

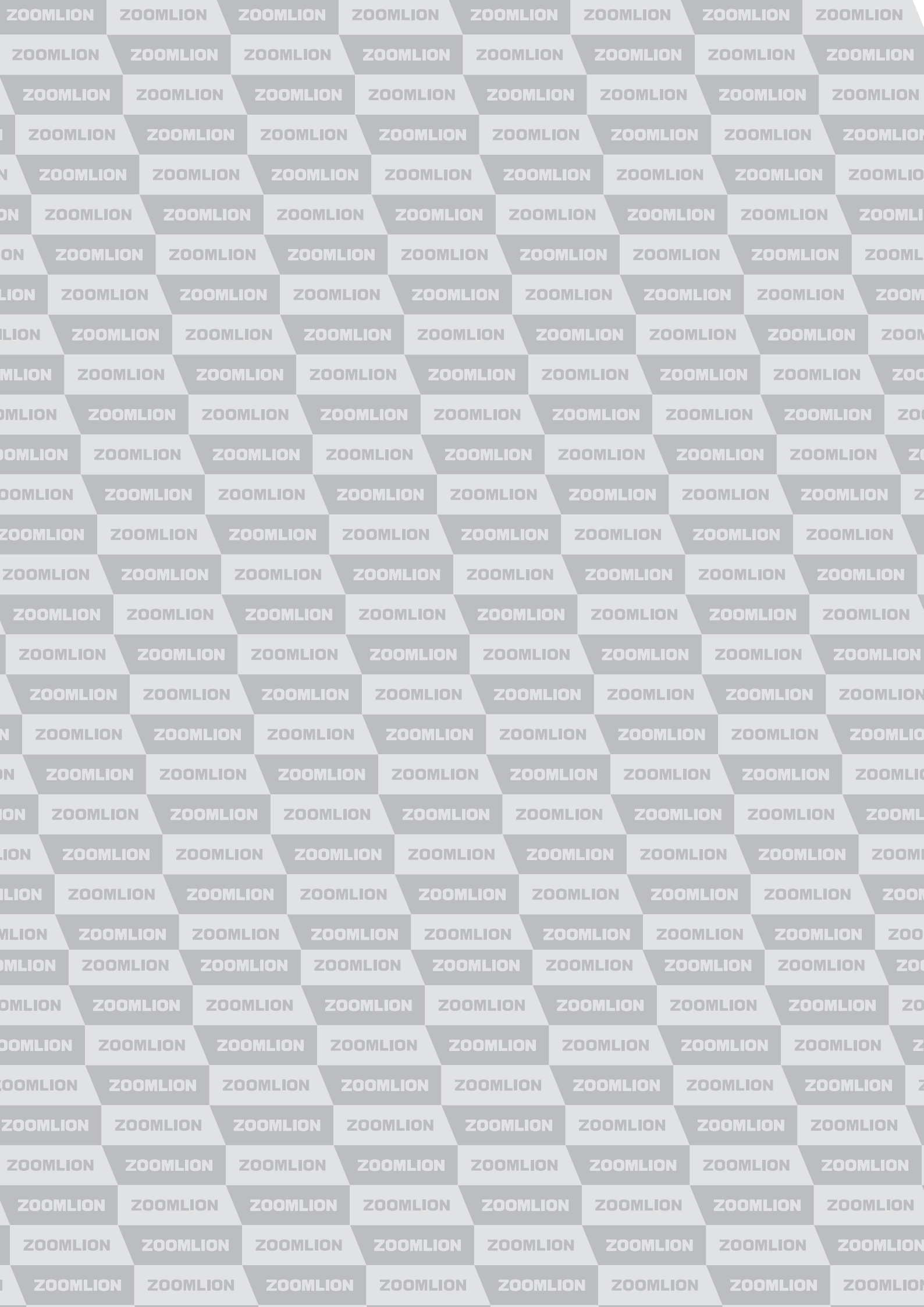
ZOOMLION

**VISION
CREATES FUTURE**

50X-6RZ

Truck-Mounted Concrete Pump

ZOOMLION





50X-6RZ

TRUCK-MOUNTED CONCRETE PUMP

Placing boom	K50-6RZ
Pumping unit	PU1709
Driven by	PTO Gearbox
Chassis	Cabover/Conventional

