



SDLG machines are built to be like the people that own them: hardworking, genuine and reliable. Cost effective, robust machines with fuel efficient engines that are easy to operate and easy to maintain. And when you need parts or service, you can trust your dealership to deliver on the SDLG promise: **Reliability in Action.**



Congratulations SDLG for winning
EFQM Global Excellence Award
One of the top three quality awards in the world

Shandong Lingong Construction Machinery Co., Ltd

Add: Lingong Industry Park, Economic Development Zone, Linyi, Shandong, P, R, C.
Tel: 0086-531-66590966 Fax: 0086-531-66590959 E-mail: export@sdlg.com

Member of the VOLVO Group Since 2007

SDLG is member of the Volvo Group and one of the largest manufacturers of construction machinery in China, with a wide network of dealerships and service workshops throughout the world.

Reliability in Action



E6215H
Hydraulic Excavator

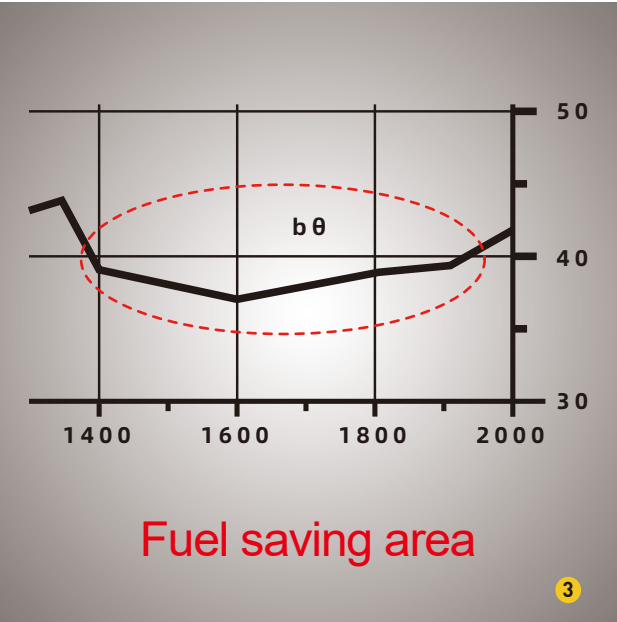
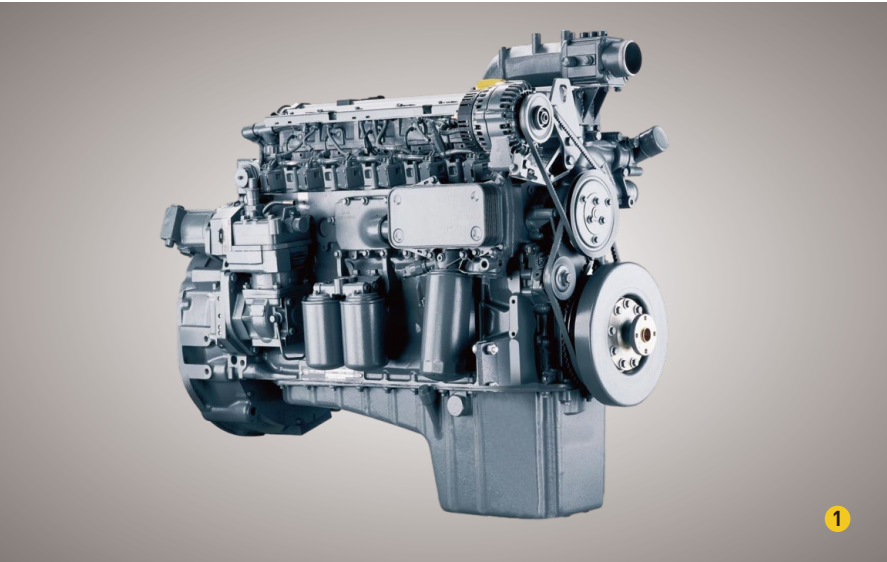


High efficiency and high adaptability

- 1 The electronically controlled unit pump can be powered by multi-grade fuels, the engine is durable, and the failure rate is low
- 2 The unit pump adopts a high-pressure fuel supply system to deliver high injection pressure, sufficient combustion and strong power
- The unit pump features low manufacture and maintenance costs
- 3 EECU controls the fuel supply throughout the process, and matches the relationship between the load and the output of the main pump, ensuring both performance and fuel consumption
- 4 The engine has multiple working modes, and can work in different working conditions thanks to the best fuel consumption



10% reduction in fuel consumption compared with the previous generation of product



