ZOOMLION TECHNOLOGY WITH INGENUITY AND CARE











THE WORLD'S LEADING EXCAVATOR INTELLIGENT MANUFACTURING FACTORY

ZOOMLION Smart City Earthmoving Machinery Park is an industry-leading intelligent and flexible excavator factory. From a piece of steel plate to an excavator, with high-precision welding process, highly reliable assembly process, high-level coating process and strict quality control, each excavator is delivered with ultimate quality.



ZOOMLION 50-TONNAGE CRAWLER HYDRAULIC EXCAVATOR ZE500G







	ZE5							
	2.65 m³	3,1 m³	3,3 m³					(0)
Weight Width	2710 kg 1630mm	2720 kg 1875 mm	2800kg 1966 mm					all!
						OOMLIGH		
		P	III					(5)
	A Charles	AS COLOR	一	ss section of the boom aring capacity; of structural parts.	nd arm has increased by	9% and 6% respec-		
		1					10/11/11/11	

	Туре	Boom length	Arm length	Bucket configuration and adaptability to working conditions	Adaptability to material density
1	Standard boom Standard arm	6500	2550	185 mm Breaker	
	4			2.65 m³ Rock bucket	1800 kg / m³
6	Standard boom Long arm	6500	3000	3.1 m³ Reinforced bucket	1600 kg / m³
				3.3 m³ Earthwork bucket	1400 kg / m³
-	Long boom	7060	3000	2.65 m³ Rock bucket	1600 kg / m³
	Long arm	/060	3000	3.1 m³ Reinforced bucket	1400 kg / m³

REINFORCED BUCKET

Standard high efficient reinforced bucket of 3.1m³ capacity;

Loading efficiency is high because soil is hardly stuck on it; durable with enhanced design.

Suitable for light or loose materials.



BUCKET

optional 2.65m³ rock bucket is powerful during digging by greatly reducing cutting resistance of bucket teeth;

bucket is more durable by reducing the wear and impact of the rock on the om of the bucket. The stability of the whole machine is improved, and the ration is more comfortable.

Suitable for high abrasion applications like quarry or rock.



IDERCARRIAGE

rger grounding area for higher stability of the machine; inforced design for higher durability;

Long undercarriage with 9 track rollers, which are tightly engaged with the chain for stronger bearing capacity;

The carrier rollers are replaced by track rollers, which are supported at both sides, with stronger bearing capacity and more effective protection for the track.







ZE500G-Europe



The cab is equipped with a comfortable suspension seat, which can relieve the fatigue of the user.
The large-stroke adjustable armrest box, armrest and seat provide

the most comfortable state for the user.
Large area glass provides the cab with high transmittance.

Large space and comfortable working environment are conducive to the improvement of operator productivity.

ZE500G is equipped with radio as standard configuration and provides an AUX interface to connect mobile devices to the in-machine entertainment system.

The large touch screen at the front right provides the operator with convenient operation and in-depth technical experience.

The multi-function integrated panel on the right side allows the operator to perform one-button start and gives consideration to the operators who get used to using physical keys. The temperature controlled storage box at the right rear provides the operator with a suitable food storage location.









SAFE AND **EQUIPMENT**

The safety performance of ZE500G meets the latest industry standard. It provides various safety configurations, which minimizes the work safety risks of the personnel near and inside the equipment. The travel alarm lamp, emergency stop switch, high-density anti-skid cover and around view camera provide guarantee for safety.







The enhanced cab adopts an optimized high-strength frame of high impact resistance and durability.

Low-noise design makes the working environment more comfortable.

High-power air conditioner and optimized air duct design, which brings more comfortable body feeling.

The aftertreatment unit is placed under the right hood which is normally closed, preventing injuries to personnel in the high temperature area of the aftertreatment unit.

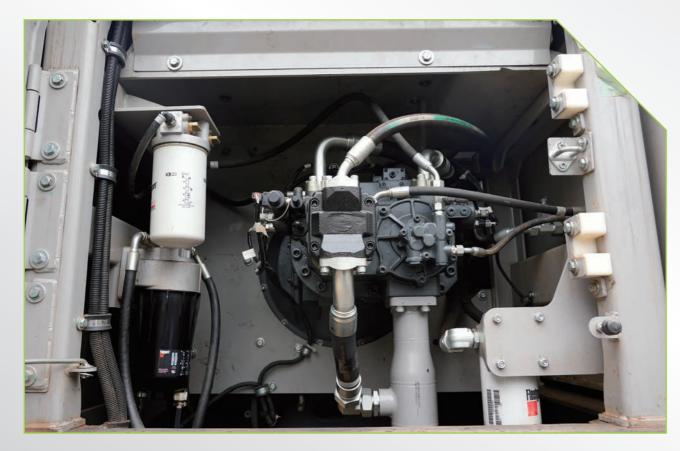






"ONE-STOP" MAINTENANCE

Most of the filters are placed in one location for easy and quick inspection and maintenance.



