

## Shotcreting machine - SSB 02

### Field of Application

Shotcreting machine SSB 02 works on the principle of pneumatic transport and it is designed for the processing of dry or wet concrete mixtures. It is used, in particular, to reinforce the surfaces of engineering structures and the vaulting of tunnels and collectors in underground engineering and to maintain concrete constructions.

### Manufactured Models

Shotcreting machine SSB 02 is manufactured in two basic models differing in the way of output regulation. The model DUO has two output positions, the model COM-F offers stepless output regulation. The basic output position of the machine is determined by the rotor size. The machine can be mounted either on a wheel frame or a firm frame.



Parameter	Small rotor	Medium rotor	Big rotor
Rotor volume [dm <sup>3</sup> ]	9,4	13,5	21,9
Theoretical output [m <sup>3</sup> /h]	2,3 - 6,7	1,9 - 9,8	3,0 - 15,6
Air consumption [m <sup>3</sup> /min] (transport distance of 40 m)	6÷8		8÷14
Air pressure [Mpa]	0,5 – 0,6		
Motor output [kW]	4,5/6,5; 7,5		
Mains connection	3 x PEN 400 V		
Transport hoses inside diameter	DN = 50, 60		DN = 60, 65
Max grain size [mm]	max. 16		max. 20
Horizontal transport distance [m] (dry/wet shotcrete)	max. 250/40		
Vertical transport distance [m] (dry/wet shotcrete)	max. 100/15		
Water hose inside diameter [mm]	DN 20		
<b>Dimensions</b>			
Length [mm]	1620		
Width [mm]	990		
Height [mm]	1480		
Weight [kg]	950		

### Advantages

- it may be used universally for both dry and wet shotcreting
- easy operation and maintenance of the machine
- stepless output control (COM-F model)
- belt drive preventing damage of the drive in case of impulse stoppage of the machine
- long service life of spare parts (sealing and wearing plates) due to the use of centralised lubrication system
- robust structure enables work in demanding conditions
- low operational costs