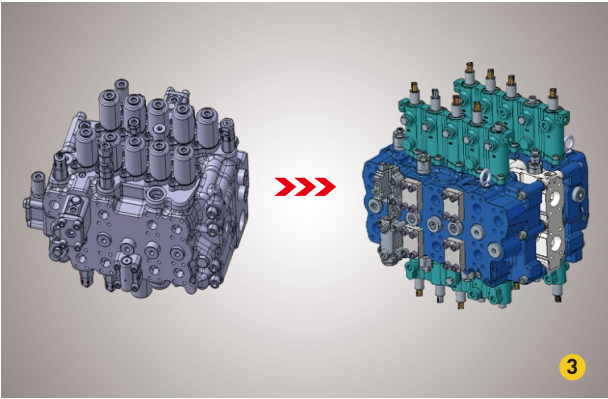
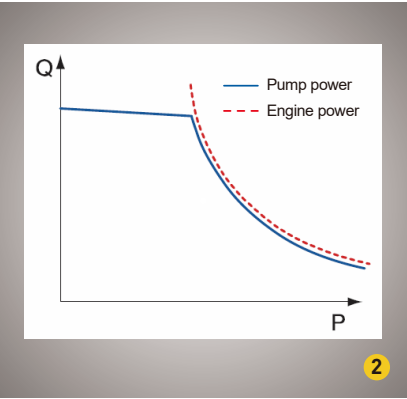
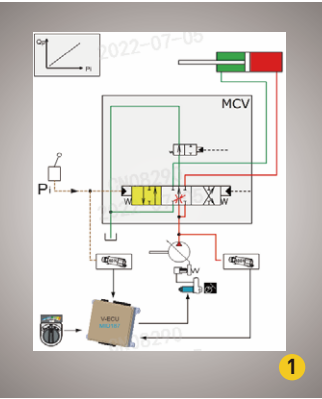
Unfair advantage, higher efficiency

E6215H excavator adopts the most advanced electronically controlled positive full flow control system. This system allows for perfect fit between the engine and the hydraulic system, as well as higher efficiency and performance

- 1 Electronically controlled positive full flow, fast system response
- 2 Positive flow enables higher engine utilization and efficiency
- 3 Electronically controlled main valve replacing the hydraulically controlled main valve generates fast response speed



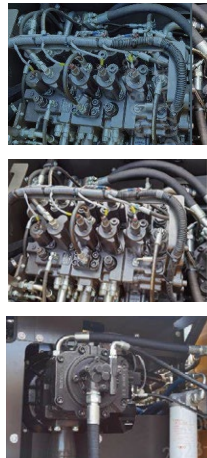
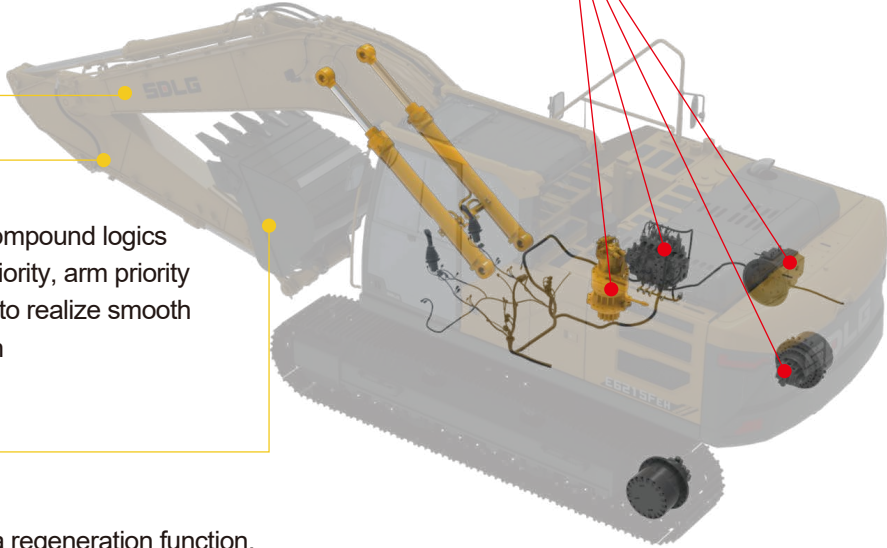
10% increase in operating efficiency compared with the previous generation product



- Both boom and arm are designed with dual-stem confluence, and the bucket and attachment also have confluence, so that they all can work more efficiently

- Designed with compound logics such as boom priority, arm priority and swing priority to realize smooth compound action