ZOOMLION MAINTENANCE:

ZOOMLION Maintenance is a maintenance program installed on ZOOMLION machines. It reminds the customer to replace the maintenance parts and record the time of the next maintenance. ZOOMLION service personnel can also maintain the machine through this program. For relevant terms and conditions, please contact your local ZOOMLION distributor.



DEF SYSTEM:

The DEF tank is placed near the toolbox and a side door can be opened to facilitate the replacement of DEF pump filter element.















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MODEL	А	В	С	D	E	F	G	Н	1
ZE500G	476	476	110	110	580	735	678	26	3000
MODEL	J	К	L	М					
ZE500G	493	3325	780	740					



POWERFUL PERFORMANCE:

- ZE500G has a first-class level of arm and bucket digging force, suitable for various working conditions.
 ZE500G has the highest drawbar pull compared to other products of a similar level and meets a variety of working environments.

Thanks to its powerful performance. ZE500G is suitable for engineering or mining, it can do any work required by customers. Zoomlion ZE500G will be the biggest strength of customers.

The displacement and speed ratio of the travel motor are larger, and the drawbar pull is increased by 10%. The strong drawbar pull ensures that the machine can travel and turn freely on rough construction sites.

The fuel tank has a capacity of 820L, and there is no need to refuel for three shifts of work.

Adopting a large diameter main valve, optimizing the valve spool structure, reducing the friction between hydraulic oil and plumbing, and reducing oil duct pressure loss was reduced by more than





Adopting a large diameter main valve, optimizing the valve core structure, reducing the friction between hydraulic oil and plumbing, and reducing oil duct pressure loss was reduced by more than 20%.

Large displacement dual swing motor, mature technology, large swing torque, fast start, and fast swing speed.





The key parts of D-shaped side beam on upper frame are thickened, and combined with the anti-collision beam, the overall strength of it is higher.

Anti-collision beam

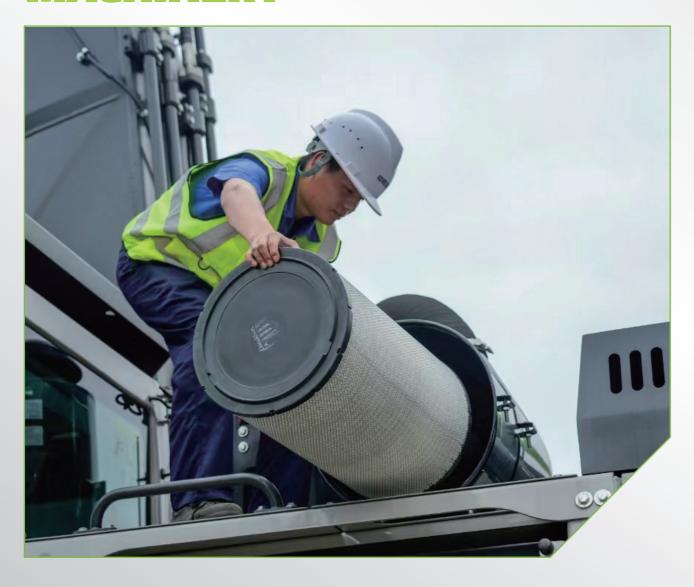
The key parts of undercarriage are thickened and cross section is enlarged, to realize higher overall strength, making it more suitable for harsh working conditions.

Standard 2-grouser reinforced track

The track frame of undercarriage adopts a large slope design, which reduces sediment accumulation and ensures smooth operation of the machine.

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YOU CAN TRUST ZOOMLION MACHINERY



Long-life maintenance parts:

ZE500G has upgraded superior hydraulic oil and filter element compared with the previous generation, which prolongs the maintenance interval and reduces the maintenance frequency.

Hydraulic oil filter elements



Special hydraulic oil











ZOOMLION SERVICE

- 1. We can provide follow-up service for new machines.
- 2. We have several subsidiaries and warehouses in Europe, which ensures the timeliness of spare parts supply.







