

CRAWLER EXCAVATOR 21T SERIES

ZE215E / ZE215E-10 / ZE215E ACE



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**VISION
CREATES
FUTURE**





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CONFIGURATION

02

RELIABILITY & DURABILITY

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CUSTOMER EXPERIENCE



ZE215E

Engine power : 112/1950 kw/rpm
Operating weight : 21500 kg
Bucket Capacity : 1.0 m³

ZE215E-10

Engine power : 124/2050 kw/rpm
Operating weight : 21700 kg
Bucket Capacity : 1.0 m³

ZE215E ACE

Engine power : 128.5/2100 kw/rpm
Operating weight : 21680 kg
Bucket Capacity : 1.0 m³



CONFIGURATION & EFFICIENCY

European stage II / III emission standard
Two-stage fuel filtration system
Air filtration system with desert filter element



POWER SYSTEM

ENGINE CONFIGURATION: 6-cylinder, four stroke cycles, water-cooled, direct injection, turbocharged



CUMMINS for ZE215E/ZE215E-10

The powerful, robust and durable CUMMINS engine reduces fuel consumption and delivers maximum efficiency. Fuel consumption is reduced thanks to the smart power enhancement mode and three-stage automatic idling function.



ISUZU for ZE215E ACE

More powerful and reliable ISUZU engines are selected to meet the needs of specific regions.

TWO-STAGE FUEL FILTRATION SYSTEM

Cummins patented technology of pre-filter element clogging visualization, positive-pressure fuel loop, and high-precision filter element can meticulously protect the engine. Fuel system adopts fuel strainer that is easy to be maintained and with low cost



AIR FILTRATION SYSTEM WITH DESERT FILTER ELEMENT

Maintenance free, high-precision and large-capacity filter is adopted to ensure reliability of the machine under harsh working conditions, thus effectively maintaining lasting power.



HYDRAULIC SYSTEM

MAIN PUMP

Large-displacement main pump reduces engine speed, lowers fuel consumption, enhances work efficiency and lowers machine noise.

MAIN VALVE

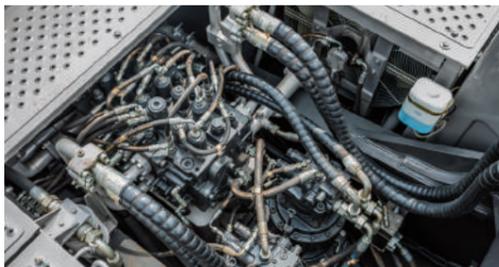
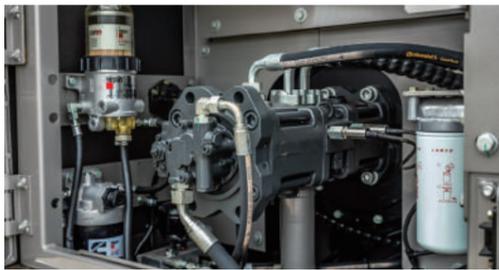
Main valve in new structure adjusts the main valve element, reduces the valve internal resistance, improves the efficiency and improves the control of simultaneous movements.

SLEWING MOTOR

Large-torque motor from internationally renowned brand ensures quick start and increases rotational speed.

TRAVELING MOTOR

Tailored traveling motor from world-famous brand brings top drawbar pull in the industry, thereby improving traveling and steering adaptability in slope and off-road conditions.



**LARGE-DISPLACEMENT MAIN PUMP
NEW STRUCTURE MAIN VALVE**



FUNCTIONS

Video display, GPS, traveling alarm (acoustic and visual), pilot filter soiled alarm, return line filter soiled alarm are all optional functions.

MAIN ELEMENTS

New model of monitor, operation upgrade of monitor, friendly and elegant man-machine interface, new model of controller, thus improving performance.

INSTALLATION LOCATION

Monitor location is unchanged. Controller is moved from cab interior to cab rear. High quality and reliability ensure no frequent maintenance.

CONNECTOR

All series adopts America DEUTSCH connectors, which are firmly connected for optimized water-proof performance and high-temperature resistance performance.

COOLING SYSTEM

Radiator type: three plate-fin type radiators of water radiator, oil radiator, air-air inter-cooler are connected in parallel, providing high-strength radiator and high cooling efficiency.

Cooling performance: The cooling system is designed according to the ambient temperature of 48°C, which ensures the reliable operation of power system and hydraulic system and improves the reliability of the whole machine.



ELECTRICAL SYSTEM

Reoptimized electronic control program, adjusted PID control parameters and current value, achieving prompt and timely response of the hydraulic system, more accurate control, perfect matching of hydraulic system and power system.