- The bucket has a regeneration function, and thus can work more efficiently



Reliable and durable

- 1 SDLG 22t chassis is adopted; the undercarriage is optimized through stress bearing analysis, the central load-bearing part is reinforced, and the frame has a large bearing capacity, so as to present a durable product
- 2 The carrier roller is supported on both sides, and the chassis is more sturdy
- 3 Longer wheelbase and track length than those of competitors, equivalent to 25T competitors, good operating stability, and suitable for heavy operating conditions
- 4 The boom and arm are welded with high-strength tensile steel plates, with high strength and low failure rate
- 5 The end of the arm is welded with stiffeners to effectively protect against scratches by materials
- 6 The bottom of the bucket and the easy-to-wear parts on the side are welded with wear-resistant plates to prolong the service life



- 7 The enlarged radiator improves the heat dissipation performance by 35%, and it also has the advantages of low hydraulic oil temperature and small leakage; besides, the auxiliary equipment such as the breaker and the hydraulic shear will not cause high temperature during operation
- 8 Larger fan for better heat dissipation
- 9 The machine is equipped with a three-stage fuel filter as standard, including a two-stage water separator filter element, which reduces moisture in the fuel, protects the engine, and prolongs service life



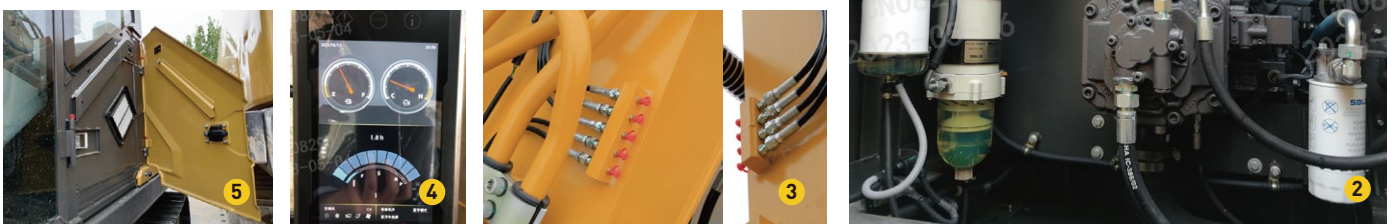
More comfortable and safer

- 1 Equipped with ROPS cab as standard for safer operation
- 2 8-inch intelligent LCD
- 3 Dual KEYPAD integrated control
- 4 Heating and cooling storage box
- 5 Wrap-around intelligent A/C outlet
- 6 Better left and right field of view, and support beam added for right window
- 7 New safety lock lever more secure
- 8 Multi-way seat adjustment, comfortable driving, no fatigue
- 9 Equipped with an emergency stop switch for engine shutdown in an emergency



Easy maintenance

- 1 Large hood opening for large maintenance space for filter elements
- 2 Centralized layout of filter elements for faster and more convenient maintenance
- 3 Lead-out layout of lubricating oil pipe for less daily maintenance time
- 4 IECU maintenance reminder, air filter blockage reminder, and water in fuel reminder
- 5 The E6215H A/C filter element is installed on the left outside of the cab. It is more convenient to replace the filter element with no removal of the guard plate needed



 ENGINE

	Unit	E6215H
Model	-	BF6M2012-17T2
Type	-	Four-stroke, twincharged, inter-cooled
Rated power	kW@rpm	127
Max. torque	Nm@rpm	700@1500
Displacement	ml	6060
No. of cyliners	-	6
Cylinder bore x stroke	Φ×mm	101×126
Emission	-	GB 20891-2007(China phase II)

 HYDRAULIC SYSTEM

	Unit	E6215H
Hydraulic system type	-	Double pump constant power positive flow control
Main pump	-	-
Max flow rate	L/min	2×230+18
Relief valve setting		
Implement circuit	bar	34/35.5
Travel circuit	bar	363
Swing circuit	bar	279
Pilot circuit	bar	390

 ELECTRICAL SYSTEM

	Unit	E6215H
System voltage	V	28
Battery voltage	V	24
Battery capacity	Ah	140
Alternator voltege	V	28
Starter voltage	V	24

 SERVICE REFILL CAPACITY

	Unit	E6215H
Fuel tank	L	390
Engine coolant	L	23.3
Engine oil	L	19
Swing drive	L	2×2
Travel drive	L	5×2
Hydraulic tank	L	110
Hydraulic system	L	220

 DRIVE AND BRAKES

	Unit	E6215H
Drive motor	-	-
Max drawbar pull	kN	203
Max travel speed (low/high)	km/h	3.5/5.7
Service/parking brakes	-	Wet and disc type
Gradeability	°	35

