### **ZOOMLION**



56X-6RZ

**Truck-Mounted Concrete Pump** 

ZOOMLION

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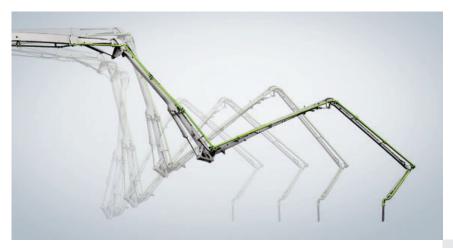
## 56X-6RZ

#### TRUCK-MOUNTED CONCRETE PUMP

Placing boomK56-6RZPumping unitPU1811Driven byPTO Gearbox

Chassis Cabover/Conventional

#### **ZOOMLION | Industry First**



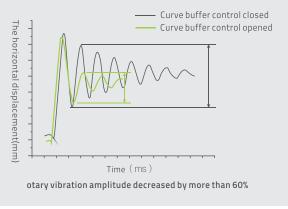
#### **MBIT - The smartest arms**

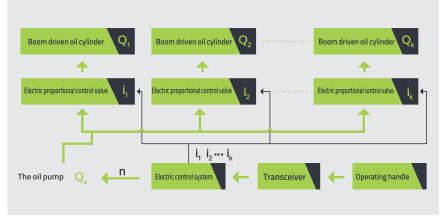
Zoomlion multi-boom intelligent technology is an industry leading, precise boom control technology. Reducing impacts during movement of boom and slewing device by controlling the volume flow of hydraulic oil. Zoomlion intelligent "brain" gives you a smooth and stable control of boom, which ensures your work done safely and precisely.

### **Active Boom Vibration Control Technology (ABC)**

Zoomlion active boom vibration technology is an outstanding innovation, which decreases the vibration of boom enormously. 50-meter and above models are equiped with solenoid valves for damping absorption.

This technology has been tested in complex conditions to reduce the damping of boom by more than 60%. The displacement of boom end has been controlled within 0.4m.





# Intelligent control - Your pumping expert at any time.

Curve-buffer control of boom - gentle start/stop.

Boom hydraulic oil flow automatic matching, oil pump speed automatic adjustment. Boom work more stable and energy-saving.

Auto fault diagnosis - computer keep monitoring any potential riscks.





















#### TRUCK-MOUNTED CONCRETE PUMP

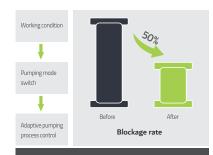
Placing boom K56-6RZ Pumping unit PU1811 Driven by PTO Gearbox

Chassis Cabover/Conventional

#### **ZOOMLION | Industry Innovation**

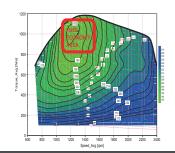


Boom intelligent damping technology: The soft control of booms in starting, slewing and stopping reduces the impacting vibration of booms, which gives the boom more stable operation.



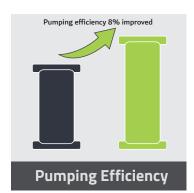
#### **Pumping Performance**

Adaptive Concrete Material Pumping Technology: Improved pumping control system for poor concrete with segregation and big viscosity, and auto-adaptive pumping mode, which reduces the blockage rate by more than 50%.

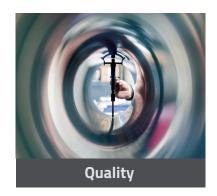


#### Fuel Economy

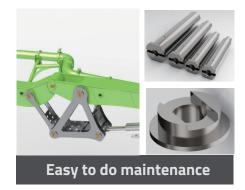
Adaptive Power Distribution Control Technology (APD): Automatically changing power mode according to pumping situation, the engine always work at economic oil consumption area that saves oil by 15% compared to other brands.



Accurate Pumping Control Technology (APC): An industry first, pumping control mode can be changed to match your working situation. Displacement sensor is used to detect and control the movement of pistons. The accuracy of each stroke can be controlled within 99.46%. This advantage cause the pump is more controllable, and pumping efficiency reached an unprecedented level.



ZOOMLION's experimental platform is a world leading platform, guarantees the high quality of ZOOMLION products. The boom structure has been tested no cracks for pumping 450,000 cubic meters concrete or after 8 years using. ZOOM-LION's high quality products gives you confidence and safety at work.



