

SP 7000

Stationary concrete pump



| | |
|----------------------|--|
| Concrete output | max. 113 m ³ /h |
| Pressure on concrete | max. 162 bar |
| Engine output | 250 - 310 kW |
| Machine weight | 8,800 - 9,300 kg 19,400 - 20,500 lb |



RECORD BREAKING ENGINEERING

The SP 7000 from SCHWING

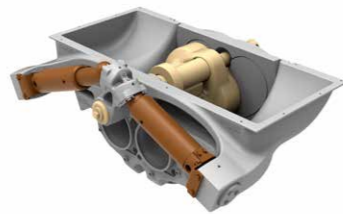
Great performance for great projects

SP 7000
Stationary concrete pump

High delivery rate, proven technology and the L-ROCK valve for up to 162 bar pressure on concrete: the SP 7000 from SCHWING offers everything in order to be able to pump large quantities of concrete in a reliable and safe way across long distances or at great heights. It thus supports the execution of demanding construction projects all over the world and proves itself even under extreme operating conditions with power and reliability. The SP 7000, manufactured in Germany, used worldwide.



Low-wear concrete valve
With a delivery rate of up to 113 m³/h and a pressure on concrete of up to 162 bar, the L-ROCK valve of the SP 7000 is the right solution when large quantities of concrete must be pumped at great heights or across long distances. On the other hand, the maintenance costs of the ROCK gate valve are low thanks to its legendary robustness and long service life. The service costs therefore remain low and the availability of the SP 7000 high.



Efficient cooling system
The generously dimensioned cooling system provides optimum operational safety and ensures, with its hydrostatically driven ventilator and the large-volume hydraulic tank, maximum pump power even at high temperatures.



Short service times
More productivity with optimum maintenance accessibility: the maintenance flaps of the SP 7000 can be unlocked and opened with only one hand. All maintenance points are easily accessible and the serviceable components are conveniently and ergonomically arranged. The tank nozzles attached to both sides guarantee that the SP 7000 D can be quickly refuelled on any jobsite.

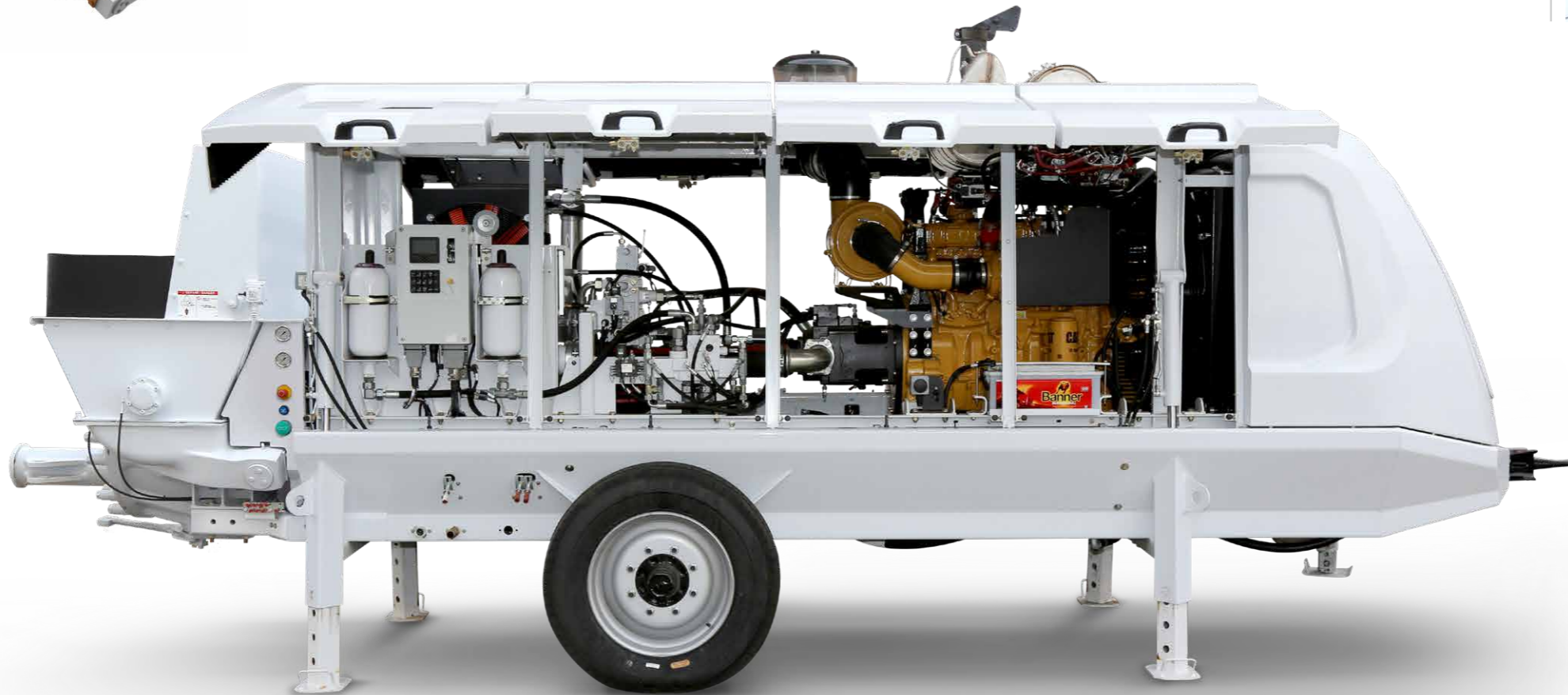


Smart Switch

The innovative new optional SmartSwitch function allows switching from maximum delivery rate (rod-side) to maximum pump pressure (piston-side) at the touch of a button and without all the messy exchanging of hoses: quick, easy and secure.

