

SP 7500

Stationary concrete pump



Concrete output	max. 91 m ³ /h
Pressure on concrete	max. 243 bar
Engine output	250 - 310 kW
Machine weight	8,900 - 9,400 kg 19,600 - 20,700 lb



RECORD BREAKING ENGINEERING

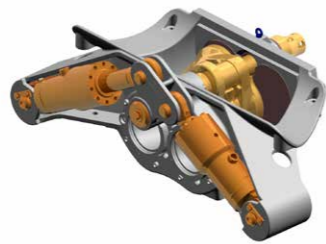
The SP 7500 from SCHWING

Reliable maximum performance

High delivery rate, proven technology and the HP-ROCK valve for up to 243 bar pressure on concrete: the SP 7500 from SCHWING offers everything in order to be able to pump large quantities of concrete in a reliable and safe way across very long distances or at extreme heights. It thus supports the execution of unusual construction projects all over the world and proves itself even under extreme operating conditions with power and reliability. The SP 7500, manufactured in Germany, used worldwide.

Low-wear concrete valve

When concrete must be pumped at great heights or across large distances, the HP-ROCK of the SP 7500, with a pressure on concrete of up to 243 bar, is the right solution. Potentially record-breaking are also the low maintenance costs of the ROCK valve, thanks to its legendary robustness and long service life. The service costs therefore remain low and the availability of the SP 7500 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 7500 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 7500 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.

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 7500. 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.



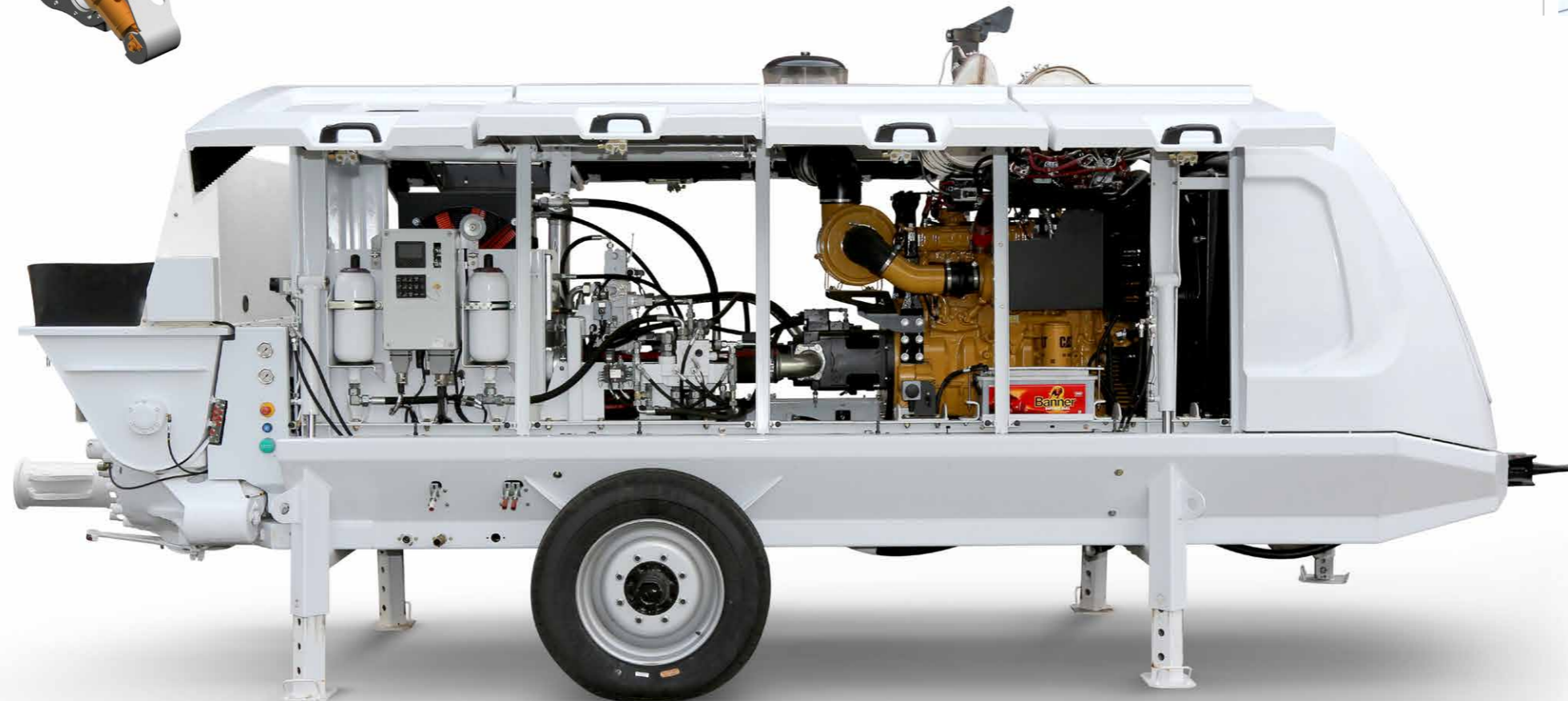
High-performance hydraulic system

The open twin-circuit hydraulic system of the SP 7500 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.



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Motors for every need

The SP 7500 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

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Technical data

Designation		SP 7500 D Stage IIIA/Tier 3	SP 7500 D Stage V/Tier 4f	SP 7500 E
Weight	kg / lb	8,900 / 19.600	9,400 / 20.700	9,200 / 20.300
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		P2018		
Differential cylinders	mm	180 x 2,000		
Concrete output max.	m ³ /h	91	60	
Pressure on concrete max.	bar	156	243	
Stroke rate max.	1/min.	22	14	
Concrete valve		HP-ROCK		
Hydraulic system				
Design		open system, dual-circuit hydraulics		
Hydraulic tank	l	700		
Motors				
Engine type		Diesel engine CAT C9.3B	Diesel engine CAT C9.3B	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"> · High-pressure pump kit P2018 · 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 · VarioPressure (limitation of the output pressure)

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.



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