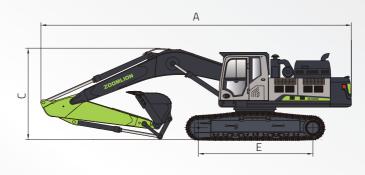


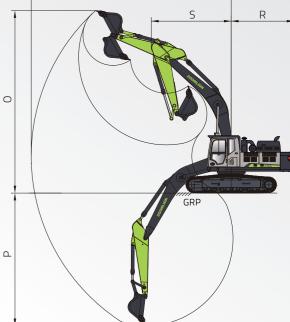
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	ZE500G
	ENGINE
Brand	Cummins
Model	X12
Rated power	298 kW @ 2100 rpm
Emission standards	EU Stage V
Displacement	11.8 L
	HYDRAULIC SYSTEM
Main pump	Two variable displacement piston pumps Maximum flow: 2×372 L/min
Pilot pump	One gear pump Maximum flow: 23.3 L/min
Maximum pressure - Equipment	34.3 MPa
Maximum pressure - Swing	28.4 MPa
Maximum pressure - Travel	34.3 MPa
Maximum pressure - Boost	3.9 MPa
Maximum pressure – Pilot system	37.3 MPa
	UPPER FRAME
Maximum swing speed	9.2 r/min
Maximum swing torque	154 kNm
	UNDERCARRIAGE
Number of carrier rollers (each side)	2 (Two sides supported track rollers)
Number of track rollers (each side)	9
Number of track guard (each side)	FULL
Travel speed (high)	5.5 km/h
Travel speed (low)	3.3 km/h
Maximum drawbar pull	404 kN
Gradeability	70%
	SERVICE REFILL CAPACITIES
Fuel tank	820 L
Engine coolant	55 L
Engine oil	44 L
Swing drive	2×5.3 L
Final drive (each side)	15 L
Hydraulic system	550 L
Hydraulic tank	310L
DEF tank	58 L

TECHNICAL SPECIFICATIONS

	ZE500G
	OVERALL DIMENSIONS
A Overall length	11785 mm
B Overall width	3610 mm
C Overall height	4015 mm
D Track gauge	2750 mm
E Length of track on ground	4400 mm
	WORKING RANGE
O Maximum digging height	10055 mm
P Maximum digging depth	6495 mm
Q Maximum digging reach	10765 mm
R Tail swing radius	3885 mm
S Front minimum swing radius	4440 mm







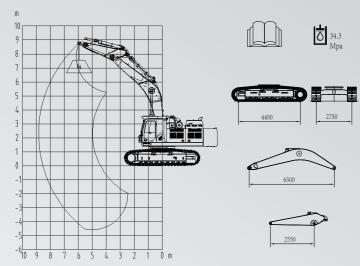
Category	Features	ZE500G
Powertrain	Air cleaner	•
Powertrain	Swirl type air pre-cleaner	•
	Boom cylinder hose burst valve	•
Hydraulic system	Arm cylinder hose burst valve	•
riyuradiic system	Attachments plumbing	•
	Quick coupler plumbing	•
	Mesh guard	0
	Skeleton guard	•
	Fire extinguisher	•
	Air suspension seat	•
Cab	Sunshade curtain	•
	Air conditioner	•
	Multifunctional joystick	•
	600mm track	•
Undercarriage	700mm track	0
	800mm track	0
	Acousto-optic alarm	•
	Emergency stop	•
	12V DC outlets	•
	Rear view camera	•
	Cab front light	• 2 pcs
	Boom light	● 2 pcs
Electrical system	Upper frame light	● 1 pc
	Refilling pump	•
	GPS	•
	AM/FM radio	•
	Right view camera and light	•
	Counterweight light	•
	Cab rear light	•
	Cylinder sleeve	0
Others	Cab rear mirror	● 1 pc
Others	Handrail rear mirror	● 1 pc
	Auto greasing system	0

LIFT CAPACITY



Do not attempt to lift or hold any load that is greater than these rated values at their specified lift-point radius and height.

The lift point is located at the centreline of the bucket pivot mounting pin on the arm.



