional accessories Compressor / water pump.
- Twin high torque motors for agitator.
- Smooth reduction of the output pipes minimize pressure loss.



CONCRETE PUMP SCE 40 HD



S. NO.	PARAMETERS	SCE40HD
1	Technical Identification Number	875
2	Maximum concrete pressure	74 bar
3	Maximum theoretical output	16 m ³ /hr
4	Maximum horizontal placing distance	160 m
5	Maximum vertical placing distance	40 m
6	Delivery cylinder diameter x stroke	180X1000
7	Delivery cylinder volume	25.4 litre
8	Engine	KIRLOSKAR/KOEL HA 394
9	Drive power	35KW
10	Hydraulic circuit	OPEN
11	Hydraulic oil volume	100 liters
12	Volume of hopper	250liters
13	Type of valve	Gate valve
14	Axel type	Normal type
15	Weight	1800 kg
16	Hopper feeding height	1350 mm
17	Dimension (Length X width X height)	4305X1800X1979 mm

CONCRETE PUMP SCE 5000



TWIN CYLINDER S-VALVE PUMP		SCE5000	
Technical Identification Number	1225		
Engine	KOEL HA 494		
Drive Power	49KW		
Hopper Feeding Height	1300 mm		
Weight(kg)	3500KG		
Parameter	Rod Side	Piston Side	
Maximum Concrete Pressure	60 bar	90 bar	
Maximum Theoretical Output	52 m ³ /hr	34 m ³ /hr	
Maximum Number Of Strokes	28 st/min	18 st/min	
Maximum Horizontal Placing Distance	300 m	430 m	
Maxium Vertical Placing Distance(m)	80 m	120 m	
Delivery Cylinder Diameter X Stroke	200X1000 mm		
Hydraulics			
Hydraulic circuit	OPEN		
Hydraulic oil volume	220 Liters		

CONCRETE PUMP SCE S350D



TWIN CYLINDER S-VALVE PUMP		SCE350D	
Technical Identification Number	875		
Engine	KOEL HA 394		
Drive Power	35KW		
Hopper Capacity	400 litres		
Hopper Feeding Height	1150 mm		
Weight(kg)	3500KG		
Parameter	Rod Side	Piston Side	
Maximum Concrete Pressure	70 bar	74 bar	
Maximum Theoretical Output	34 m ³ /hr	27 m ³ /hr	
Maximum Number Of Strokes	22 st/min	25 st/min	
Maximum Horizontal Placing Distance	250 m	250 m	
Maxium Vertical Placing Distance(m)	60 m	60 m	
Delivery Cylinder Diameter X Stroke	180X1000 mm	180X700 mm	
Hydraulics			
Hydraulic circuit	Open		
Hydraulic oil volume	180 Liters		

CONCRETE PUMP SCE S250D



TWIN CYLINDER S-VALVE PUMP		SCE250D	
Technical Identification Number	875		
Engine	KOEL HA 394		
Drive Power	35KW		
Hopper Capacity	300 litres		
Hopper Feeding Height	1050 mm		
Weight(kg)	2700KG		
Parameter	Rod Side	Piston Side	
Maximum Concrete Pressure	70 bar	74 bar	
Maximum Theoretical Output	34 m ³ /hr	27 m ³ /hr	
Maximum Number Of Strokes	22 st/min	25 st/min	
Maximum Horizontal Placing Distance	250 m	250 m	
Maximum Vertical Placing Distance(m)	60 m	60 m	
Delivery Cylinder Diameter X Stroke	180X1000 mm	180X700 mm	
Hydraulics			
Hydraulic circuit	Open		
Hydraulic oil volume	180 Liters		



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Head Office:-

1125 11th Floor Gaur City Mall, Sec 4
Greater Noida West Gautam Budh Nagar
201306 Uttar Pradesh INDIA

Contact:-

📞 +91 96544 08776 / +91 92051 16671
✉️ info@shriramconstruction.com