

ZOOMLION

[Zoomlion Road Rollers]



**Mobile Crane Branch Company of
Changsha Zoomlion Heavy Industry
Science & Technology Development
Co., Ltd.**

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www.zoomlion.com



Vision
Creates
the Future



Specialization, innovation, setting trends in industrial technologies

For over 30 years, Zoomlion has been dedicated to the research, development and application of vibration theories in road rollers R & D. We are the creators of multiple Chinese patented technologies, and are one of the participating drafters of a number of national standards; the performance indices of all of our road rollers exceed the nationally standardized requirements.

Through our independent, innovative creation and development of highly efficient, reliable, environmentally-friendly and user-friendly fully hydraulic single steel drum and dual steel drum road rollers, we are setting technological trends in the road roller industry. The design of our single steel drum and dual-drum rollers take into consideration the particular conditions of construction in China, and incorporate expertise learned from technological experience in both China and abroad.

Demonstrating enhanced brand strength through frontal configuration, high quality, and high reliability

To ensure stable and reliable operation, the power hydraulic system in our road rollers are constructed using parts and components from world famous brands.

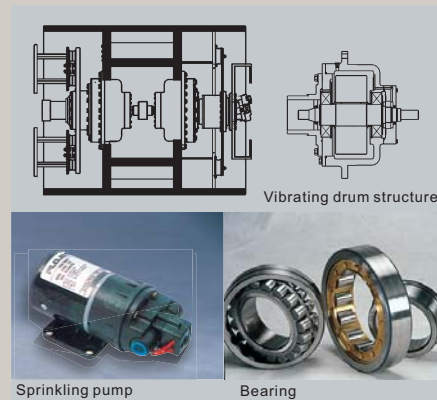
We have employed a unique vibrating drum structure design and proprietary low-speed sealing structure to significantly improve reliability and to extend the service lifespan of the vibrating drum.

Proprietary multi-channel, multi-point lubricating technology has been adopted in our vehicles in order to ensure exceptional and sufficient lubrication of bearings and thus improve their service life.

A stiffened quadruplebearing support structure is used to offer strong rigidity, and heavy-duty bearings from world-renowned brands are employed to provide for a longer designed lifespan, thus perfectly demonstrating the equivalent life design principle.

Our dual steel drum road roller is equipped with two sets of standalone time-shared control pressure water spray systems that ensure water spray systems work reliably at all times.

We use imported products for all electrical components in order to ensure the reliability of the vehicle's electronic parts.



Displaying the true essence of leadership through strong and efficient power

To ensure stable and reliable power output in different operating modes, the vehicle comes equipped with an exceptionally powerful engine manufactured by a world-renowned brand.

The hydraulic system is equipped with closed-type hydrostatic drive secondary filtering to offer high efficiency, minimal noise and easy stepless speed regulation; the high pressure pump and motor featured in this system are manufactured by world-renowned brands, either Germany's Rexroth or America's Sauer.

A heat radiator manufactured by a reputed brand is employed to provide for strong radiation power, high efficiency and exceptional quality, thus improving the heat radiation performance of the power system.

A guaranteed drive axle from a reputed brand is incorporated to provide excellent transmission efficiency and reliable operation.



Guaranteeing profit through ensured safety and environmental protection

Our road roller is equipped with three major brake systems - a service brake, parking brake, and an emergency brake - to ensure safe and reliable traveling.

A mid-position start-up protection function has also been made available to guarantee a safe start-up.

Various features such as error indication and warning have been additionally equipped to ensure your safety at all times.

The road roller is equipped with a EuroII-emission engine.

A compactness meter can be mounted on the vehicle to meet more users' requirements.



User-friendly design and streamlined exterior - the key to peace of mind and effortless operation

The driver's cab features a spacious interior, luxurious interior trimming, and a broad field of vision.

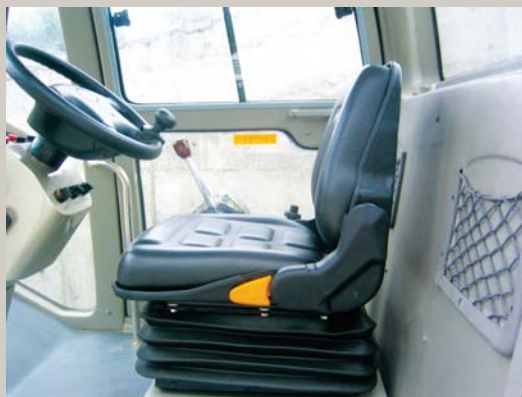
An adjustable control console and shock-absorbent adjustable seat is included to provide superior comfort in operation.

Zoomlion's patented "T" shaped air conditioning flue pipe is integrated, with air inlets from both sides toward the operator's back, providing a springtime feel all year round.

