



**SCHWING**  
**Stetter**

# SP 3800

## Stationary concrete pump



Concrete output	max.	113 m <sup>3</sup> /h
Pressure on concrete	max.	162 bar
Engine output		200 - 240 kW
Machine weight		8,300 - 8,800 kg 18,300 - 19,400 lb



RECORD BREAKING ENGINEERING

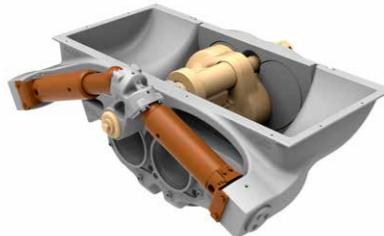
# The SP 3800 from SCHWING

## Performance and reliability

With a concrete output of up to 113 m<sup>3</sup> / h and a pressure on concrete of up to 162 bar, the SP 3800 from SCHWING is the reliable and safe solution for concrete pumping in medium and large construction projects. The standard dual-circuit hydraulic system ensures smooth pumping, fast shift-over and high pump performance combined with excellent energy efficiency. Like all SCHWING concrete pumps, the SP 3800 offers short maintenance times, an unrivaled low wear and a high product quality. For higher machine availability and more reliability for every pour.

### Low-wear concrete valve

The legendary low wearing ROCK valve guarantees extremely long operating times and very low service costs. The optimum geometry of the ROCK reduces the friction of the concrete flow. Its robustness also allows the pumping of demanding mixtures like concrete with low water-cement ratio.



SP 3800 D Stage V/Tier 4f



### Stationary concrete pump

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.



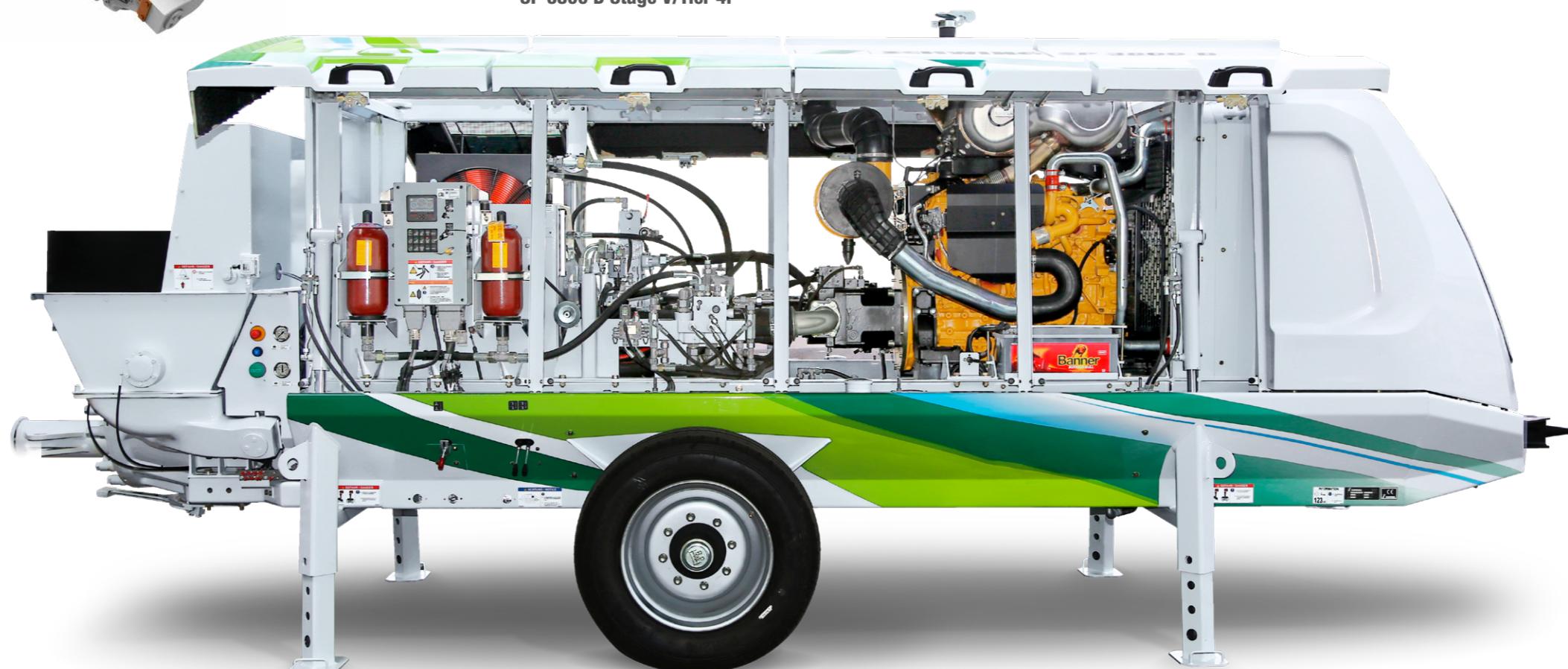
### Short service times

More productivity with optimum maintenance accessibility: the maintenance flaps of the SP 3800 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 3800 D can be quickly refuelled on any jobsite.



