

# Stationary Concrete Pump

This stationary concrete pump is designed for efficient and reliable concrete placement. It features a robust construction, ensuring durability and long-term performance.



## ADDITIONAL IMAGES



## Overview



Suitable for various infrastructure projects including bridges and high-rise buildings

### High-Performance Stationary Concrete Pump

The SP80.18.186D is a high-capacity stationary concrete pump engineered for demanding construction projects including high-rise buildings, bridges, and infrastructure. It features an advanced hydraulic system and a powerful 186 kW engine to ensure consistent, reliable concrete delivery even in complex job sites. With intelligent control systems and high-pressure capabilities, this unit optimizes fuel efficiency and pumping precision for increased productivity.

## Technical Specifications

### Performance Metrics

**85 m³/h**

Max Theoretical Output (Low Pressure)

**50 m³/h**

Max Theoretical Output (High Pressure)

**10 MPa**

Max Pressure (Low)

**18 MPa**

Max Pressure (High)

### Mechanical Dimensions

Component	Specification
Concrete Cylinder (Bore x Stroke)	∅200x 1800 mm
Hopper Capacity	0.7 m³
Feeding Height	1410 mm
Dimensions (L x W x H)	7130 x 2060 x 2680 mm
Total Weight	7300 kg

## Power and Hydraulics

The diagram illustrates the advanced hydraulic and pumping system architecture, divided into four main sections:

- 1. 液压系统 (HYDRAULIC SYSTEM):** Features a one-button twin piston return mechanism for efficient operation and a hydraulic integration block for streamlined fluid control.
- 2. 泵送系统 (PUMPING SYSTEM):** Utilizes extreme wear-resisting technology to ensure long-term durability and consistent performance.
- 3. 发动机 (ENGINE):** Equipped with a 186 kW rated power and 2100 r/min speed, providing robust energy for the pumping process.
- 4. 电气系统 (ELECTRIC SYSTEM):** Incorporates intelligent electric control with real-time monitoring capabilities for enhanced safety and efficiency.

Advanced hydraulic and pumping system architecture

### Engine and Power

- Rated Power: 186 kW
- Rated Speed: 2100 r/min
- Hydraulic Circuit: Open Circuit
- Cooling System: Air Cooling

## Key Features

The diagram highlights the intelligent electric control system with real-time monitoring, featuring:

- 3. 动力系统 (POWER SYSTEM):** Includes a 186 kW rated power engine and a 2100 r/min rated speed, ensuring high performance and reliability.
- 4. 电气系统 (ELECTRIC SYSTEM):** Features intelligent electric control with real-time monitoring, enabling proactive maintenance and system optimization.

Intelligent electric control system with real-time monitoring

### Operational Advantages

One-button twin piston return, Hydraulic integration block, Commutation buffer technology, One-button high/low pressure switching, Extreme wear-resisting technology, Self-diagnosis system

## Compliance

### Certifications

ISO 9001 • ISO 14001 • OHSMS 18000 • CE Compliance