Fully hydraulic stepless speed regulation for easier, more comfortable, and more convenient control, reducing operating fatigue of the driver.



YZC13 Driver's cab



Single steel drum driver's cab

YZC Series



Hydraulically Driven Dual Steel Drum Vibrating Road Roller

Model		Unit of measurement	YZC08	YZC10A	YZC13H	YZC13E (open cab)
Service weight		Kg	8000	10000	1300	1300
Steel drum dimensions		mm	Φ 1150 x 1730	Φ 1150 x 1730	Φ 1250 x 2100	Φ 1250 x 2100
Linear load of steel drum		N/cm	231	238	303	303
Exciting force		kN	90/69	90/69	125/90	125/90
Vibration frequency		Hz	50/45	50/45	39/46	39/46
Amplitude		mm	0.67/0.34	0.67/0.34	0.75/0.35	0.75/0.35
traveling speed		km/h	0-11	0-11	0-6/0-12	0-6/0-12
Theoretical gradeability		%	40	40	35	35
Engine	Model		Dongfeng Cummins 6BT3.9-C100	Dongfeng Cummins 6BT3.9-C100	BF4M1013EC Euro-II	BF4M1013EC Euro-II
	Power	KW	82	82	102	88
	Rotational speed	r/min	2200	2200	2300	2300
Overall dimensions (L×W×H)		mm	4558 x 1840 x 2674	4558 x 1840 x 2674	5250 x 2270 x 3010	5250 x 2270 x 3010

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User-friendly design parameters, streamlined exterior - the key to peace of mind and effortless operation

Mechanical Single Steel Drum Vibrating Road Roller

Model		Unit of measurement	YZ14-J	YZ18-J	YZ20-J	YZ22-J
Service weight		Kg	14000	18000	20000	22000
Steel drum dimensions		mm	1570 x 2100	1570 x 2100	1570 x 2100	1570 x 2100
Linear load of steel drum		N/cm	342	430	470	530
Exciting force		kN	260/160	390/280	410/300	410/300
Vibration frequency		Hz	29/35	28/35	28/35	28/35
Amplitude		mm	1.7/0.78	1.9/0.95	1.9/0.95	1.9/0.95
traveling speed		km/h	First shift: 2	First shift: 2	First shift: 2	First shift: 2
			Second shift: 4	Second shift: 4	Second shift: 4	Second shift: 4
			Third shift: 10.5	Third shift: 10.5	Third shift: 10.5	Third shift: 10.5
Theoretical gradeability		%	35	30	30	30
Engine	Model		Dongfeng Cummins 6BT5.9-C130	Shanghai Diesel SC8D180	Shanghai Diesel SC8D180	Shanghai Diesel SC8D180
	Power	KW	97	132	132	132
	Rotational speed	r/min	2200	2000	2000	2000
Overall dimensions (L×W×H)		mm	5800 x 2280 x 3050	6410 x 2350 x 3090	6410 x 2350 x 3090	6410 x 2350 x 3090

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The key to peace of mind and effortless operation

Fully Hydraulic Single-Drive Single-Steel-Drum Vibrating Road Roller

Model		Unit of measurement	YZ12-II	YZ14-II	YZ18-II	YZ20-II
Service weight		Kg	12000	14000	18000	20000
Steel drum dimensions		mm	300	342	430	470
Linear load of steel drum		N/cm	1570 × 2100	1570 × 2100	1570 × 2100	1570 × 2100
Exciting force		kN	260/160	290/160	375/270	395/290
Vibration frequency		Hz	29/35	29/35	28/35	28/35
Amplitude		mm	1.8/0.9	1.8/0.9	1.9/0.95	1.9/0.95
traveling speed		km/h	0-12	0-12	7	8
Theoretical gradeability		%	30	30	30	30
Engine	Model		Dongfeng Cummins	Dongfeng Cummins	Dongfeng Cummins	Dongfeng Cummins
			6BT5.9-C150	6BT5.9-C150	6BTA5.9-C180	6BTA5.9-C180
	Power	KW	110	110	132	132
	Rotational speed	r/min	2200	2200	2200	2200
Overall dimensions (LxWxH)		mm	5800 × 2280 × 3050	5800 × 2280 × 3050	6410 × 2350 × 3090	6410 × 2350 × 3090

