

CHINA NONGJIAN

CONCRETE PUMPS

▲ BOOM PUMP ▲ SELF LOADING MIXER ▲ ROUND CONTAINER MIXER



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农建机械

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Overview

The professional Chinese manufacturing supplier of construction machinery, China Nongjian Machinery has achieved a mature process of leading construction industry, since established in 2005.

We are not only a machine supplier, but also a leader of innovation and pioneer of customization.

04 China Nongjian Faith

06 Strong Ability

08 Boom/Stabilization

10 Advanced System

12 Product

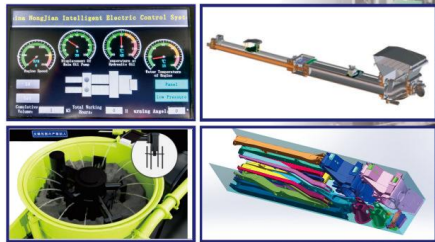
22 Spare Parts



Strong Ability

Invention Capability

China Nongjian Machinery has strong invention ability, a professional R&D center. Has achieved more than 50 patent technologies. Successful in supplying boom pump, self loading mixer and round container mixer and so on.



Process Capability

China Nongjian Machinery adopt cutting-edge skills and process, applying to plasma cutting, polishing and welding, assembling. Strict quality checking.



Application Capability

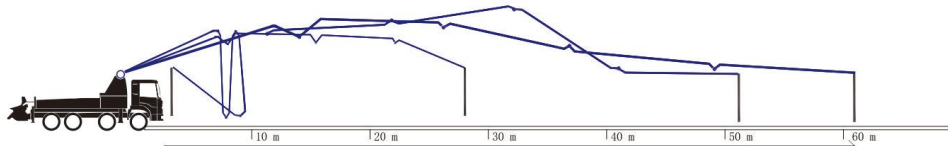
China Nongjian Machinery has helped a variety of clients from different construction sites all over the world. We offer best solutions to reduce the cost during construction project.



BOOM FLEXIBLE FOLDING AND QUICKLY OPERATION

STABILIZATION ROBUST AND FIXED MORE

BOOM REACH



China Nongjian offers a complete range of concrete boom pump models from 15m(3 section) to 70m(6 section).

BOOM FOLDING



RZ-FOLDING

"RZ" FOLDING models offer great reach with compactness. Ideal for large commercial and industrial job sites. The original and best for all around boom type for fast folding, easy in-out and precision placement.

MODEL 6RZ63, 6RZ58, 6RZ52, 5RZ47, 5RZ42, 6(5)RZ40, 5RZ38, 5RZ33



Z-FOLDING

"Z" FOLDING models offers great maneuverability (section articulation) to negotiate over and around obstacles. Ideal to handle space restricted projects like residential buildings where it requires easy and low operational situations.

MODEL 5Z42, 4Z37, 5Z36, 4Z32, 4Z28, 4Z26, 3Z19



R-FOLDING

"R" FOLDING models offers ease in operation and sleekness. Ideal for daily routine concrete pumping projects like foundations and flooring on both commercial and high-rise buildings.

MODEL 5ZR38, 5ZR31, 4ZR26, 4ZR21



ZR-FOLDING

"ZR" FOLDING models offer great agility with low un folding height and no "dead space" the buildings or under bridges. Its' unmatched versatility in a compact design is just the boom pump to round out your fleet.

MODEL 5ZR38, 5ZR31, 4ZR26, 4ZR21

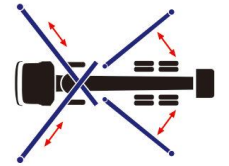
STABILIZATION TYPE

China Nongjian Stabilization is designed to provide excellent stability on maximum reach of the truck.

FRONT-X TYPE REAR-SWING

MAXIMUM REACH is guaranteed with minimum footprint. 2-3 Stage telescopic versions are also implemented on larger models in order to achieve required foot print while optimally utilizing limited space available.

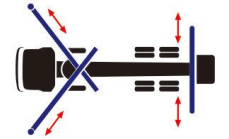
MODEL 6RZ70, 6RZ63, 6RZ56, 5RZ48, 5Z42, 6(5)RZ40, 5RZ38, 5ZR33



FRONT-X TYPE REAR-TELESCOPIC

ALL ROUND stabilization that covers optimal foot print with medium length boom for your day to day operation. Regardless of residential, commercial or industrial jobs, this configuration will be the most optimal stabilization configuration for your project.

