



Reliability in Action



E6215H

Hydraulic Excavator

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.**



PART OF 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.



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



Babcock International Group [SDLG Authorised Dealer]

19 Taljaard Road, Bartlett, Boksburg, South Africa
Tel +27 (0) 11 230 7300 | enquiries babcock.co.za | www.babcock.co.za

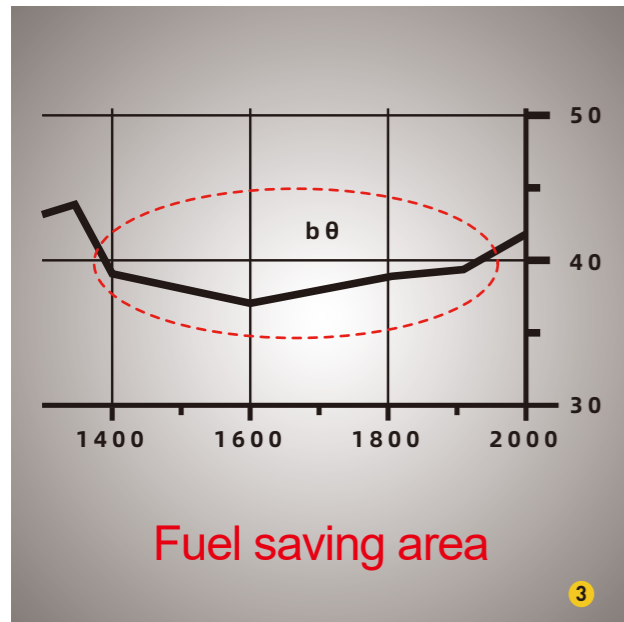
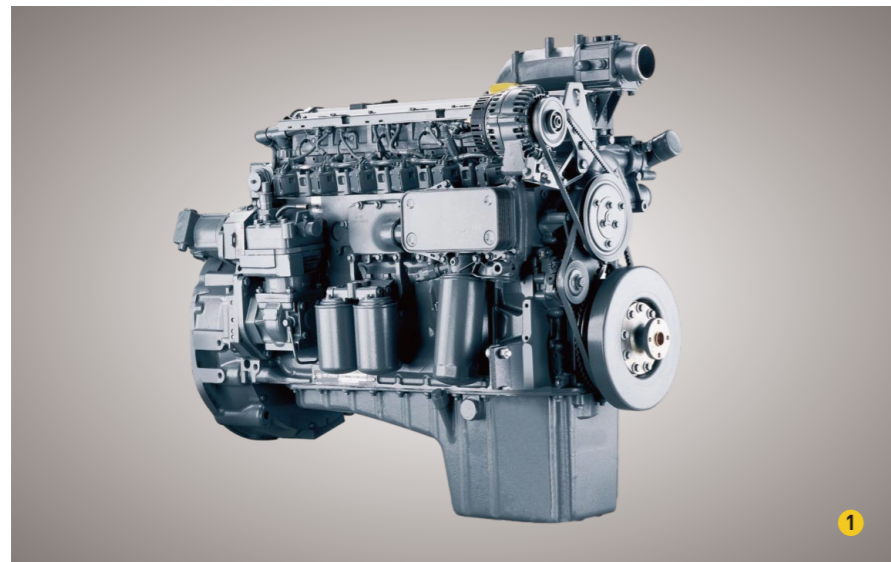