### Smart Switch

The optional SmartSwitch function allows switching from maximum delivery rate (rodside) to maximum pump pressure (pistonside) 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 Eco-Clean 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 3800. 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 dual-circuit hydraulic system of the SP 3800 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.



MADE IN GERMANY  
by SCHWING-Stetter

### Motors for every need

The SP 3800 has various drives which combine maximum pump output with high efficiency:

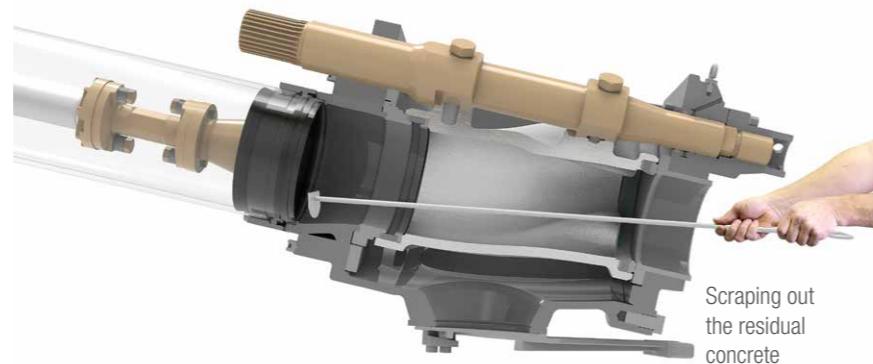
- Diesel engine in the IIIA/Tier 3 exhaust emission category
- Diesel engine in the V/Tier 4f exhaust emission category with diesel particulate filter and SCR system
- Emission-free electric motor of efficiency class IE 3

# SP 3800 Stationary concrete pump

## The ROCK

### Faster clean with less water.

Due to its straight design, in comparison to other concrete valves, the ROCK valve is easier and quicker to clean. It also provides a direct view into the delivery cylinder and of the pumping pistons. The pump kit can therefore be cleaned easily and conveniently within just two strokes. This saves water and reduces the time needed for cleaning.



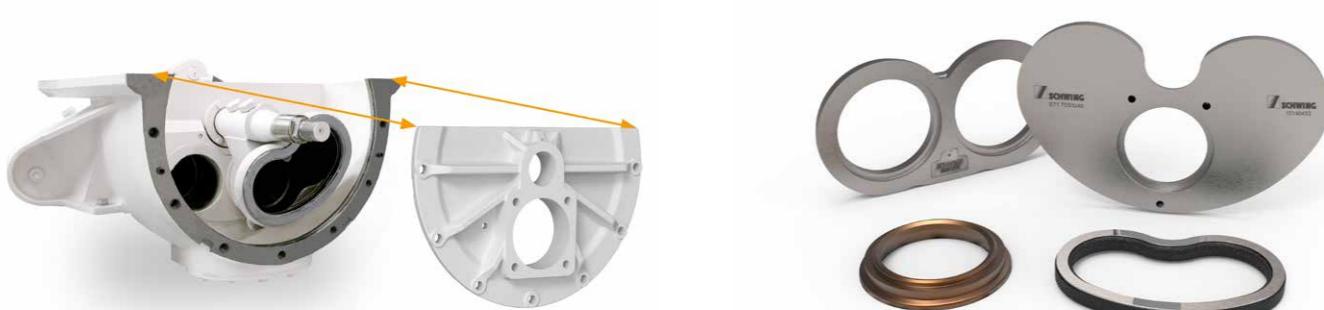
### Intelligent wear protection.

The wear in the concrete valve is particularly high as the concrete is fed into the outlet at high pressure. In order to minimize this wear, at the most heavily loaded point of the ROCK concrete does not rub on steel, but rather on concrete. This is because the intelligent design of the ROCK leads to the formation of a concrete triangle after each shift. Protected by this concrete layer, the ROCK has a significantly longer service life than other concrete valves. For noticeably more profit per m<sup>3</sup>.



### Easy maintenance.

The ROCK valve not only has a significantly longer service life than other concrete valves, it is also easier to maintain. After removing the housing cover, the wear parts are easily accessible and can be replaced quickly and safely. Time-consuming adjustment work is not required after replacement. And the number of wearing parts at 15 with the ROCK valve is just half as high as with other concrete valves. The maintenance of the ROCK valve: simple, fast and safe.