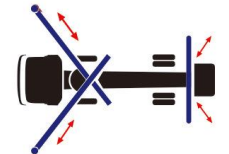
MODEL 5RZ38, 5Z36, 5ZR33, 4R33, 4Z30, 4Z26



FRONT-TELESCOPIC REAR-FIXED

SIMPLE AND EFFECTIVE stabilization for rapid and effective operations. This configuration will make your daily work significantly easier in inner city, low buildings, tunnels and so. Being able to enter and adapt to any project site is now capable with this configuration.

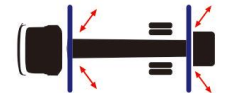
MODEL 4Z28, 4Z26, 4ZR26, 4ZR30, 3Z22



FRONT-FIXED REAR-FIXED

Perfect for narrow and tight operational spaces in buildings or alleys. This compact configuration will add more flexibility to your fleet that allows easy maneuvering through busy urban job sites.

MODEL 3Z19





S-VALVE SYSTEM

China Nongjian S-valve system provides smooth and less vibration to provide efficient operation and minimize wear and noise.

- Available in both open and close hydraulic circuit.
- Automatic lubrication on all mechanical joints.
- Automatic lubrication on pumping piston.
- A Robust swing cylinder to prevent pump failure.
- Carbide insert on delivery line with tungsten cutting ring & wear plate.
- Great Output & low maintenance.

S-Valve Pumping Unit Specification				
Model	KS80	KS130	KS160	KS180H
SYSTEM TYPE	AVAILABLE IN BOTH CLOSE AND OPEN SYSTEM			
Max Output (rod)	80 m ³ /h@35s/min	130 m ³ /h@34s/min	160 m ³ /h@29s/min	185 m ³ /h@35s/min
Max. Concrete Pressure(rod)	71Bar	71Bar	71Bar	87Bar
Max Output (Piston)	55 m ³ /h@24s/min	70 m ³ /h@21s/min	100 m ³ /h@18s/min	120 m ³ /h@24s/min
Max.Concrete Pressure(piston)	105 Bar	110 Bar	110 Bar	130 Bar
Delivery/Concrete Cylinder	Ø200 × 1250mm	Ø230 × 1600mm	Ø230 × 2100mm	Ø260 × 2100mm
Main Pump Capacity	125cc/ rev	125cc/ rev	250cc/ rev	360cc/ rev
Hopper Capacity	500L		600L	

INTELLIGENT BOOM SYSTEM

China Nongjian intelligent boom system can detect the working state of truck, and displays the fault information, can effectively shorten the troubleshooting time.

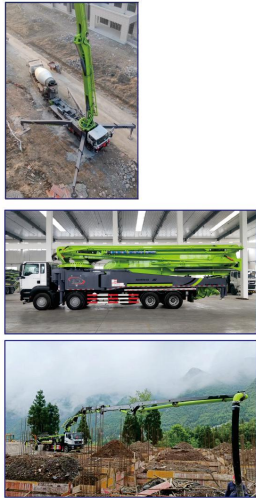
- Electronic control operation system real time monitoring.
- Low height low weight suitable for various narrow construction sites.
- One button click start, wireless remote control.
- Hydraulic control commutation technology shorten the pumping time.
- Automatic hydraulic oil measurement and heat dissipation system ensure safety.
- Advanced design of pumping pipeline reduce the quantity of elbows, prevent pipe blockage.

Boom and Pipe Unit Specification	
Model	RZ Z R ZR
Total Sections	3 4 5 6 / Customization
Slump	160-220mm
Max. Aggregate Size	40mm
Inner diameter of convey pipe	125mm
End hose length	3M



6RZ63

Truck Mounted Concrete Pump



6RZ50

Truck Mounted Concrete Pump



Whole Specification

FULL LENGTH	13850mm
TOTAL HEIGHT	4000mm
TOTAL WIDTH	2550mm
SELF WEIGHT	44000Kg
BOOM VERTICAL HEIGHT	62.5m
BOOM HORIZONTAL REACH	58.5m
BOOM VERTICAL DEPTH	47m
BOOM FOLDING	6RZ
EACH ARM LENGTH	11500mm/9030mm/9300mm/10270mm/11030mm/7500mm
EACH ARM CORNER ANGLE	90°/180°/180°/230°/180°/180°
END HOSE LENGTH	3m
TURNTABLE ROTATION ANGLE	±360°
FRONT OUTRIGGER WIDTH	12870mm
REAR OUTRIGGER WIDTH	12245mm
LONGITUDINAL DISTANCE OF FRONT AND REAR LEGS	12347mm

