



B100S

Spray



Pump

Inject

B100S

For wet sprayed concrete professionals



Wet sprayed concrete with the B100S on the bobsleigh track for the Turin 2006 Winter Olympic Games

Accessories



Rotor



Stator



Accessories include a tool box including essential spare parts



Sponge balls for hoses cleaning



Wet sprayed concrete polyurethane spray gun



Wet sprayed concrete steel spray gun



Steel pipes and rubber hoses of different diameters and lengths, accessories such as the hose holder, the hose cleaning tripod allow you to use the machine for all its applications. They will optimise the performances of your B100S.

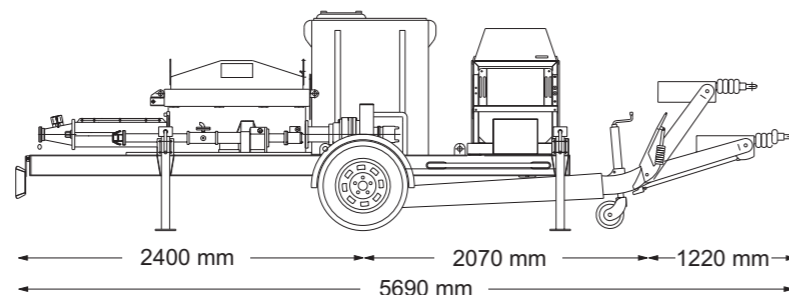
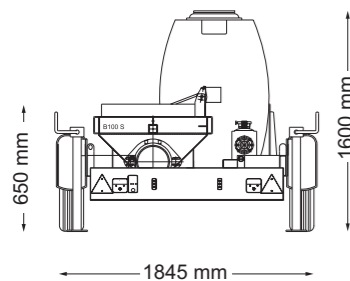


Technical data

Hydraulic power-pack Lombardini CHD2204 engine Hydraulic output Hydraulic maximum pressure Air compressor (upon request)	37 kW 114 l/min 150 bar 400 l/min
Concrete screw pump Maximum theoretical output * Maximum theoretical pressure * Maximum grain size Horizontal pumping distance ** Vertical pumping distance **	250 l/min 25 bar 16 mm 60 m 30 m
Additive screw pump Regulable theoretical output Maximum theoretical pressure	0-10 l/min 28 bar
Hopper capacity	180 l
Additive tank capacity	500 l
B100S total weight	1700 kg

* With Grain 50 rotor and stator:
12 bars pressure horizontal pumping distance 45 m vertical pumping distance 15 m maximum grain size 25 mm

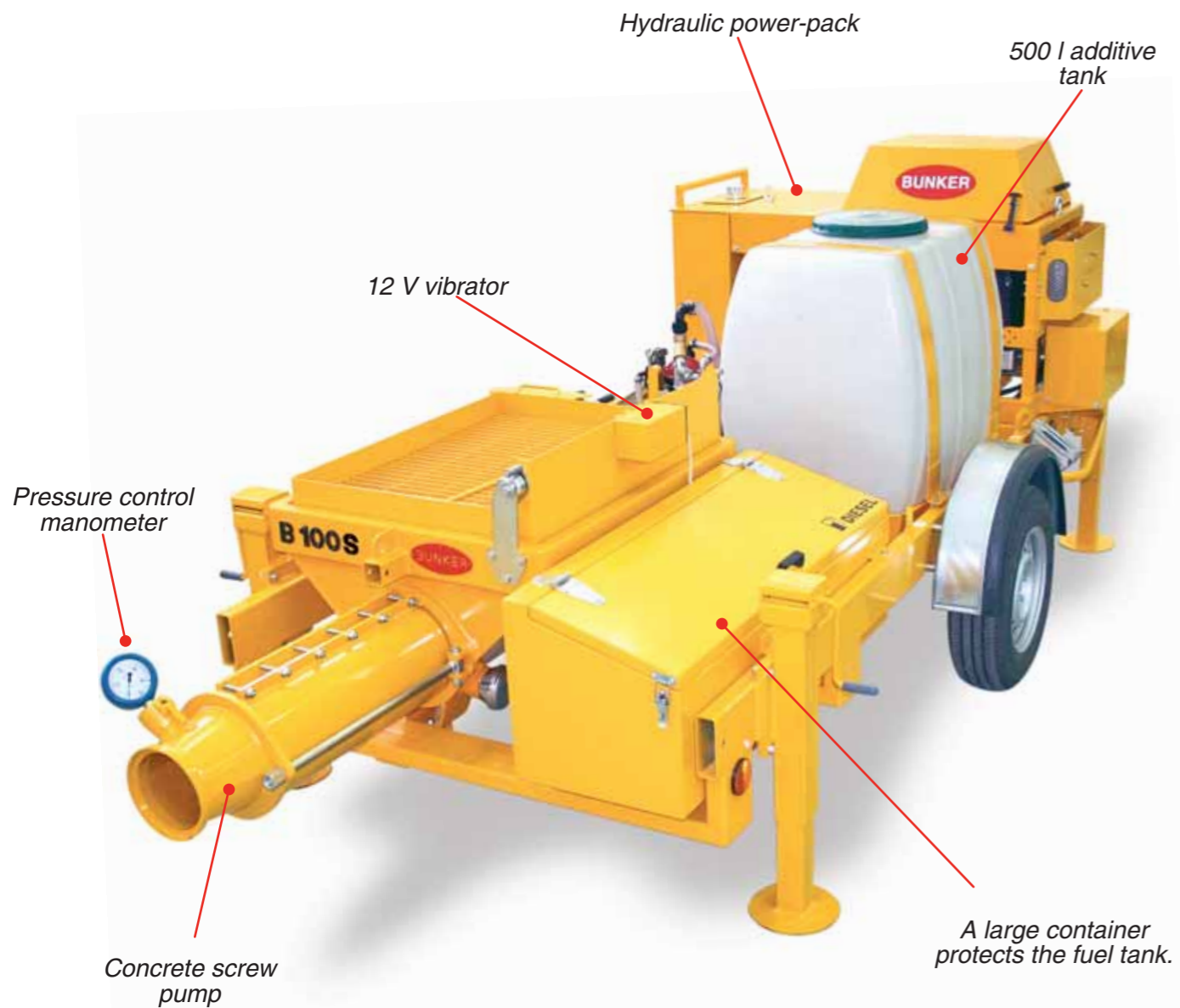
** Depends on material, consistency and hose diameter. Both distances cannot be reached simultaneously. Consistency class : S4 (fluid). Slump range : from 16 to 20 cm



