

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 include one-button twin piston return, hydraulic integration block, and extreme wear-resisting technology.
- 2. 泵送系统 (PUMPING SYSTEM):** Includes a double drive lubrication system and a commutation buffer technology.
- 3. 动力系统 (ENGINE):** Features a high torque density engine and a cooling system.
- 4. 电气系统 (ELECTRIC SYSTEM):** Includes intelligent electric control system with real-time monitoring and a self-diagnosis system.

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 illustrates the intelligent electric control system with real-time monitoring, divided into four main sections:

- 1. 动力系统 (POWER SYSTEM):** Features include high torque density engine and a cooling system.
- 2. 引擎 (ENGINE):** Features include a high torque density engine and a cooling system.
- 3. 液压系统 (HYDRAULIC SYSTEM):** Features include one-button twin piston return, hydraulic integration block, and extreme wear-resisting technology.
- 4. 电气系统 (ELECTRIC SYSTEM):** Includes intelligent electric control system with real-time monitoring and a self-diagnosis system.

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