ZOOMLION | Industry First



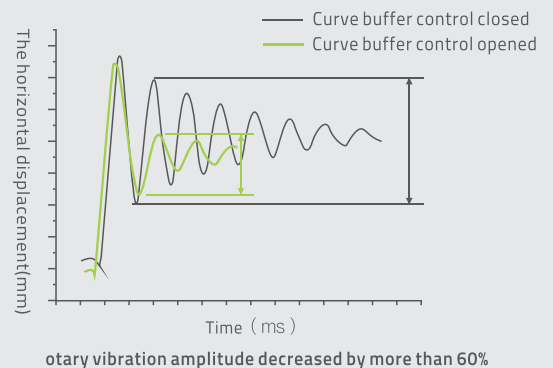
MBIT - The smartest arms

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 equipped 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.

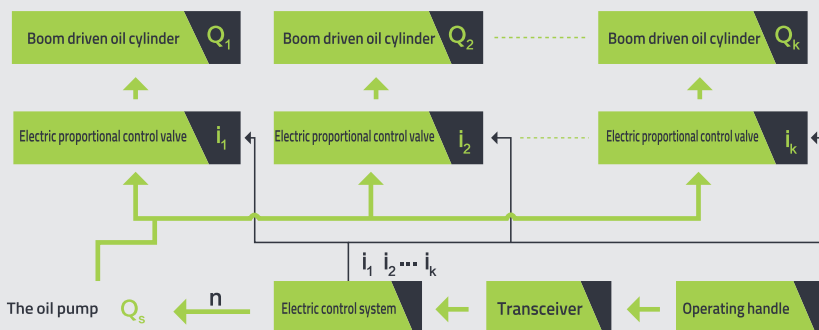


Intelligent control - Your pumping expert at any time.

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 risks.





50X-6RZ

TRUCK-MOUNTED CONCRETE PUMP

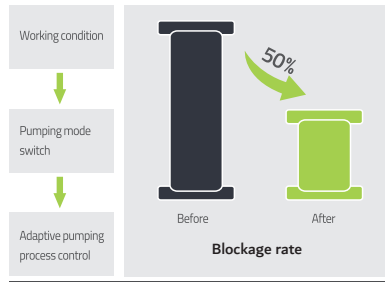
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ZOOMLION | Industry Innovation



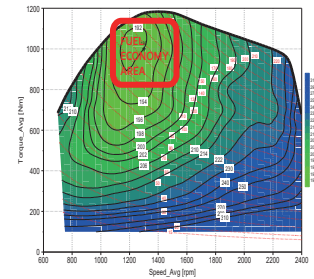
Stability

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.



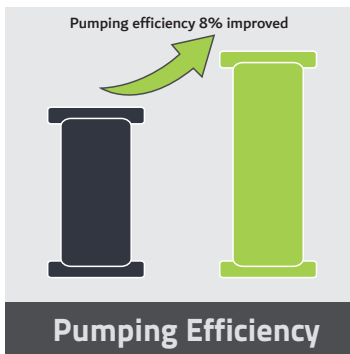
Pumping Performance

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.



Pumping Efficiency

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.



Quality

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. ZOOMLION's high quality products gives you confidence and safety at work.



Easy to do maintenance

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.