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Hydraulic-driven concrete pump on trailer with its additive tank and dosing pump to spray or pump concrete, inject cement grouts or special mixes.



Hydraulic power-pack

500 l additive tank

12 V vibrator

Pressure control manometer

Concrete screw pump

A large container protects the fuel tank.



alimentata da una betoniera



alimentata da una betoniera ad inversione

The Diesel engine

The hydraulic power-pack is driven by a new Lombardini LDW 2204 engine, powerful and ecological with a low fuel consumption.



Conformity to safety regulations

Easy to manoeuvre guard locking devices prevent opening of the protective grids of the hopper and mixer. If opened, they stop the rotation of the screw feeder or mixer paddles.



How does it work?

The B100S is a simply designed volumetric pump without valves. The key components are an eccentric steel alloy rotor with a single thread and highly abrasion resistant stator that has a double thread. As the rotor turns inside the stator, the meshing geometry of the two components create sealed chambers on both inlet and outlet sides. Rotation of the rotor opens and closes the chambers gradually and alternatively. This way, the material is continuously conveyed. Output is proportional to rotation speed.

Hydraulic HP cleaner as a basic accessory

The B100S is equipped with a 40 l/min. 40 bars High Pressure cleaner to clean all the components.



The B100S, connected to an appropriate air compressor, enables a constant spraying and makes your work easier.



The B100S is a hydraulic-driven concrete pump on trailer with progressive output and pressure regulation made for wet sprayed concrete specialists (gunite, spritz-beton) to consolidate tunnels, hills but also to pump concrete, fibre-reinforced mortars, self-levelling floor screeds, inject cement grouts or special mixes into walls, micro-piles, etc.



B100S equipped with Alko tow bar and overrun device



alimentata da un'autobetoniera

On demand

Synchronized additive screw pump
Thanks to the system created by Bunker, the additive output is always proportional to the concrete output.



Hydrogen
Gruppo elettrogeno alimentato dal circuito idraulico della macchina.



Dosatore
Dosatore per additivi per cemento cellulare.



Compressor
The pump can be equipped with a 400 l / min. compressor upon request, it will be mounted on the power pack, you'll use it for small plastering jobs or to clean hoses.



Control leds enable easy monitoring.



La velocità del motore Diesel è regolata da una pratica leva.



The screw pump may be readily operated in either forward or reverse, thus enabling the hoses to empty in case of clogging.



Gradual output control ensures accurate injecting and spraying.



The machine can be equipped with a handy low voltage cable remote control.



A large container protects the fuel tank.



Easy to dismount rear light bar.





Foam concrete pumping



Shotcreting a tunnel



B100S
the innovative pumping unit on wheels



A particular feature of the B100S is that all components (hydraulic power-pack, pump, tank, additive dosing pump) are on an easy to tow trailer. A solution that makes your job easier and rises productivity.



Easy to tow