



**hybrid**

# SCHWING hybrid

Faced with the global challenge of reducing the carbon footprint due to climate change, SCHWING has set itself the task of developing innovative approaches, new technologies and a fundamental expansion of drives to enable the transition to a low-carbon drive architecture.

The choice is yours. With the new SCHWING hybrid technology, concrete pumping is carried out electrically or, if required, with a proven Diesel drive. In electric mode, the concrete pump draws its power externally. You can choose between the 32 A, 63 A and 125 A connection types commonly used on construction sites. Optionally, a second connection can be used to combine electrical power up to a total output of 125 A.

With SCHWING hybrid, we are paving the way to a climate-friendly future together.

**S 43 SX hybrid**



# The clean, efficient solution

The SCHWING hybrid concept clearly emphasises efficiency. This is achieved through a new drivetrain architecture. The SCHWING hybrid concept achieves maximum pumping performance in electric mode. The new hybrid pump train also further increases the familiar high efficiency in Diesel operation.

**Electric engine / generator**

The unit serves as a motor in electric mode and as a generator in Diesel mode.

**Boom pump**

with remotely adjustable torque limiter



**Electrical connected loads and combinations<sup>\*)</sup>**

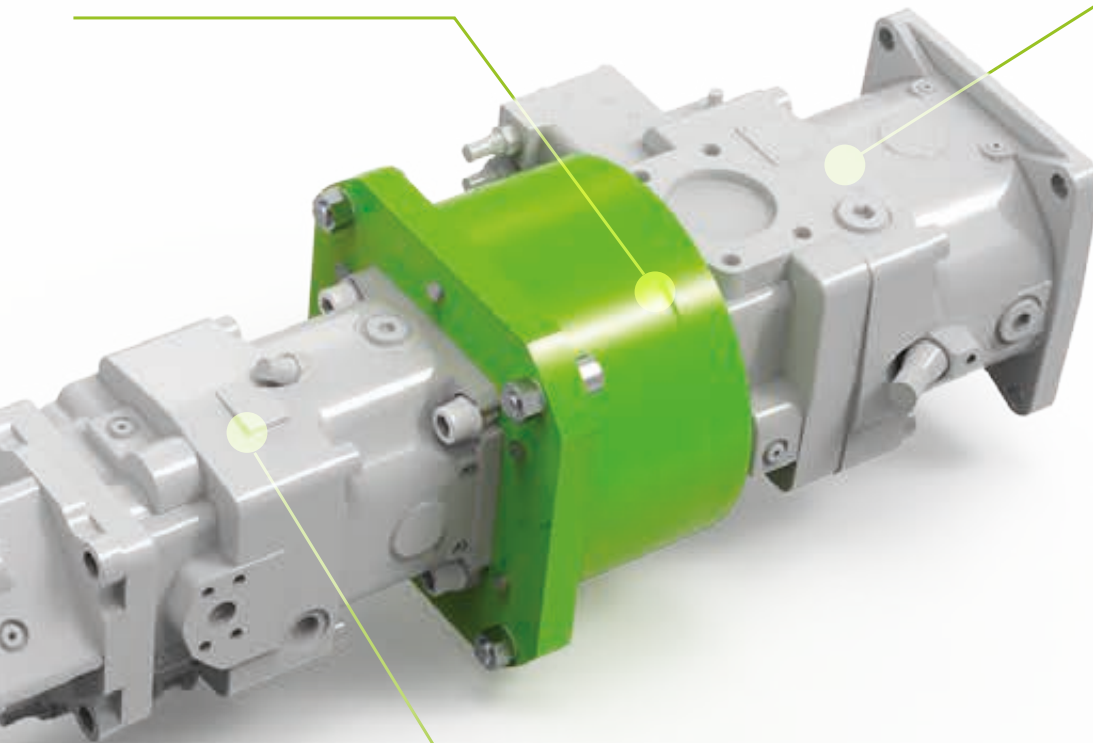
Connection 1	Connection 2 (optional)	
	32A	63A
32A	•	•
63A	•	•
125A		•

<sup>\*)</sup> The maximum total connected load is 125A

## Switchable clutch

To avoid drag losses, consumers that are not required during electrical operation are switched off. Less loss means more power and a higher concrete delivery volume.

Concrete pump drive: Diesel



Concrete pump drive:  
Electric or Diesel

# Optimised performance and connection variety

**A completely new power management system increases efficiency and ensures optimum utilisation of the available electrical connected load.**

As an option, SCHWING offers the combination of two power connections, which can be freely combined for a power increase of up to 125 A. The SCHWING software automatically determines the optimum parameters for the drive power of the truck-mounted concrete pump for the selected combinations.

