



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	Hp
Truck gauge	1.660	mm
Transmission	Hydrostatic Bosch Rexroth variable flow pump 4WD	
Steering	4 wheels steering	
Steering mode	3 (front, rear, rear & front)	
Service brake	Hydraulic brake oil bath discs	
Parking brake	Negative parking brake	
Stabilizers operation	Fully Hydraulic	
Axles	Rear & front planetary red.	
	Self-blocking front. axle	
Driving seat	Reversible	
Driver cabin	ROPS FOPS approved	
Fuel tank	50	l
Electric system	12	V
Speed 1	16	Km/h
Speed 2	27	Km/h
Control		
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
Strokes per minute	0-28
Capacity	2-32m ³ /h
Max grain size	32 mm
Pump output	5"
Hopper capacity	300 l
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 l
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 l
Cooler	Oil cooler electrically operated
Optional	
Closed operator cabin	
Working light 2x500W	

Boom		
Type	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