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Model		Unit of measurement	YZ18-III	YZ20-III	YZ22-II
Service weight		Kg	18000	20000	22000
Steel drum dimensions		mm	430	430	530
Linear load of steel drum		N/cm	Φ 1560 x 2150	Φ 1560 x 2150	Φ 1570 X 2100
Exciting force		kN	375/270	375/270	410/300
Vibration frequency		Hz	31/36	31/36	28/35
Amplitude		mm	1.9/0.95	1.9/0.95	1.9/0.95
traveling speed		km/h	7	7	10.5
Theoretical gradeability		%	32	32	30
Engine	Model		Dongfeng Cummins	Dongfeng Cummins	Dongfeng Cummins
			6BTA5.9-C180	6BTA5.9-C180	6BTA5.9-C180
	Power	KW	132	132	132
	Rotational speed	r/min	2300	2300	2200
Overall dimensions (LxWxH)		mm	5920 x 2400 x 3200	5920 x 2400 x 3200	6410 x 2350 x 3090
			(German FAG bearing, AKG heat radiator)	(German FAG bearing, AKG heat radiator)	

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YZ Series

Fully Hydraulic Dual-Drive Single-Steel-Drum Vibrating Road Roller

Model		Unit of measurement	YZ12H	YZ20-III	YZ18R
Service weight		Kg	12000	14000	19000
Steel drum dimensions		mm	Φ 1400 x 2100	Φ 1570 x 2100	Φ 1600 x 2150
Linear load of steel drum		N/cm	342	400	558
Exciting force		kN	260/160	290/160	370/270
Vibration frequency		Hz	29/35	29/35	29/35
Amplitude		mm	1.8/0.9	1.8/0.9	2/0.9
traveling speed		km/h	12	12	0~5/0~10
Theoretical gradeability		%	35	35	45
Engine	Model		Dongfeng Cummins 6BT5.9-C150	Dongfeng Cummins 6BT5.9-C150	BF6M1013EC Euro-II
	Power	KW	110	110	148
	Rotational speed	r/min	2200	2200	2300
Overall dimensions (L×W×H)		mm	5600 x 2260 x 3000	5800 x 2280 x 3050	6200 x 2400 x 3220

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Model		Unit of measurement	YZ20R	YZ25C	YZ27
Service weight		Kg	21000	25000	26800
Steel drum dimensions		mm	Φ 1600 x 2150	Φ 1600 x 2150	Φ 1600 x 2150
Linear load of steel drum		N/cm	574	729	775
Exciting force		kN	400/280	430/280	450/280
Vibration frequency		Hz	29/35	28/32	29/32.5
Amplitude		mm	2/0.9	2.2/1.1	2.2/1.1
traveling speed		km/h	0~5/0~10	0~4.5/0~10	0~4.5/0~10
Theoretical gradeability		%	42	45	45
Engine	Model		BF6M1013EC Euro-II	BF6M1013ECP Euro-II	BF6M1013ECP Euro-II
	Power	KW	148	176	176
	Rotational speed	r/min	2300	2300	2300
Overall dimensions (L×W×H)		mm	6200 x 2400 x 3220	6310 x 2480 x 3270	6310 x 2480 x 3270

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YZK Series



Pad-Foot Single-Steel-Drum Vibrating Road Roller

Model		Unit of measurement	YZK19	YZK21	YZK25
Service weight		Kg	19000	21000	26000
Steel drum dimensions		N/cm	Φ 1600 x 2150	Φ 1600 x 2150	Φ 1600 x 2150
Exciting force		kN	370/270	400/280	430/280
Vibration frequency		Hz	29/35	29/35	28/32
Amplitude		mm	1.7/0.75	1.7/0.75	1.8/0.95
traveling speed		km/h	0~5/0~10	0~5/0~10	0~5/0~10
Theoretical gradeability		%	45	42	45
Engine	Model		BF6M1013EC	BF6M1013EC	BF6M1013ECP
	Power	KW	148	148	176
	Rotational speed	r/min	2300	2300	2300
Overall dimensions (L×W×H)		mm	6200 x 2400 x 3220	6200 x 2400 x 3220	6310 x 2480 x 3270

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Fully Hydraulic Pneumatic-Tire Static Road Roller

Model		Unit of measurement	YL16H	YL26H
Service weight		Kg	16000	26000
traveling speed		N/cm	0-16	0-16
Number of tires		kN	Front 5 Rear 6	Front 4 Rear 5
Tire specifications		Hz	11.00-20/16	11.00-20/16
Compacting width		mm	2286	2790
Tire overlapping width		km/h	30	30
Theoretical gradeability		%	30	30
Sprinkler tank capacity		L	407	772
Engine	Model		Dongfeng Cummins	Dongfeng Cummins
	Power	KW	6BT3.9-C100	6BT5.9-C170
	Rotational speed	r/min	75	125
Overall dimensions (L×W×H)		mm	2300	2200
		mm	4780 x 2280 x 3200	4950 x 2850 x 3100

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Zoomlion Services Exceeding your expectations

One philosophy: trustworthy service, pursuing excellence

One mission: focus on customers in order to create and enhance value for our customers

