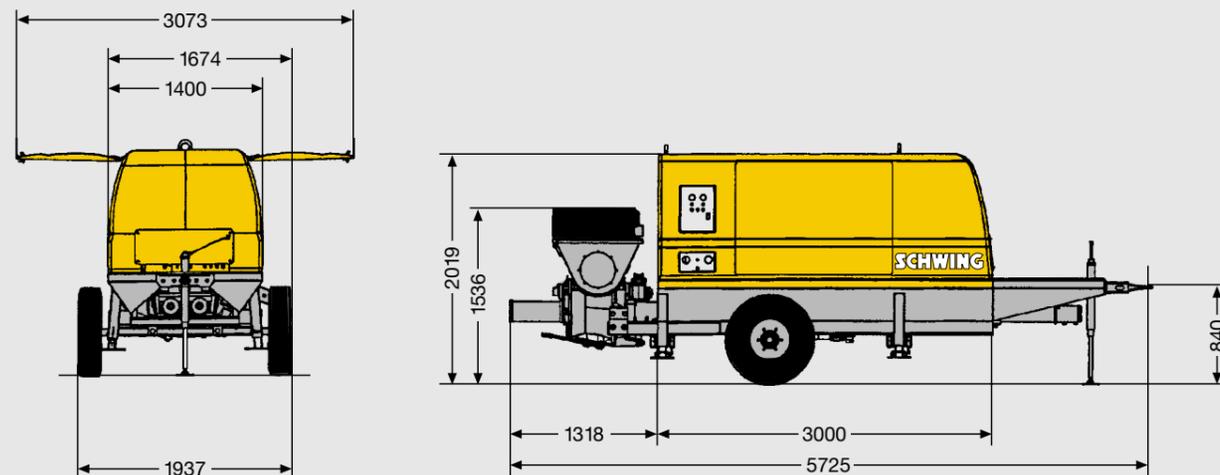


Technical Data

Model	SP 2800		SP 2800		SP 2800	
mm	200/120		200/120		200/120	
Technical parameter	2750		3300		3225	
Engine/motor capacity	kW E 110		E 132		D 129	
Nominal speed	min ⁻¹ 1500		1500		2300	
Pumping cylinder, Ø x stroke	mm 200 x 1600		200 x 1600		200 x 1600	
Stroke volume, 2 cylinders	l 50.27		50.27		50.27	
Diff. cylinders, Ø x stroke	mm 120 / 80 x 1600		120 / 80 x 1600		120 / 80 x 1600	
Diff.cylinder drive *	P	R	P	R	P	R
Max. number of strokes per min.	19	33	19	33	19	33
Max. theor. concrete output	m ³ /h 58 101		58 101		58 100	
Max. concrete pressure	bars 108 60		108 60		108 60	
Capacity of charging hopper	l 320 570		320 570		320 570	
Dead weight incl. oil and fuel	kg 5000		5000		5000	

*P= piston side, R= rod side

Dimensions in mm



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Subject to modifications in the
interest of technical progress.
Details of the standard extent of supply
are to be drawn from the offer.

Portable concrete pump

SP 2800



SP 2800 – high-performance in the robust compact-class. Output 101 m³/h and concrete pressure up to 108 bars.

The SP 2800-“highend” machine in the compact-class with 132 kW engine power. Concrete pumps in this class are the true all-rounder on everyday jobsites, where the greatest total mass of concrete is pumped – day by day, worldwide.

Therefore the SP 2800 is designed with a whole row of excellent features in usual SCHWING quality. As on all SCHWING concrete pumps, the SP 2800 has an output-governed hydraulic pump that ensures that the prime mover is never overloaded. The automatic governor splits available engine/

motor output optimally into oil flow and oil pressure and allows the concrete pump to run at the best possible output level. At the same time, the manual de-stroker valve can be used to set the pump to a required fine tuning to set stroke rate and output independent of the automatic governor.

The open circuit, combined with the SCHWING designed “Hi-Flow” spool block ensures minimum heat generation in the hydraulics, therefore negligible output losses and minimum stress for the hydraulic components. During short breaks in pumping, the main control spool is shifted to “idle circuit” so that

all of the oil coming from the hydraulic pump flows pressureless back to the tank, thereby making a further contribution towards keeping oil temperatures low. On SCHWING pumps, there is no feed pump that runs on continually and turns valuable energy into wasteful heat.

As a second function, the main spool also isolates the drive circuits from the concrete pump system. In this way the concrete cylinders are “parked” and support the column of concrete in the pipeline. No danger of the concrete slipping back, segregating and overflowing out of the hopper.

Rock valve
The heart of the concrete pump is the Rock valve, patented in almost all industrialized countries. It offers exemplary pumping characteristics, wearing properties and operational safety.



The canopy
The SP 2800 has a robust glass-fibre reinforced canopy. Such an impact resistant cover is rot and rust-proof, easy to keep clean and is logically maintenance free.

Stabilizers
Four oblique square-tube stabilizers are anchored into the pump’s main frame. They have multi-settings to give the pump a solid stance even on uneven ground. Optional hydraulic stabilizers are also available and have their cylinders stowed safely under the pump canopy.



Hydraulics
Direct high-torque drive on to the agitator shaft as well as robust design of all hydraulic components in conjunction with constant flow micro-filtering of the hydraulic oil ensure operational reliability and a long service life.



Maintenance
A central bank of grease nipples supplies grease to all of the lube points on agitator and Rock valve.



Remote control
The SP 2800 comes complete with a 10 m cable remote control as a standard feature.

Diesel engine
The diesel version of SP 2800 utilizes the newest generation of Deutz diesel engines. They are characterized by low noise emission, low fuel consumption and exhaust levels complying with the European Directive EU-RL 97/68.