## Options

### Outlet options



For the connection of the pipeline chosen for the project (DN 100, DN 125 or DN 150) to the outlet of the SP 3800 (DN 150), suitable output options are available.

### Hydraulic control unit



Components, such as a shut-off valve, can be easily operated by the SP 3800 (with up to 210 bar and up to 30 l/min) via the hydraulic control unit.

### Remote controls



Cable remote control with 30 m cable

Radio remote control

### Hydraulic outriggers



With the hydraulic outriggers, the SP 3800 can be jacked up easily and safely. For an exact alignment of the pump the outrigger legs can be controlled individually.

### More options

- Floodlight
- SmartSwitch
- Concrete vibrator on the grid
- Water pump

### Standard equipment

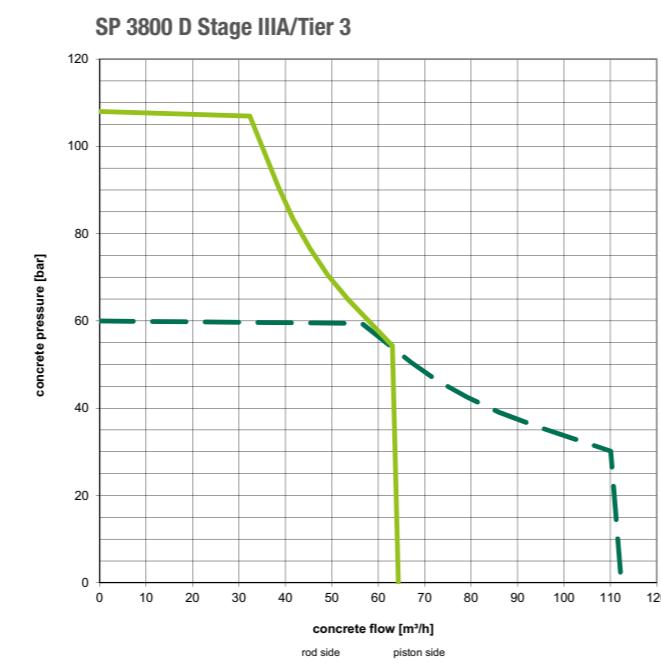
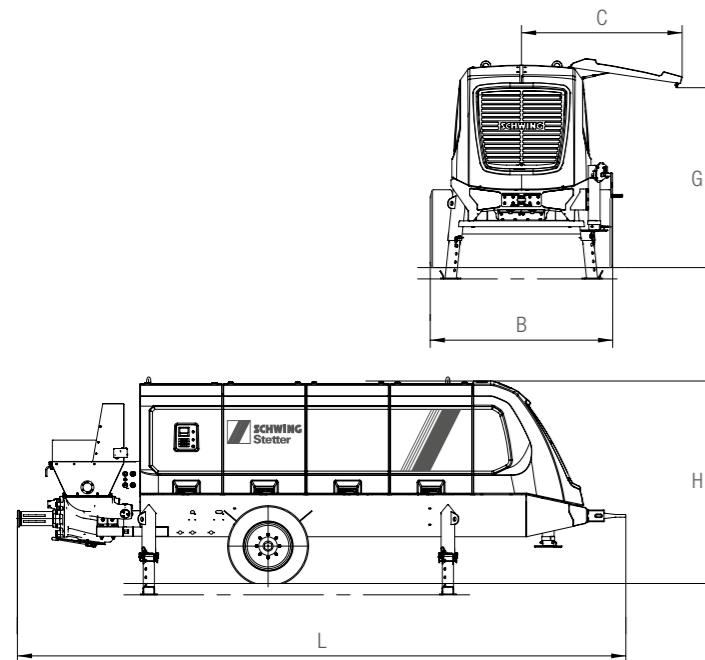
- Dual-circuit hydraulic system
- Four attachment points at the top
- Double pressure accumulator
- Central greasing strip at the hopper
- Hydrostatically driven fan
- Emergency-off button at the hopper and water box
- Fuel tank with double-sided tank nozzles
- Batteries 2 x 12 v, each with 143 Ah
- Chromed delivery cylinders
- Supporting leg, two-stage
- Four lashing ryes at the bottom
- Pressure gauge for hydraulic pressure and for accumulated charge pressure
- Carbide wearing parts

