

TP 100

Compact pump



SCHWING-POWER

for screed, mortar,
fine concrete,
concrete...

Output	max.	20 m ³ /h
Output pressure	max.	85 bar
Grain size	max.	25 mm
Engine output		30 - 35 kW
Machine weight		< 2,000 kg / 4,400 lb

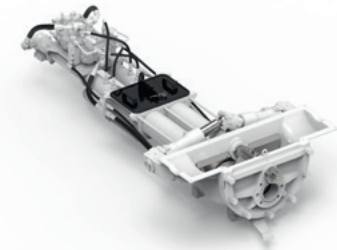


RECORD BREAKING ENGINEERING

The TP 100 from SCHWING Mobile Power

The TP 100 trailer pump from SCHWING is the mobile powerhouse for construction sites where screed, mortar, fine concrete and concrete with a grain size of up to 25 mm is conveyed efficiently and reliably. Developed from more than 60 years of experience of the construction of concrete pumps and equipped with proven SCHWING components, the TP 100 is the reliable and resilient companion for craftsmen, construction companies and rental companies. The ROCK valve known from truck-mounted concrete pumps and stationary pumps also excels in the TP 100 due to its fast, water-saving cleaning, low wear and tear and extremely easy maintenance. The TP 100: mobile performance and reliability from Germany.

TP 100 Compact pump



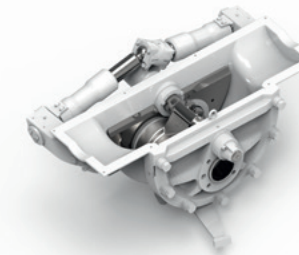
Pump kit

Using the powerful P0615 pump battery with piston-side connection, the TP 100 achieves an output of up to 20 m³ per hour and a maximum output pressure of up to 85 bar. Its high delivery rate and compact dimensions open up a wide range of applications for the TP 100.



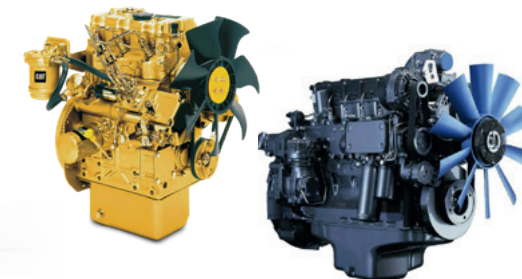
ROCK valve

The XS-ROCK, especially developed for the TP series, enables the problem-free delivery of building materials (screed, mortar, fine concrete, concrete) with a maximum grain size of up to 25 mm. Like all ROCK valves, it has a significantly lower wear compared to other valve systems due to its intelligent design. It is also quick to clean and is demonstrably easier to maintain.



Maintenance

More productivity through optimum maintenance accessibility: the large maintenance flap of the TP 100 can be unlocked and opened with just one hand. All maintenance points are easily accessible thanks to the wide swivel-back mechanism. All lubrication points can be reliably supplied with lubricant manually via the standard central lubrication point.



Motors for every need

Two diesel engines with different exhaust levels and an electric motor are available for the TP 100 drive. The motors ensure high delivery rates and low operating costs due to their performance, efficiency and reliability.



The EcoClean process allows all of the conveying material in the pipeline to be used at the point of placing. This reduces the amount of material needed as well as disposal costs, increasing the efficiency of the material pour. All SCHWING pumps are equipped ready for the Eco-Clean procedure ex-factory.

Operation

The clear operating structure and large-format colour display of the machine control allow for easy and intuitive operation of the TP 100. 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.



Hydraulic system

The key hydraulic components of the TP 100, such as the valve block and the differential cylinders, are developed and manufactured by SCHWING. Their generous dimensions and the open SCHWING hydraulic system guarantee a low-loss conversion of the engine power into the delivery rate. Result: the renowned high energy efficiency of SCHWING pumps.



Diesel engines

- 34.5 kW power, Stage IIIA/Tier 3 exhaust emission standard
- 34.5 kW power, Stage V/Tier 4f exhaust emission standard, diesel particulate filter

Electric motors

- 30 kW power, 50 Hz, efficiency class IE 3
- 36 kW power, 60 Hz, efficiency class IE 3

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Technical data

Designation		TP 100 Stage IIIA/Tier 3	TP 100 Stage V/Tier 4f	TP 100 E
Weight	kg / lb	2,000 / 4,400	2,000 / 4,400	2,000 / 4,400
Length	mm	4,440	4,440	4,440
Height	mm	1,500	1,500	1,500
Width	mm	1,840	1,840	1,840
Performance		piston-sided	piston-sided	piston-sided
Pump kit		P0615	P0615	P0615
Differential cylinders	mm	150 x 650	150 x 650	150 x 650
Concrete output max.	m ³ /h	20	20	20
Pressure on concrete max.	bar	85	85	85
Stroke rate max.	1/min.	30	30	30
Valve system		XS-ROCK	XS-ROCK	XS-ROCK
Pressure outlet		DN 100	DN 100	DN 100
Grain size max.	mm	25	25	25
Hydraulic system				
Design		open system	open system	open system
Hydraulic tank	l	100	100	100
Motors				
Engine type		Diesel Deutz D 2011 L03	Diesel CAT C1.7	Electro motor
Engine power	kW	34.5	34.5	30
Emission standard / efficiency class		Stage IIIA/Tier 3	Stage V/Tier 4f	IE3
Emission control system		-	DPF	-
Fuel tank	l	75	75	-
Equipment				
Standard equipment		<ul style="list-style-type: none"> · Pump kit P0615 · Roadworthy chassis (EU road approval, 80 km/h) · COC documentation ex works for quick and easy approval of the concrete pump in all European countries 	<ul style="list-style-type: none"> · Central lubrication point at the hopper · Emergency stop button in the control panel at the hopper · 12V battery · Stroke adjustment (electrical) · Horn button in the control panel at the hopper 	<ul style="list-style-type: none"> · 2 rear supporting legs, 1 front supporting wheel · Pressure gauge to display the hydraulic pressure · Ball coupling
Options		<ul style="list-style-type: none"> · High-pressure cleaner · Vibrator on the grid · VarioPressure (limitation of the output pressure) 	<ul style="list-style-type: none"> · Radio remote control · Height-adjustable draw unit · Cable remote control with 30 m cable 	<ul style="list-style-type: none"> · DIN coupling · Floodlight · Automatic central lubrication system

Maximum concrete output and maximum pressure on concrete cannot be achieved simultaneously.
DPF: Diesel particulate filter

Compact pumps from SCHWING.
The mobile power.



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