Long life, cost-effective parts are designed to maximize its convenience for tear down and maintenance. Anti-wearing material is used at the wearing position of elbows. Double-layer pipes are used to hold the strong puming performance. These robust parts keep you running in a low-cost and convenient way.



















## 56X-6RZ

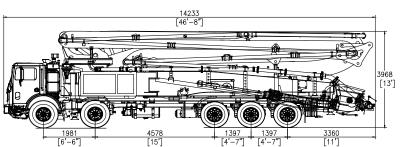
#### TRUCK-MOUNTED CONCRETE PUMP

Placing boom K56-6RZ Pumping unit PU1811 Driven by PTO Gearbox

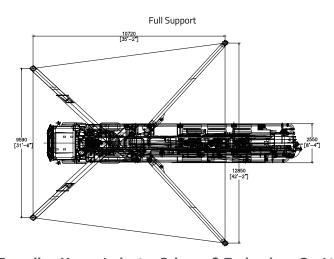
Chassis Cabover/Conventional



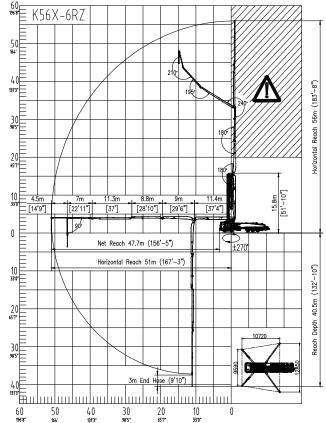
#### **Dimensions, Reach Information Diagram, Support**



Dimensions varying according to truck assembly



Zoomlion Heavy Industry Science & Technology Co.,Ltd.







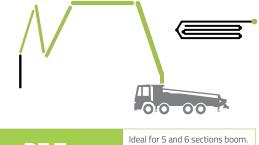
## 56X-6RZ

**Standard Equipment** 

- Compact in design, 56m pump mounted on 5-axle/6-axle truck.
- Efficient pumping unit, ideal for long time use.
- Agile placing boom with 6 arms, and unifolding height only 15.8m (51'10"), which gives a wide work range.
- Proportional radio controls with two speeds boom movement, automatic frequeny scanner.
- Double-layer concrete pipes ensure the working reliability.
- Centralized lubrication system for pumping unit.
- Durable wear plate and cutting ring for pumping unit.
- OSS (One-side support).
- · Alluminum hopper covering.
- Double water pumps (High and low pressure).
- Use & Maintenance Manuals.
- Spare parts and service manual.

#### **Optional**

- Chassis brand: Mack, Freightliner, AutoCar, and etc.
- Other configuration on demand.



RZ Type

Ideal for 5 and 6 sections boom. It provides maximum flexibility by combining R+Z solutions.

Available for: **ZL40 - ZL43 - ZL47 - ZL50 - ZL56** 



Front: Double telescopic X style

Rear: Swing-out

Available for: ZL43 - ZL47 - ZL50 - ZL56







OSS Available

#### TRUCK-MOUNTED CONCRETE PUMP

Placing boomK56-6RZPumping unitPU1811Driven byPTO Gearbox

Chassis Cabover/Conventional

#### **Placing Boom Technical Data**

Model			50X-6RZ
Pipeline diameter		5"	125 mm
Maximum vertical reach		183'8"	56 m
Maximum horizontal distance (from center of slewing axis)		167′3″	51 m
Minimum unfolding height		53′10″	15.8 m
Section numbers			6
1st section	Length	37'4"	11400 mm
ist section	Opening angle		90°
2nd section	Length	29'6"	9000 mm
ZIIU SECTIONI	Opening angle		180°
3rd section	Length	28'10"	8800 mm
ord Sections	Opening angle		180°
4th section	Length	37′	11300 mm
4111 Section	Opening angle		240°
5th section	Length	22'11"	7000 mm
our section	Opening angle		195°
6th section	Length	14'9"	4500 mm
our section	Opening angle		210°
Rotating angle			±270°
End hose length		9'10"	3 m

#### **Pumping Unit Technical Data**

Model		PU1709
Maximum theoretical output	235 yd³/h	180 m³/h
Maximum pressure on concrete	1639 psi	113 bar
Concrete cylinders (diam. x stroke)	10"x6'11"	260x2100mm
Concrete hopper capacity	156 gal	600L
Hydraulic circuit		Closed





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