Whole Specification

FULL LENGTH	12600mm
TOTAL HEIGHT	3950mm
TOTAL WIDTH	2550mm
SELF WEIGHT	35000Kg
BOOM VERTICAL HEIGHT	50m
BOOM HORIZONTAL REACH	46m
BOOM VERTICAL DEPTH	36.5m
BOOM FOLDING	6RZ
EACH ARM LENGTH	10000mm/8250mm/8050mm/9450mm/5750mm/4300mm
EACH ARM CORNER ANGLE	90°/180°/180°/243°/220°/110°
END HOSE LENGTH	3m
TURNTABLE ROTATION ANGLE	±360°
FRONT OUTRIGGER WIDTH	9500mm
REAR OUTRIGGER WIDTH	9800mm
LONGITUDINAL DISTANCE OF FRONT AND REAR LEGS	10400mm

5RZ40

Truck Mounted Concrete Pump



Whole Specification

FULL LENGTH	10450mm
TOTAL HEIGHT	3800mm
TOTAL WIDTH	2500mm
SELF WEIGHT	23000Kg
BOOM VERTICAL HEIGHT	40m
BOOM HORIZONTAL REACH	36.2m
BOOM VERTICAL DEPTH	24.5m
BOOM FOLDING	5RZ
EACH ARM LENGTH	8100mm/6600mm/6000mm/7200mm/7600mm
EACH ARM CORNER ANGLE	90°/180°/180°/207°/211°
END HOSE LENGTH	3m
TURNTABLE ROTATION ANGLE	±360°
FRONT OUTRIGGER WIDTH	8100mm
REAR OUTRIGGER WIDTH	9000mm
LONGITUDINAL DISTANCE OF FRONT AND REAR LEGS	7400mm

5RZ38

Truck Mounted Concrete Pump



Whole Specification

FULL LENGTH	10500mm	
TOTAL HEIGHT	3360mm	
TOTAL WIDTH	2500mm	
SELF WEIGHT	26000Kg	
BOOM VERTICAL HEIGHT	38m	
BOOM HORIZONTAL REACH	33.5m	
BOOM VERTICAL DEPTH	22m	
BOOM FOLDING	5RZ	
EACH ARM LENGTH	7500mm	7500mm/6200mm/6100mm/6700mm/6700mm
EACH ARM CORNER ANGLE	90°/180°/180°/230°/212°	
END HOSE LENGTH	3m	
TURNTABLE ROTATION ANGLE	±360°	
FRONT OUTRIGGER WIDTH	6800mm	
REAR OUTRIGGER WIDTH	8350mm	
LONGITUDINAL DISTANCE OF FRONT AND REAR LEGS	6800mm	

5RZ26

Truck Mounted Concrete Pump



3Z22

Truck Mounted Concrete Pump



Whole Specification

FULL LENGTH	8200mm
TOTAL HEIGHT	3260mm
TOTAL WIDTH	2350mm
SELF WEIGHT	17000Kg
BOOM VERTICAL HEIGHT	26m
BOOM HORIZONTAL REACH	21.6m
BOOM VERTICAL DEPTH	10.5m
BOOM FOLDING	5RZ
EACH ARM LENGTH	5500mm/4100mm/3900mm/4300mm
EACH ARM CORNER ANGLE	90°/180°/180°/212°/180°
END HOSE LENGTH	3m
TURNTABLE ROTATION ANGLE	±360°
FRONT OUTRIGGER WIDTH	5130mm
REAR OUTRIGGER WIDTH	5000mm
LONGITUDINAL DISTANCE OF FRONT AND REAR LEGS	5100mm

Whole Specification

FULL LENGTH	9400mm
TOTAL HEIGHT	3300mm
TOTAL WIDTH	2450mm
SELF WEIGHT	16000Kg
BOOM VERTICAL HEIGHT	21.9m
BOOM HORIZONTAL REACH	18.1m
BOOM VERTICAL DEPTH	8m
BOOM FOLDING	3Z
EACH ARM LENGTH	7100mm/6100mm/4900mm
EACH ARM CORNER ANGLE	90°/180°/180°
END HOSE LENGTH	3m
TURNTABLE ROTATION ANGLE	±360°
FRONT OUTRIGGER WIDTH	4850mm
REAR OUTRIGGER WIDTH	3300mm
LONGITUDINAL DISTANCE OF FRONT AND REAR LEGS	5200mm