One objective: Provide exceptional service, and continuously strive for customer satisfaction

One strategy: Provide customers with standardized, specialized, diversified and differentiated one-stop integrated service

Our four commitments: Round-the-clock, comprehensive, and whole-hearted service at all times

Our five principles: honesty, initiation, efficiency, speciality, and detail-oriented care

Our six criteria: dress code, standardized appearance, standardized language, standard of conduct, standardized tools, and procedural standards



Service mascot (Chengcheng)

Service commitments

1. Within the warranty term:
 - 1.1 Guidance on product installation and testing will be provided free of charge until the product has been delivered and is up and running normally;
 - 1.2 A minimum of three sessions of onsite professional technical training will be provided free of charge to ensure that our customer's product operators master the operation of our products and fully understand operating mode requirements, that they understand the correct servicing requirements and servicing methods for our products, and grasp correct diagnosis and troubleshooting methods for frequently encountered problems;
 - 1.3 A minimum of four onsite product servicing visits will be provided free of charge (materials necessary for product servicing shall be provided by the user);
 - 1.4 Onsite maintenance will be provided free of charge for the product in the occurrence of any problem (the expenses of parts and components that must be replaced or consumed during maintenance shall be paid according to the product warranty terms signed with the customer; onsite maintenance labor costs and travel expenses will not be charged);
 - 1.5 Warranty parts can be delivered onsite.
2. Outside of warranty:
 - 2.1 We will provide a minimum of four annual onsite inspections, will provide guidance on product servicing, and will specify appropriate maintenance programs and provide users with a spare parts procurement plan;
 - 2.2 Onsite maintenance will be provided for the product if any problem arises that the user can not resolve;
 - 2.3 Technical advice will be provided free of charge;
 - 2.4 Spare parts will be provided throughout the lifetime of the product.

Advanced service locations

1. Zoomlion has 31 branch companies, 120 service stations, and 140 service locations throughout China, ensuring a service point within a radius of 150km from any given point;
2. Maintenance and support centers: today, Zoomlion has established 18 maintenance and support centers nationwide with comprehensive inspection and overhaul services, and to provide you with peace of mind and spare parts sales services;
3. We are the first company in the industry to adopt a real-time service process control and management system, thus ensuring that our customers can access Zoomlion's standardized services at any place and at any time.



A professional team of service engineers

1. Zoomlion has a team of over 1000 engineers permanently stationed in the field, providing customers with strong technical support and 24 hour service;
2. Zoomlion's team of service engineers are qualified to provide technical support and service capability for all Zoomlion series products, thus providing you with one-stop service;
3. Over 500 GPS-equipped specialized service vans are equipped and ready at all times to provide you with rapid response for all of your service needs;
4. Each branch is also equipped with specialized breakdown & inspection servicing vehicles that are equipped to perform regular and comprehensive inspections of your equipment.

Powerful capacity of parts supply

1. When inventory is available at the local warehouse, the following delivery timetable is guaranteed: delivery within 2 hours for downtown areas; within 8 hours for delivery to distances within 500km of the warehouse and in the same province; within 12 hours for delivery to distances within 500-1000km of the warehouse and in the same province; within 24 hours for delivery beyond 1000km from the warehouse and in the same province; and within 24 hours for cross-province delivery;
2. When inventory is available at the head office but not at the local warehouse, parts will be delivered within 24 hours;
3. When inventory is not available at either the local warehouse or the head office, custom-made parts will be delivered within 72 hours, parts purchased within or outside of China will be delivered within 96 hours, and the delivery timetable for imported parts will depend on specific situations.

Fast response

1. We are equipped to accept service requests 24 hours a day;
2. Once having received a service request, our service engineer will either depart within 5 minutes to provide on-site care, or guide the customer via telephone on how to handle the situation;
3. Time for on-site arrival: for regions with service stations, our engineer will arrive within 2 hours for downtown areas, within 8 hours for cross-city areas, and within 24 hours for cross-province areas (in northwest China, within 16 hours for cross-city areas, within 48 hours for cross-province areas, and within 48 hours for Tibet);
4. The percentage of problems that are solved within 24 hours is 90%;
5. Without either the customer's or the service station leader's permission, our service engineers are not allowed to leave the site until a problem has been completely resolved;
6. We have a 100% guarantee that our engineers will provide a follow-up visit within 24 hours of service completion.

Value-added services

1. For key project, we provide zero-distance premium tracking services throughout the duration of your projects;
2. We assist customers in obtaining special operation licenses for their operators, provide year-round operator training programs, and have established an operators club;
3. We will provide regular equipment inspection services;
4. We will provide major maintenance services;
5. We will provide international dealer training and qualification certification;
6. We will provide a regular series of events such as value-added services, donation of worn parts, and discounted-price sales, etc.