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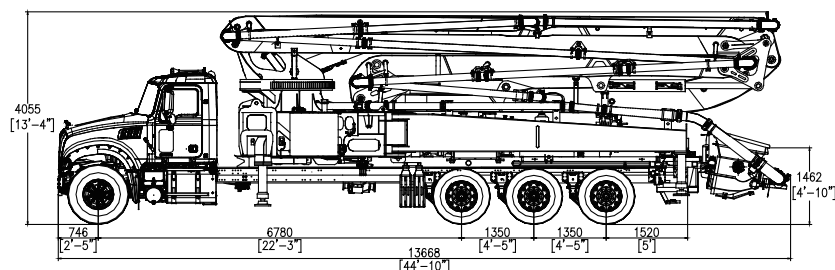
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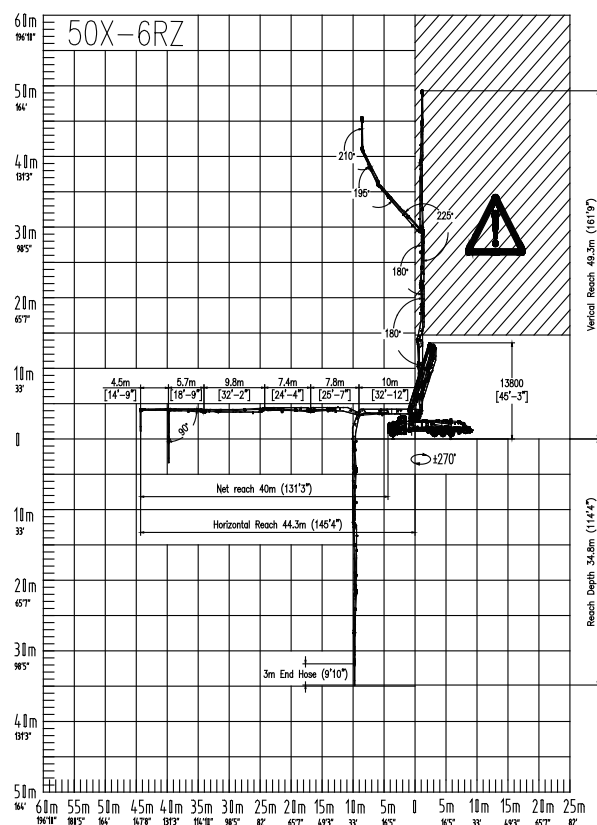
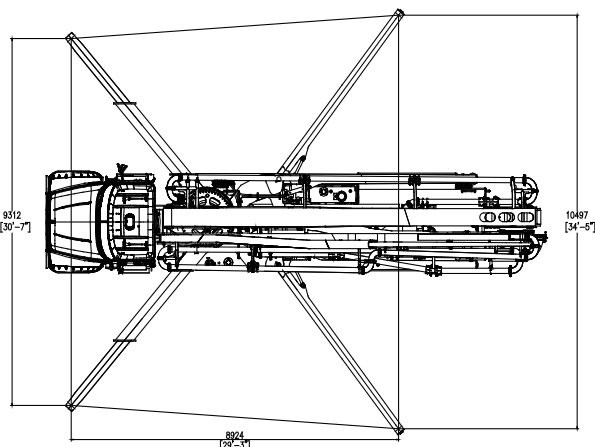


Dimensions, Reach Information Diagram, Support



Dimensions varying according to truck assembly

Full Support



Zoomlion Heavy Industry Science & Technology Co.,Ltd.

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Standard Equipment

- Compact in design, 50m pump mounted on 4-axle truck.
- Efficient pumping unit, ideal for long time use.
- Agile placing boom with 6 arms, and unfolding height only 13.8m (45'3"), which gives a wide work range.
- Proportional radio controls with two speeds boom movement, automatic frequency 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

