

Gunite machine – SSB 05

Field of Application

Gunite machine SSB 05 is designed for spraying of concrete and refractory mixtures in a so-called dry method. SSB 05 finds its main applications in the spraying of refractory concrete mixtures during the lining of metallurgic and glassworks furnaces, heating plant boilers, coke-oven batteries, etc.; in the metallurgic, chemical and glass working industries. It is also used to maintain concrete structures (e.g. road and railroad bridges, abutment walls, cooling towers, water reservoirs, sewerage plants, etc.); during the construction and reconstruction of buildings and during the reinforcement and bracing of tunnel vaults and sewers.

Manufactured Models

Gunite machine SSB 05 is manufactured in three basic models differing in the way of output regulation. The model DUO has two output positions, the models COM-V and COM-F offer stepless output regulation. Depending on the nature of concrete used, a different rotors are employed. The machine can be equipped with central lubrication system that ensures the automatic greasing of sealing plates.



Parameter	Rotor (1,9L)	Rotor (3,9L)	Rotor (6,9L)
Rotor volume [dm ³]	1,9	3,9	6,9
Theoretical output [m ³ /h]	0,3 - 1,5	0,6 - 3,0	1,0 - 5,4
Air consumption [m ³ /min] (transport distance of 40 m)	4-5 (DN 32 / DN 40) 6-8 (DN 50)		
Air pressure [Mpa]	0,5 – 0,6		
Motor output [kW]	3		
Mains connection	3 x PEN 400 V		
Inner diameter of transport hoses [mm]	DN = 32, 40, 50		
Granularity of transported material [mm]	max. 8 (DN 32) max. 16 (DN 40 / DN 50)		
Horizontal transport distance [m]	max. 300		
Vertical transport distance [m]	max. 100		
Water inlet - inner diameter [mm]	DN 20		
Minimum water pressure at nozzle [MPa]	0,3		
Dimensions			
Length [mm]	1360		
Width [mm]	740		
Height [mm]	1220		
Weight [kg]	460 - 500		

Advantages

- Excellent performance during the transport of heavy, dry and fine concrete mixtures (refractory concrete, fine prefabricated mixtures)
- Long service life of consumption parts (sealing and wearing plates) ensured by the application of central lubrication system
- Stepless output control
- Low operational costs
- Easy operation and maintenance
- Robust structure enables work in demanding conditions