 SWING SYSTEM

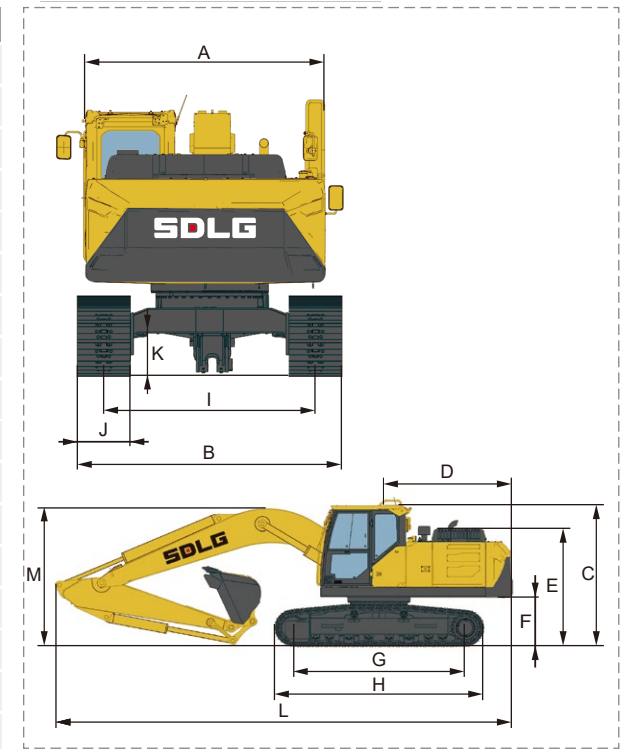
	Unit	E6215H
Swing motor	-	-
Swing brake	-	Wet and disc type
Swing speed	r/min	12.1

 UNDER CARRIAGE

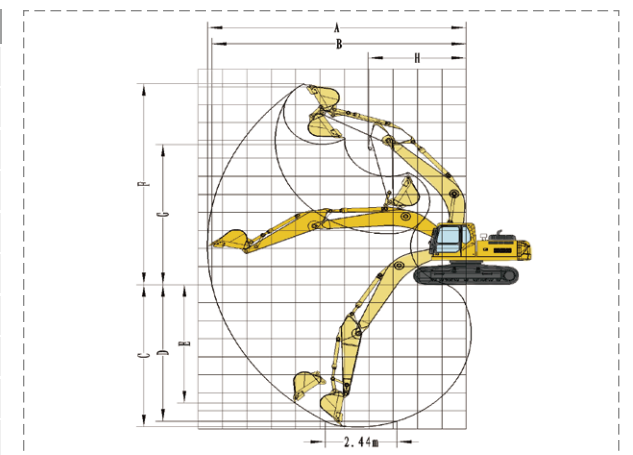
	Unit	E6215H
No. of track shoes	-	49×2
No. of top rollers	-	2×2
No. of bottom rollers	-	2×8
No. of track guards	-	2×2

 DIMENSIONS

	Unit	E6215H
Boom length	mm	5700
Arm length	mm	2900
A Overall width of upper assembly	mm	2700
B Overall width	mm	2990
C Overall height	mm	2940
D Tail swing radius	mm	2880
E Overall height of engine hood	mm	2510
F Counterweight clearance	mm	1032
G Wheel base	mm	3660
H Track length	mm	4460
I Track gauge	mm	2390
J Track shoe width	mm	600
K Min. ground clearance	mm	460
L Overall length	mm	9720
M Overall height of boom	mm	2940
Bucket capacity	m³	1.1
Operating weight	kg	22400

 EXCAVATING RANGE

	Unit	E6215H
A Max. digging reach	mm	9940
B Max.digging reach on ground	mm	9800
C Max. digging depth	mm	6730
D Max. digging depth (horizontal 2.44m)	mm	6550
E Max. vertical wall digging depth	mm	5830
F Max. digging height	mm	9450
G Max. dumping height	mm	6650
H Min. front swing radius	mm	3650
Max. digging force--bucket (ISO)	kN	140.1
Max. digging force--arm (ISO)	kN	101



* The right of final interpretation of the abovementioned parameters shall be reserved by SDLG. No further notice will be given in case of any change. Illustrations in the text may not always be the standard illustrations for this model.

 ATTACHMENTS

	Model	Capacity/m³	Width/mm	Weight/kg	Number of teeth/side cutters
Bucket	E6215H	0.85	1070	820	5/2
		0.9	1165	770	5/2
		0.9	1190	807	5/2
		0.95	1260	800	6/2
		0.95	1165	770	5/2
		1	1310	817	6/2
		1	1215	780	5/2
		1.05	1260	805	5/2
		1.1	1310	822	5/2
		1.2	1400	855	5/2
Breaker	Model	Diameter/mm	Weight/kg	Pressure/bar	Frequency/bpm
	E6215H	135	1680	160-180	360-460
		135	1930	160-180	360-460

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