Round Container Mixer 42M



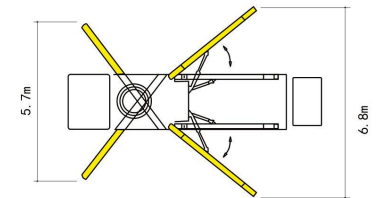
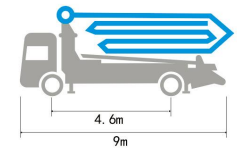
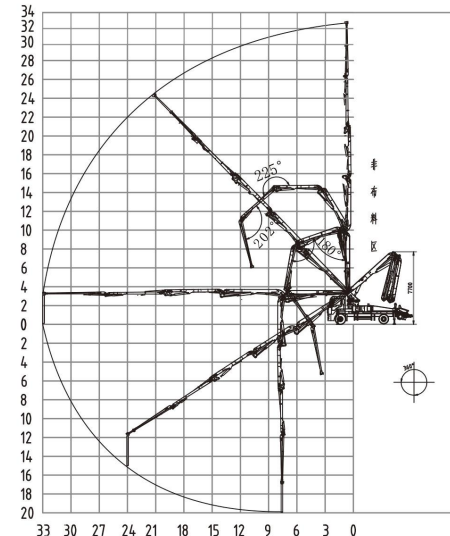
33M



Whole Specification

Model	26M 33M 36M 42M
Mix Speed	25m ³ /h-50m ³ /h
Theoretical Concrete Displacement	80m ³ /h-160m ³ /h
Engine Power	176 kW/258kw/258kw/258kw
Delivery Cylinder	Ø200×1250mm Ø200×1250mm Ø230×1600mm Ø230×1600mm
Mixer Capacity	1500L 2000L 2000L 2000L

33-X 5RZ Reaching Range Scope



The Specification Varies According To Truck Dimension

Self Loading Mixer 33M



42M



Whole Specification

Model	33M 38M 42M 45M
Mix Speed	25 m³/h-50m³/h
Theoretical Concrete Displacement	80m³/h-160m³/h
Engine Power	176 kW/258kw/258kw/258kw
Delivery Cylinder	Ø200×1250mm Ø200×1250mm Ø230×1600mm Ø230×1600mm
Hopper Capacity	400L 500L 600L
Special Design	<ul style="list-style-type: none"> • CUSTOMIZATION OF SPECIFICATION AND COLOUR • DO OEM & ODM WITH SPECIFIED DRAWINGS AND LOGO • ACCEPT ALL BRANDS OF CHASSIS ASSEMBLING • BE AVAILABLE OF ONLINE GUIDENCE AND SERVICE • BE AVAILABLE OF ABROAD SUPPORT AND SERVICE • BE AVAILABLE OF HELPNESS TO AGENTS AND DEALERS

GENERAL

Dimension (L*W*H)	11350mm*3850mm*2500mm
Total Weight	3500kg
Max Vertical Reach	41.1m
Max Horizontal Reach	36.3m
Max Reach Depth	24.6m
Outrigger Span: Front/Rear/Front-Rear	6800mm*8350mm*6800mm
Hydraulic System	Open
Chassis Brand	Multiple Choices
Remote Control	HBC/OHM
Hydraulic Oil Tank Capacity	500L
Water Tank Capacity	500L
Hopper Volume	0.6m³

BOOM

Number of Booms	5 Sections
Folding Type	RZ Fold
Outrigger	X-Swing
Boom Rotation Angle	90°/180°/180°/229°/212°
1st Section	8820mm
2nd Section	7100mm
3rd Section	6700mm
4th Section	7450mm
5th Section	7400mm
Turntable Rotation Angle	±360°
Boom Multi-way Valve	HAWE/KMAN/NORMA

PUMP

Theoretical Output	140m³/h
Theoretical Pumping Pressure	8-12 Mpa
Theoretical Pumping Times	25-40 times/min
Main Hydraulic Oil Pump Brand	Rexroth
Main Hydraulic Oil Pump Displacement	190ml/r
Main Hydraulic Oil Pump Theoretical Pressure	32Mpa
Delivery Pumping Cylinder External Diameter	230mm
Delivery Cylinder Stroke	1650mm
Concrete Pipe Diameter	125mm

Spare Parts



pipeline System

The pump pipeline is a composite double-layer wear resistant conveying pipe,with the wear-resistant degree reaching to 50000 cubic meters.



