

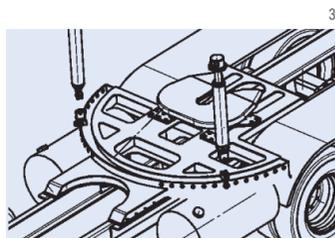
Top class in power and technology – the newly developed BSS 70-5 semi-trailer machine

Optimised down to the finest detail

The new BSS 70-5 combines the world's only 69.3 m vertical reach boom with the latest Putzmeister concrete pump technology – in terms of steel construction, hydraulic systems and electrical systems. In order to be able to deploy a machine of this size, however, a detailed overall concept was required. In terms of load distribution, design of the semi-trailer superstructure or determination of the distance between axles, the Putzmeister team set new benchmarks. With almost 30 years of experience in the design and construction of long-reach boom pumps, Putzmeister now offers its customers the BSS 70-5, a reliable truck-mounted concrete pump which can show strengths precisely in large construction projects.

Reliable stability thanks to innovative support technology (IRS)

For the BSS 70-5, new paths have been forged in the design of the side support and semi-trailer attachment system. The necessary stability for the long-reach boom pump is achieved through the rear swinging support legs and a new forward support system with a special coupling and pivoting kinematics. The "3-point mounting suspension" used as the connection to the semi-trailer makes it possible to use the weight of the



The worldwide only truck-mounted concrete pump of this size in use made in series production

tractor unit as the stationary weight. This design solution reduces the weight required on the Putzmeister semi-trailer and allows the narrowest possible support width. Thus, an angled position be-

tween the truck and the semi-trailer is also possible. This has advantages in awkward construction site situations and enables optimal adjustment to the terrain.



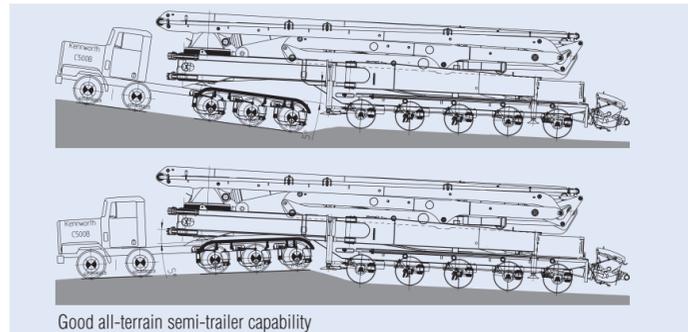
Small support area and up to 65.1 m horizontal reach without load torque limitation!

- 5-arm boom with RZ folding with optimum flexibility – best reach to floors at different heights.
- Without load torque limitation: Working with horizontally extended boom with 360° slewing circle is therefore possible!
- The IRS support system achieves optimal weight and support width thanks to the telescoping front legs.
- Special pivoting kinematics with slewing circle up to OSS position

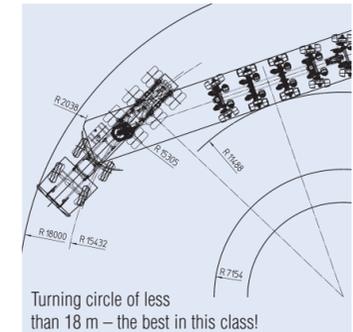
■ OSS (assistance device for one-side support) means that the machine can also be used where there is limited space available.

■ The boom can be completely unfolded above the area where the truck is standing – ideal for work in limited spaces.

■ Boom delivery line consists of max. 3 m pipes for easy handling.



Good all-terrain semi-trailer capability

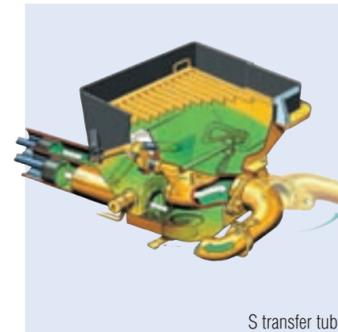


Turning circle of less than 18 m – the best in this class!

Robust technology: pumps, hydraulic system and hopper

- Proven reliability – the S-transfer tube
- Free flow hydraulic system in a closed circuit (almost the only manufacturer)
- Fewer switchovers thanks to large cylinder volumes
- Extremely wear-resistant
- Very smooth running
- Low-maintenance modular pump unit

- High cylinder fill level
- Longer service life thanks to internally chromed delivery cylinders, as standard
- Low hopper fill level of approx. 130 cm (unsupported)
- Operator-friendly hopper
- Powerful pumps available for any application



S transfer tube

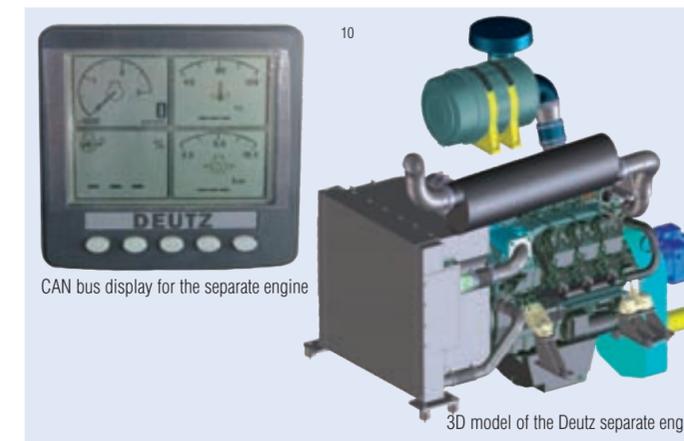


Supplied as standard: Internally chromed delivery cylinders

Top-class equipment as standard

- EPS (Ergonic® Pump System) and EOC (Ergonic® Output Control)
- EBC (Ergonic® Boom Control)
- EGD and EGD-RC (Ergonic® Graphic Display on control cabinet and radio remote control)
- OSS (One Side Support)
- Centralised lubrication system for hopper and arm assembly
- 16 timber blocks
- Support leg illumination
- CAN bus display for the independent power unit
- and much more

- A water-cooled, turbo-charged Deutz V6 (TCD2015) diesel separate engine with 330 kW (450 HP) supplies the boom and core pump with the necessary power.
- The engine with 11,900 ccm and 2000 Nm torque (at 1,300 rpm) provides high performance with low fuel consumption and complies with TIER 3.



CAN bus display for the separate engine

3D model of the Deutz separate engine