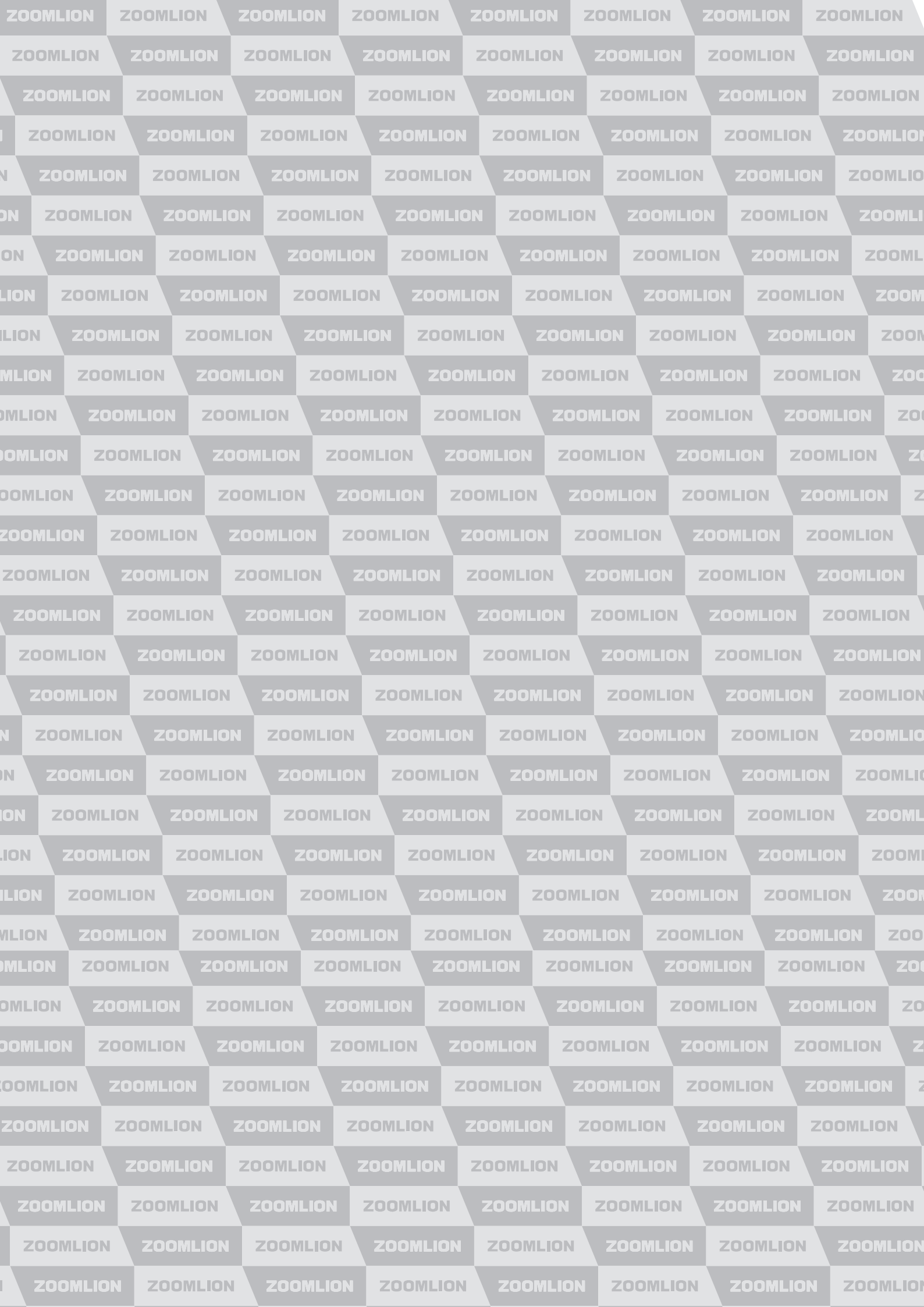
Placing Boom Technical Data

Model		50X-6RZ
Pipeline diameter	5"	125 mm
Maximum vertical reach	161'9"	49.3 m
Maximum horizontal distance (from center of slewing axis)	145'4"	44.3 m
Minimum unfolding height	45'3"	13.8 m
Section numbers		6
1st section	Length	32'12"
	Opening angle	10050 mm
2nd section	Length	25'7"
	Opening angle	7800 mm
3rd section	Length	24'4"
	Opening angle	180°
4th section	Length	32'2"
	Opening angle	180°
5th section	Length	18'9"
	Opening angle	225°
6th section	Length	14'9"
	Opening angle	5730 mm
Rotating angle		±270°
End hose length	9'10"	3 m

Pumping Unit Technical Data

Model		PU1709
Maximum theoretical output	222 yd³/h	170 m³/h
Maximum pressure on concrete	1276 psi	88 bar
Concrete cylinders (diam. x stroke)	9"x6'11"	230x2100mm
Concrete hopper capacity	156 gal	600L
Hydraulic circuit		Open





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