Boom System

Designed based on accurate data support,strict checking of raw materials and welding process.



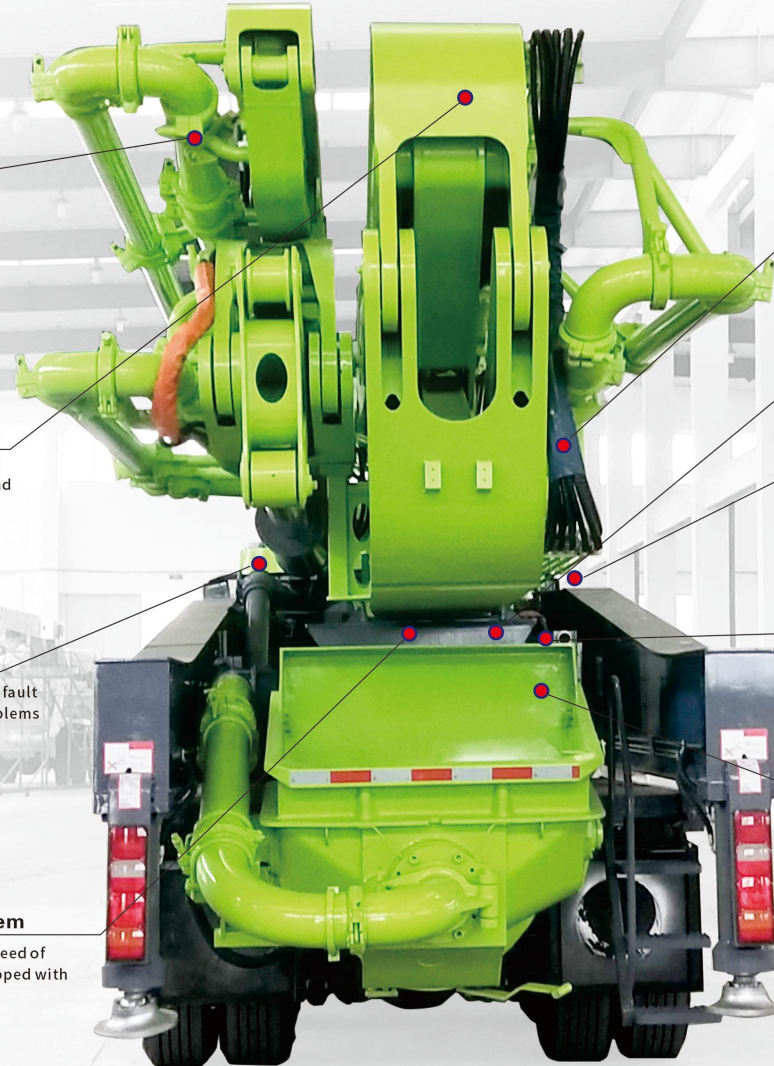
Electric Control System

Adopt German HBC controller to realize fault self-detection.Display alarm,solve problems quickly.



Swing Cylinder Control System

Electric signal transmit,increase the speed of swing cylinder commutation.And equipped with program pumping function.



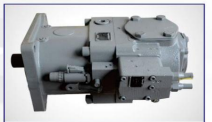
Hydraulic Hose Connection

Hydraulic hose joint of famous brand,ensure the safety of hydraulic system and no leakage.



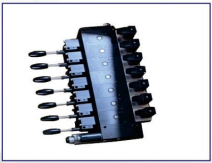
Main Oil Pump

Adopts Rexroth to ensure the reliable operation system,reduces pump time and maintenance cost. Protect the diesel engine.



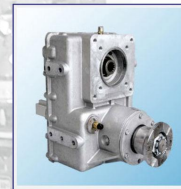
Boom And Outrigger Control Valve

Application of the electronic proportional control valve improves working efficiency through minimizing boom rolling and enlarge the flexibility of the boom and outrigger functions at the same time.



Transfer Case

Imported transfer case,reduce waste during system running.



Hopper

Latest design of internal structure,optimized the pump efficiency.Non-stick,easy clean.