RELIABILITY & DURABILITY



- The center of gravity of the frame is low, offering improved stability of the whole machine.
- More stable structure thanks to upgraded form of X-frame rib plate.
- The structure of the guide seat is upgraded to achieve improved anti-deformation capability and better guiding effect.
- The bracket for carrier roller is upgraded into the one for track roller.
- Driving seat is more durable thanks to its upgraded structure.



STRUCTURE ELEMENTS

As the industry-leading excavator manufacturer, Zoomlion has made the heavy-duty undercarriage kit available to the medium-tonnage excavator models. Consequently, the machine enjoys higher reliability and durability thanks to the following improvements:

- Thickened plates for key locations by adopting imported wear resistant steel plate
- Optimal design of track rollers
- Reinforced platform and work equipment.

WORK EQUIPMENT

Forging materials and cast steel are used in many parts, thus ensuring high-tensile structure and enduring high quality.



COMFORT & INTELLIGENCE

CAB

- Operation comfort
- Complete configuration
- High safety
- Noise reduction due to high sealing performance



The cab is in frame structure, which adopts high-tensile closed type profile and strengthened beam for enhancing stiffness and rigidity of the cab and improving safety.



Equipped with world-famous pneumatic spring shock-absorbing seat, for effectively reducing cab vibration and eliminating driver's fatigue.



New-type high-resolution monitor: machine information can be displayed clearly and can achieve automatic switch over of traveling / video.



All recreational functions such as CANBus radio, USB and Bluetooth are available.



Additional lights installed around the cab for wider view in the job site.



Rearview mirrors are installed on both sides of the cab



Safety device in the cab



CONVENIENT MAINTENANCE



All maintenance points in centralized distribution are easily accessible. Maintenance time is shortened by 32 percent.

All maintenance points in centralized distribution which are accessible from ground level help to save maintenance time.

ONE-STOP MAINTENANCE



<p>01</p> <p>Air filter</p>	<p>02</p> <p>Fuel filter</p>	<p>03</p> <p>Engine oil filter</p>	<p>04</p> <p>Battery</p>	<p>05</p> <p>Radiator cleaning</p>	<p>06</p> <p>Pilot oil filter</p>
					

CUSTOMER EXPERIENCE



AURORA GREEN



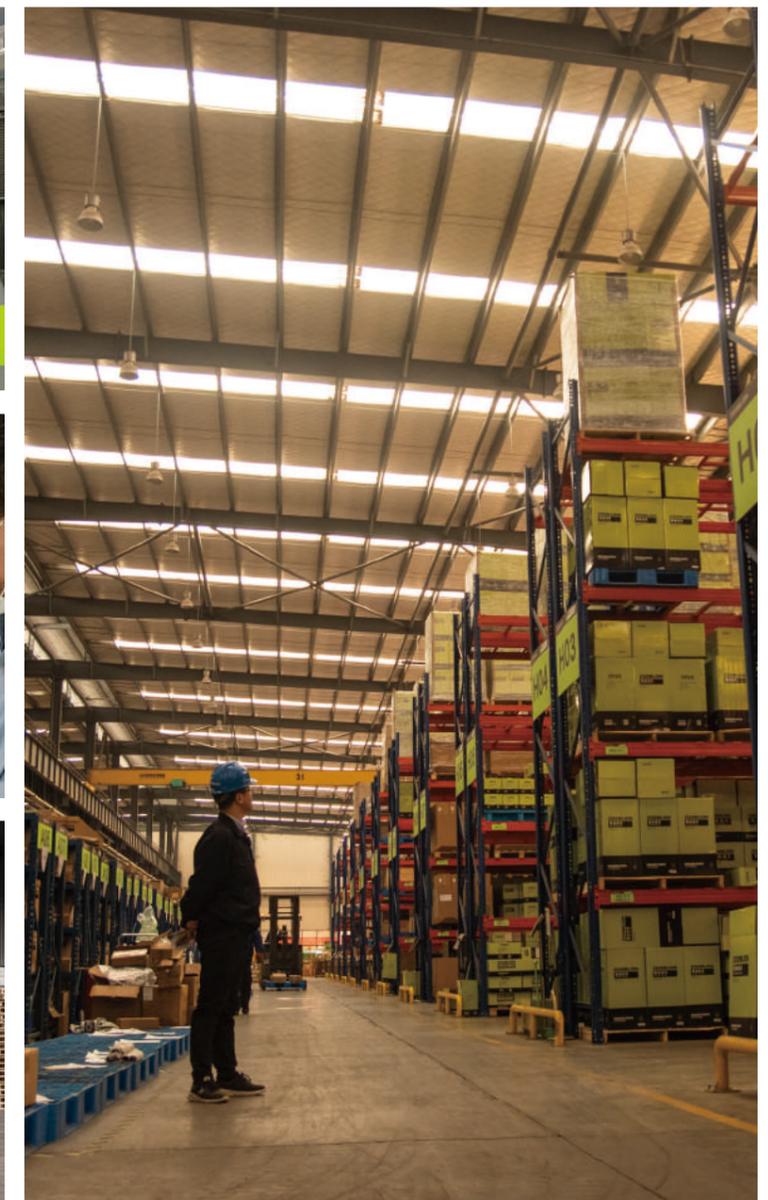
COSMIC GRAY



GRAVEL GRAY

Exclusively customized by the top international design company ZAGATO
The only paint color combination applied for registration protection in the industry.