# Inner values

Thanks to an intelligent room layout, all the tried and tested components for operation are positioned in such a way that the familiar principle of the SCHWING truck-mounted concrete pump is retained.



## Supply control

The water tank can be filled and emptied and the water pump, agitator, spray hose, high-pressure cleaner and compressor can be controlled via the standardised supply control.

The standard for all SCHWING truck-mounted concrete pumps for greater clarity and user-friendliness



## Cable drum

The cable drum is easily accessible. This means that purely electrical operation can be started directly on the construction site. Set-up times are minimised



**Connected load at a glance:**  
With the new electronic control system, the machine operator is always well informed about the various electrical connections and connected loads.



### Sophisticated operation

The potentiometer for the flow rate has a new subdivision in  $\text{m}^3/\text{h}$  (0–100%) in the control unit. The engine speed is only increased when the pump is fully swivelled out. The optimum speed for the storage, agitator and cooling pump is set depending on the currently measured delivery rate of the two drive pumps for the concrete pump.



### High-resolution colour display: VECTOR II control unit

The machine operator can call up the machine data, operating statuses and selected settings of the S 43 SX hybrid and change various parameters via the new intuitive VECTOR II control system.

The integrated diagnostics system ensures safe operation and alerts the operator to maintenance intervals..





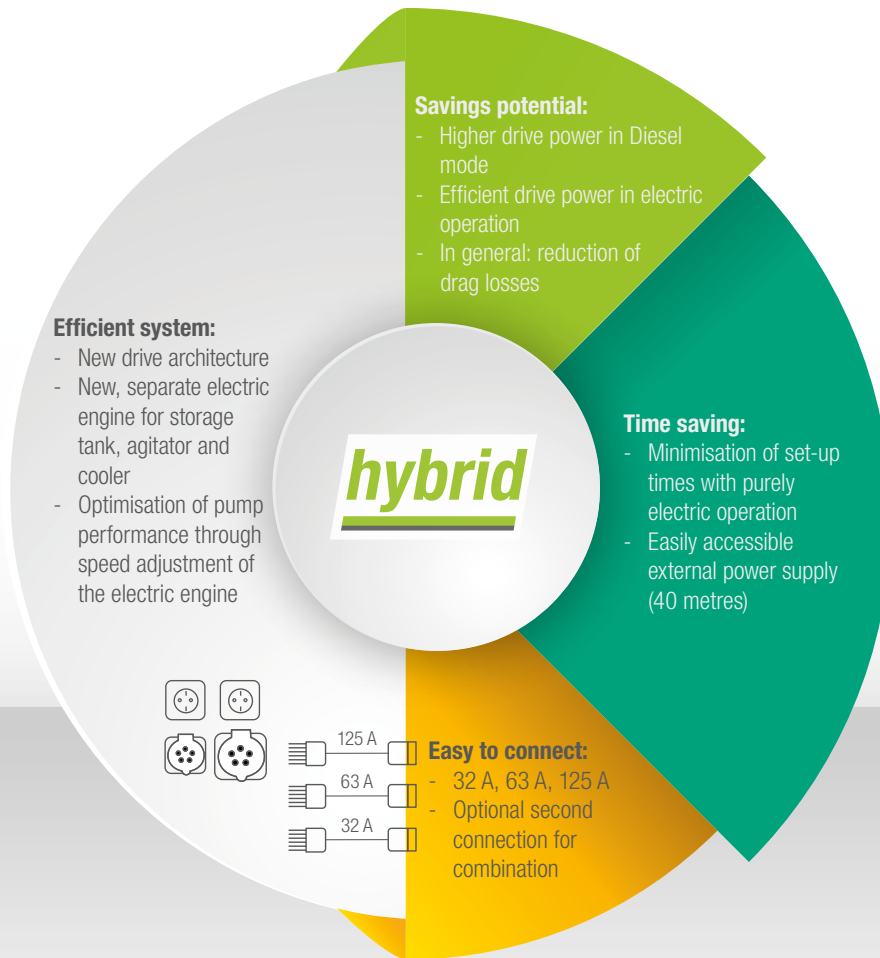
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SCHWING concrete pumps. Efficiency as standard.



SCHWING GmbH  
 Heerstraße 9-27 · 44653 Hernet Germany  
 Phone +49 2325 987-0 · Fax +49 2325-72 922  
 www.schwing-stetter.com · info@schwing.de

Stetter GmbH  
 Dr.-Karl-Lenz-Straße 70 · 87700 Memmingen, Germany  
 Phone +49 8331-78-0 · Fax +49 8331-78 275  
 www.schwing-stetter.com · info@stetter.de

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