## SP 3800 Stationary concrete pump

# Technical data

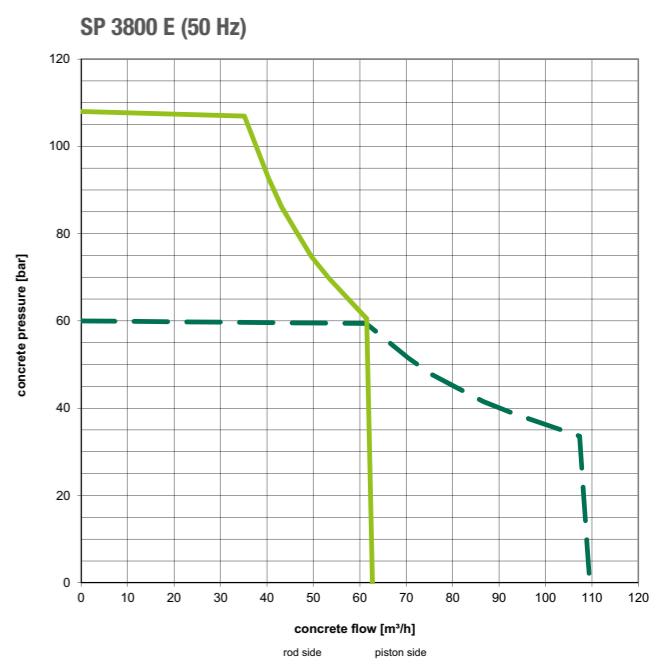
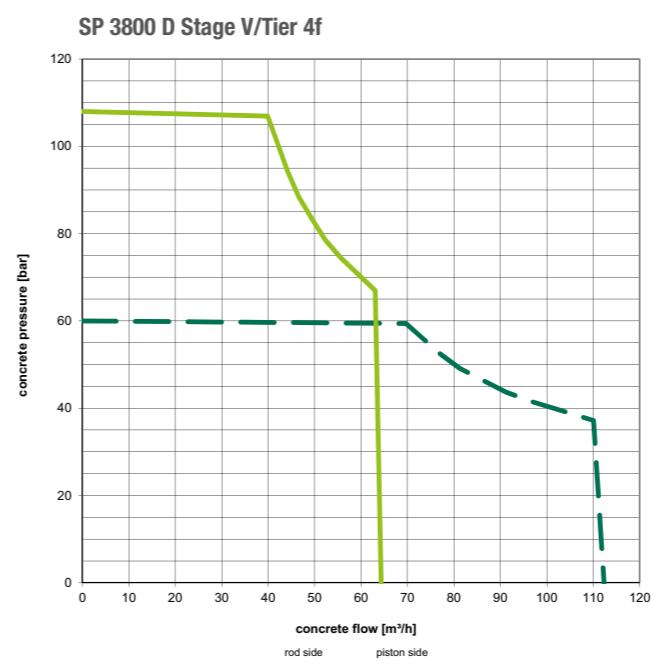
Designation	SP 3800 D Stage IIIA/Tier 3		SP 3800 D Stage V/Tier 4f	
Weight	kg	8,300	8,800	
Length (L)	mm	7,270	7,270	
Height (H)	mm	2,820	2,700	
Width (B)	mm	2,180	2,180	
Width (C)	mm	2,760	2,760	
Height (G)	mm	2,150	2,150	
Performance	rod-sided	piston-sided		
Pump kit		P2020		
Delivery cylinders	mm	200 x 2,000		
Concrete output max.	m³/hr	100	66	
Pressure on concrete max.	bar	102	162	
Stroke rate max.	1/min.	27	17	
Concrete valve		L-ROCK		
Hydraulic system				
Design		open system, dual-circuit hydraulics		
Hydraulic tank	l	700		
Motors				
Engine type		Diesel CAT C7.1	Diesel CAT C7.1	
Engine power	kW	205	205	
Emission standard		Stage IIIA/Tier 3	Stage V/Tier 4f	
Emission control system	-		DPF + SCR	
Fuel tank	l	400	400	

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



Designation	SP 3800 E (50 Hz)		SP 3800 E (60 Hz)		
Weight	kg	8,500	8,500		
Length (L)	mm	7,270	7,270		
Height (H)	mm	2,420	2,420		
Width (B)	mm	2,180	2,180		
Width (C)	mm	2,760	2,760		
Height (G)	mm	2,150	2,150		
Performance	rod-sided	piston-sided	rod-sided	piston-sided	
Pump kit		P2020		P2020	
Delivery cylinders	mm	200 x 2,200	200 x 2,200		
Concrete output max.	m³/h	100	65	100	65
Pressure on concrete max.	bar	102	162	102	162
Stroke rate max.	1/min.	27	17	27	17
Concrete valve		L-ROCK		L-ROCK	

Designation	Hydraulic system	
Design	open system, dual-circuit hydraulics	
Hydraulic tank	l	700
Motors		
Engine type	Electric motor	Electric motor
Engine power	kW	200
Frequenz	Hz	50
Efficiency class	IE3	IE3





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



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