					ZE	500G Ra	ted lift ca	pacity (k	g)					
LPH	LPR											Lift capacity at		
	3.0m		4.5m		6.0m		7.5m		9.0m		maximum radius			
m	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	m	
7.5											10755*	8878	7.1	
6.0					12347*	12329	10649*	7905			10302*	6734	8.0	
4.5					13915*	11526	11297*	7619			10159*	5693	8.5	
3.0					15514*	10636	12057*	7210			10159*	5152	8.8	
1.5					16483*	9936	12570*	6839			10225*	5014	8.8	
Grade			22221*	15180	16480*	9582	12507*	6617			10291*	5237	8.5	
-1.5			20161*	15365*	15370*	9551	11475*	6606			10224*	5997	7.9	
-3.0	19949*	19949*	16697*	15853	12740*	9817					9732*	7642	7.0	
-4.5			10620*	10620*							7878*	7878*	5.5	

Capacities marked with an asterisk (*) are limited by hydraulic capacities. See Note 2.

- The mass of slings and any auxiliary lifting devices shall be deducted from the rated load to determine the net load that may be
- Lift capacities are based on the machine standing on a firm, uniform supporting surface. The user shall make allowances for job conditions such as soft or uneven ground.
- The operator should be fully acquainted with the Operator's Manual and the Operating Safety Manual furnished by the manufacturer before operating the machine.
- NOTE 1 Lift capacities shown are without the power boost feature engaged.
- NOTE 2 Lift capacities shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities.
- NOTE 3 The least stable position is over the side.
- NOTE 4 Lift capacities apply only to the machine as originally manufactured and normally equipped by the manufacturer.
- NOTE 5 The total mass of the machine is 51000 / 53500kg; Included in this mass are 600mm triple grouser shoes, 6.5m boom, 3.0m arm, 9000 / 10000kg counterweight, all operating fluids and a 75kg operator.
- NOTE 6 Lift capacities are in compliance with ISO 10567:2007.

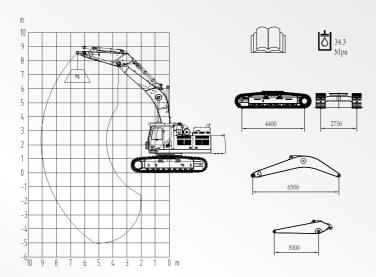
ZE500G-Europe ZE500G-Europe

LIFT CAPACITY



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The lift point is located at the centreline of the bucket pivot mounting pin on the arm.



LPH					ZE	500G Ra	ted lift ca	pacity (k	g)				
			Lift capacity at										
	3.0m		4.5m		6.0m		7.5m		9.0m		maximum radius		
m	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	m
7.5											9939*	8428	7.4
6.0							10121*	8152			9648*	6549	8.2
4.5			17689*	17689*	13201*	11726	10835*	7762			9590*	5485	8.8
3.0			21212*	16799	14889*	10727	11672*	7273	9739*	5029	9671*	4946	9.06
1.5			22891*	15391	16090*	9921	12314*	6827	9905*	4827	9829*	4768	9.05
Grade			22566*	14925	16388*	9451	12462*	6534			10010*	4915	8.8
-1.5	24820*	24820*	20916*	14973	15630*	9321	11810*	6454			10154*	5542	8.2
-3.0	22850*	22850*	17895*	15368	13549*	9499					10047*	6892	7.3
-4.5			12676*	12676*							9093*	9093*	5.8

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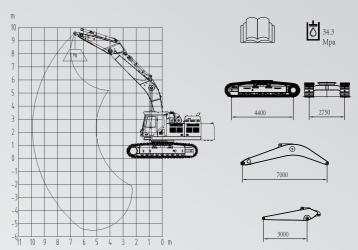
LIFT CAPACITY





Do not attempt to lift or hold any load that is greater than these rated values at their specified lift-point radius and height.

The lift point is located at the centreline of the bucket pivot mounting pin on the arm.



100					ZE	500G Ra	ted lift ca	pacity (k	(g)				
LPH			Lift capacity at										
	3.0)m	4.5m		6.0m		7.5m		9.0m		maximum radius		
m	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	m
7.5							8594*	7526			6786*	5619	8.4
6.0							9175*	7374	8097*	4652	6724*	4369	9.1
4.5					12982*	10919	10122*	7033	8437*	4559	6784*	3681	9.6
3.0					14819*	10107	11101*	6632	8888*	4378	7203*	3348	9.8
1.5					15949*	9484	11806*	6278	9193*	4298	7926*	3260	9.8
Grade			21961*	14978*	16083*	9148	11759*	6281	9113*	4073	7955*	3427	9.6
-1.5			20195*	15119*	15247*	9062	11419*	5955	8250*	4050	7884*	3906	9.1
-3.0			17383*	15425	13339*	9182	9776*	6035			7568*	4888	8.3
-4.5	17784*	17784*	12966*	12966*	9749*	9518					6552*	6552*	7.1

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