

SHOTCRETE PUMP SC 800

The Scamac SC800 is a fully mechanized shotcrete equipment mounted on a high mobility wheeled vehicle, specifically designed to operate in small tunnels or in area having a narrow or difficult access. Compactly designed, the SC 800 is equipped with a diesel engine for vehicle movement which can be used also for powering the boom, the two front stabilizers and the cable reel. For the shotcrete operation the pump is powered by an electric motor.

Standard Characteristics:

- 4 wheel drive and 4 wheel steering vehicle with reversible driving seat, operator canopy FOPS and ROPS approved;
- Powerful water cooled diesel engine;
- 2 sturdy extendable support legs for highest stability;
- Telescopic boom available in two different versions, high mobility nozzle support and terminal feed, stroke 1m, which can be aligned to the surface to be lined for having a smooth and continuous operation;
- Concrete pump 2-32m³/h equipped with long stroke cylinders;
- Additive pump suitable for sodium silicate or alkali free complete of automatic metering system;
- Cable reel complete of 60m of electric cable, water pump, water and additive tanks:
- Remote control system for controlling all pump functions (pump, boom and additive).

The equipment is complete of concrete, additive and air hoses and all the necessary accessories to be put it in operation.

Dimensions and weight transport				
Length		6.450	mm	
Width		2.150	mm	
Height		2.900 mm		
Weight		6.400	kg	
Carrier			_	
Diesel motor (other available)		Lombardini Diesel		
Starter		electric		
Power rating		51,7	Нр	
Truck gauge		1.660	mm	
Transmission		Hydrostatic Bosch Rexroth		
		variable flo	w pump 4WD	
Steering		4 wheels steering		
Steering mode	3	3 (front, rear, rear & front)		
Service brake	Hyd	Hydraulic brake oil bath discs		
Parking brake		Negative parking brake		
Stabilizers operation		Fully Hydraulic		
Axles		Rear & front planetary red.		
		Self-block	ing front. axle	
Driving seat		Reversible		
Driver cabin		ROPS FOPS approved		
Fuel tank		50	I	
Electric system		12	V	
Speed 1		16 Km/h		
Speed 2	27 Km/h			
Control		T		
Carriage and stabilizers		Operator cab		
Boom/pump and additive system		Remote control		





Concrete pump			
Pump	SC 271/160		
Cylinder Diameter	160 mm		
Cylinder stroke	1000 mm		
Stokes per minute	0-28		
Capacity	2-32m ³ /h		
Max grain size	32 mm		
Pump output	5"		
Hopper capacity	300 I		
Electric motor	37 kW		
Accessories			
Cable reel capacity	60 m		
Additive pump	Piston diaphragm		
Capacity	0-20 l/min		
Pressure	0-15 bar		
Water pump	Piston		
Capacity	45 l/min		
Pressure	150		
Additive tank capacity	1000 I		
Water tank capacity	200 l		
Pump Hydraulic system			
Hydraulic pumps	1 HMT variable displ. for		
	cylinder circuit		
	1 variable displ. Constant		
	press. For boom circuit		
	2 gear pumps for pump valve and services		
Oil Tank	300 1		
Cooler	Oil cooler electrically		
	operated		
Optional	Spc. atea		
Closed operator cabin			
Working light 2x500W			

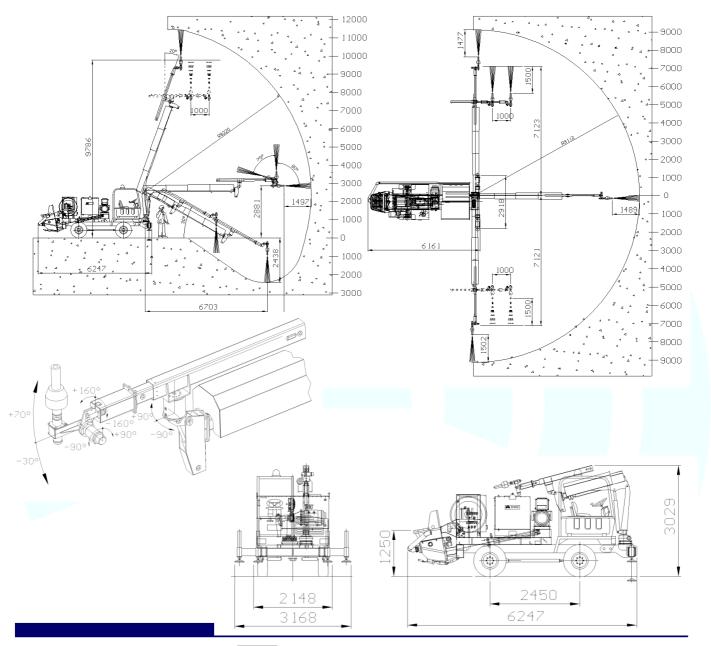




Additive automatic metering system

Boom		
Туре	SC 350.2	SC 350.3
Telescopic extension	2.000 mm	3000 mm
Boom rotation	320°	320°
Boom tilt	-30+70°	-30+70°
Nozzle feed extension	1000 mm	1000 mm
Nozzle feed tilt	-30+70°	-30+70°
Nozzle feed rotation	±90°	±90°
Nozzle tilt	±90°	±90°
Nozzle rotation	±135°	±135°
Working range lateral	16.000 mm	18.000 mm
- with extension parallel to tunnel	12.000 mm	14.000 mm
Working range vertical	10.200 mm	11.200 mm
- with extension tunnel parallel	7.800 mm	9.800 mm







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