Zoomlion's service personnel and spare parts warehouse cover all sales regions in the world, providing professional and considerate after-sales service, delivering spare parts accurately and promptly for global customers.





ZE215E	
OVERALL DIMENSIONS	
A Overall length	9555mm
B Overall width	2800mm
C Overall height (to boom top)	3085mm
D Tail slewing radius	2840mm
E Tail length	2800mm
F Counterweight ground clearance	1050mm
G Minimum ground clearance	440mm
H Length of track on ground	3380mm
J Track length	4180mm
K Track gauge	2200mm
L Track shoe width	600mm
M Grouser height	26mm
N Total height (cab top)	2990mm
P Slewing table width	2720mm
WORK RANGE	
A Maximum digging radius	9830mm
B Maximum digging radius on the ground	9650mm
C Maximum digging depth	6610mm
D Maximum vertical digging depth	5760mm
E Maximum digging height	9615mm
F Maximum dumping height	6785mm
G Minimum slewing radius	3290mm
Bucket maximum digging force (ISO)	157kN
Stick maximum digging force (ISO)	110kN
ENGINE	
Model	6BTAA5.9-C (150hp)
Type	6 cylinders, four stroke cycles, water-cooled, direct injection, turbocharged, inter-cooled
Rated power	112kW (150hp) /1950rpm
Maximum torque	614N.m/1500rpm
Bore × stroke	102×120mm
Displacement	5883ml
Starting motor	24V
Alternator	70A

ZE215E ACE	
OVERALL DIMENSIONS (STD STICK: 2.925 M)	
A Overall length	9555mm
B Overall width	2800mm
C Overall height (to boom top)	3085mm
D Tail slewing radius	2840mm
E Tail length	2800mm
F Counterweight ground clearance	1055mm
G Minimum ground clearance	440mm
H Length of track on ground	3380mm
J Track length	4180mm
K Track gauge	2200mm
L Track shoe width	600mm
M Grouser height	26mm
N Total height (cab top)	3020mm
P Slewing table width	2720mm
WORK RANGE (STD STICK 2.925 M)	
A Maximum digging reach	9830mm
B Maximum digging reach on ground	9650mm
C Maximum digging depth	6610mm
D Maximum vertical digging depth	5760mm
E Maximum digging height	9615mm
F Maximum dumping height	6785mm
G Minimum slewing radius	3290mm
Bucket maximum digging force	157kN
Stick maximum digging force	110kN
ENGINE	
Model	ISUZU CC-6BG1TRP
Type	6 cylinders, four stroke cycles, water-cooled, direct injection, turbocharged, inter-cooled
Rated power	128.5kW/2100rpm
Maximum torque	637.9Nm/1800rpm
Bore × stroke	105×125mm
Displacement	6494ml
Starting motor	24V
Alternator	50A

ZE215E-10	
Overall Dimensions (STD stick: 2.925 m)	
A Overall length	9555mm
B Overall width	2990mm
C Overall height (to boom top)	3085mm
D Tail slewing radius	2840mm
E Tail length	2800mm
F Counterweight ground clearance	1055mm
G Minimum ground clearance	440mm
H Length of track on ground	3460mm
J Track length	4250mm
K Track gauge	2390mm
L Track shoe width	600mm
M Grouser height	26mm
N Total height (cab top)	3020mm
P Slewing table width	2720mm
WORK RANGE (STD STICK 2.925 M)	
A Maximum digging reach	9870mm
B Maximum digging reach on ground	9650mm
C Maximum digging depth	6610mm
D Maximum vertical digging depth	5760mm
E Maximum digging height	9720mm
F Maximum dumping height	6890mm
G Minimum slewing radius	3290mm
Bucket maximum digging force	147kN
Stick maximum digging force	105kN
ENGINE	
Model	Cummins QSB7(166hp)
Type	6 cylinders, four stroke cycles, water-cooled, high-pressure common-rail electric-control, turbocharged, inter-cooled
Rated power	124kw (167hp) /2050rpm
Maximum torque	658N.m/1300rpm
Bore × stroke	107×124mm
Displacement	6700ml
Starting motor	24V
Alternator	70A