EcoClean

The EcoClean procedure allows the placement of all concrete inside the pipeline for high-rise pumping. This reduces the amount of concrete needed as well as disposal costs, increasing the efficiency of the concrete pour. All SCHWING stationary pumps are equipped ready for the EcoClean procedure ex-factory.



Motors for every need
The SP 7000 has various drives which combine maximum pump output with high efficiency:

- Diesel engine in the IIIA/Tier 3 exhaust emission category with 280 kW output
- Diesel engine in the IV/Tier 4f exhaust emission category with diesel particulate filter and SCR system and 298 kW output
- Emission-free electric motor of efficiency class IE 3 with 250 kW output

Increased operating comfort
The clear operating structure and large-format colour display of the machine control allow for easy and intuitive operation of the SP 7000. Machine data, operating modes and selected settings can be retrieved quickly and various parameters can be changed. The integrated diagnosis system supports safe operation and alerts the operator to the maintenance intervals.



High-performance hydraulic system
The open twin-circuit hydraulic system of the SP 7000 converts the high drive power into high pumping power efficiently and with low loss. The 700 litre hydraulic tank provides a long oil service life and a high heat dissipation capacity. As such, even in the case of extreme ambient temperatures, a constantly high pumping power is guaranteed.



SP 7000 Stationary concrete pump



Technical data

| Designation | | SP 7000 D Stage IIIA/Tier 3 | SP 7000 D Stage V/Tier 4f | SP 7000 E |
|--------------------------------------|---------|--|--|--|
| Weight | kg / lb | 8,800 / 19.400 | 9,300 / 20.500 | 9,100 / 20.050 |
| Length | mm | 7,270 | 7,270 | 7,270 |
| Height | mm | 2,820 | 2,700 | 2,420 |
| Width | mm | 2,180 | 2,180 | 2,180 |
| Performance | | rod-sided | piston-sided | |
| Pump kit | | P2020 | | |
| Differential cylinders | mm | 200 x 2,000 | | |
| Concrete output max. | m³/h | 113 | 74 | |
| Pressure on concrete max. | bar | 102 | 162 | |
| Stroke rate max. | 1/min. | 30 | 20 | |
| Concrete valve | | L-ROCK | | |
| Hydraulic system | | | | |
| Design | | open system, dual-circuit hydraulics | | |
| Hydraulic tank | l | 700 | | |
| Motors | | | | |
| Engine type | | Diesel engine CAT C9 | Diesel engine CAT C9.3 | Electric motor |
| Engine power | kW | 310 | 310 | 250 |
| Emission standard / efficiency class | | Stage IIIA/Tier 3 | Stage V/Tier 4f | IE3 |
| Emission control system | | - | DPF + SCR | - |
| Fuel tank | l | 400 | 400 | - |
| Equipment | | | | |
| Standard equipment | | <ul style="list-style-type: none"> · Pump kit P2020 · Dual-circuit hydraulic system · Double pressure accumulator · Hydrostatically driven fan · Fuel tank with double-sided tank nozzles | <ul style="list-style-type: none"> · Cable remote control with 30 m cable · Four lashing eyes at the bottom · Four attachment points at the top · Central greasing strip at the hopper · Emergency-off button at the hopper and water box | <ul style="list-style-type: none"> · Batteries 2 x 12 v, each with 143 Ah (on-board voltage: 24 V) · Supporting leg, two-stage · Pressure gauge for hydraulic pressure and for accumulated charge pressure · Carbide wearing parts |
| Options | | <ul style="list-style-type: none"> · Water pump · Hydraulic outriggers · Concrete vibrator on the grid · Compressor | <ul style="list-style-type: none"> · Hydraulic control unit (f. e. for driving a shut-off valve) · SmartSwitch · Radio control | <ul style="list-style-type: none"> · Various outlet options · Floodlight · Central lubrication system |

Maximum concrete output and maximum pressure on concrete cannot be achieved simultaneously.
DPF: Diesel particulate filter; SCR: selective catalytic reduction

SCHWING stationary concrete pumps.
Performance and safety at all levels.



SCHWING
Stetter

SCHWING GmbH
Heerstrasse 9-27 · 44653 Herne, Germany
Phone +49 23 25 - 987-0 · Fax +49 23 25 - 72922
www.schwing-stetter.com · info@schwing.de

Stetter GmbH
Dr.-Karl-Lenz-Strasse 70 · 87700 Memmingen, Germany
Phone +49 83 31 - 78-0 · Fax +49 83 31 - 78 275
www.schwing-stetter.com · info@stetter.de

Subject to technical and dimensional modifications. Illustrations are non-binding. The exact standard specification, the scope of delivery and the technical data are detailed in the offer.