High efficiency and high adaptability

- 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



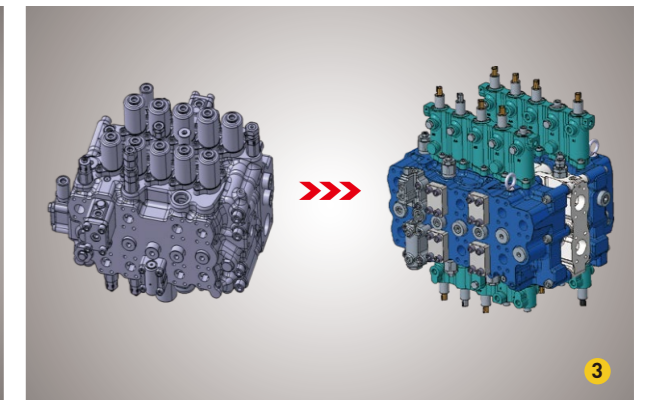
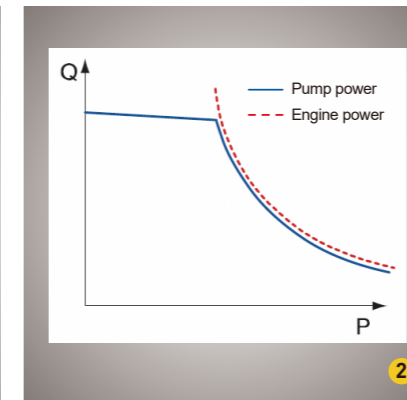
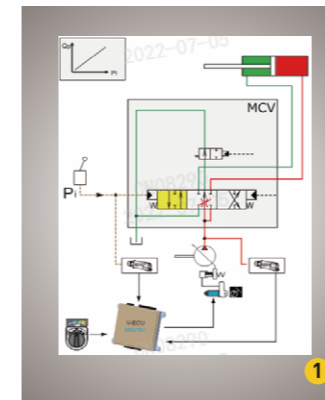
Unfair advantage, higher efficiency

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

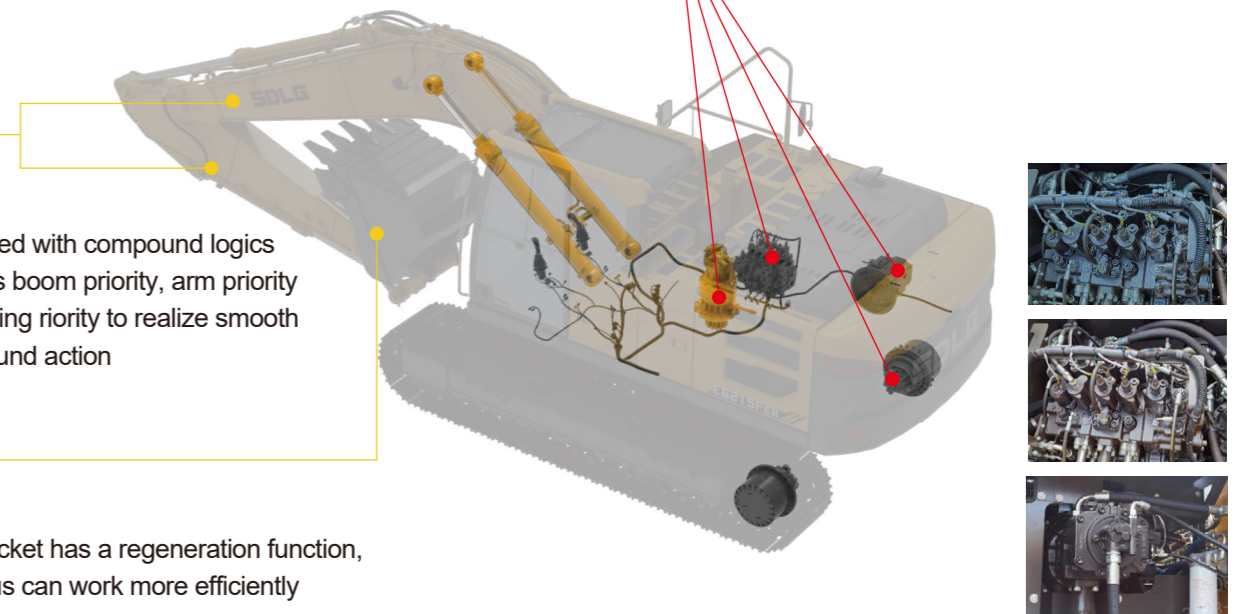


- Both boom and arm are designed with dual-stem confluence, and the bucket and attachment also have confluence, so that they all can work more efficiently

High flow capacity, large valve body fuel passage area, and small pressure loss

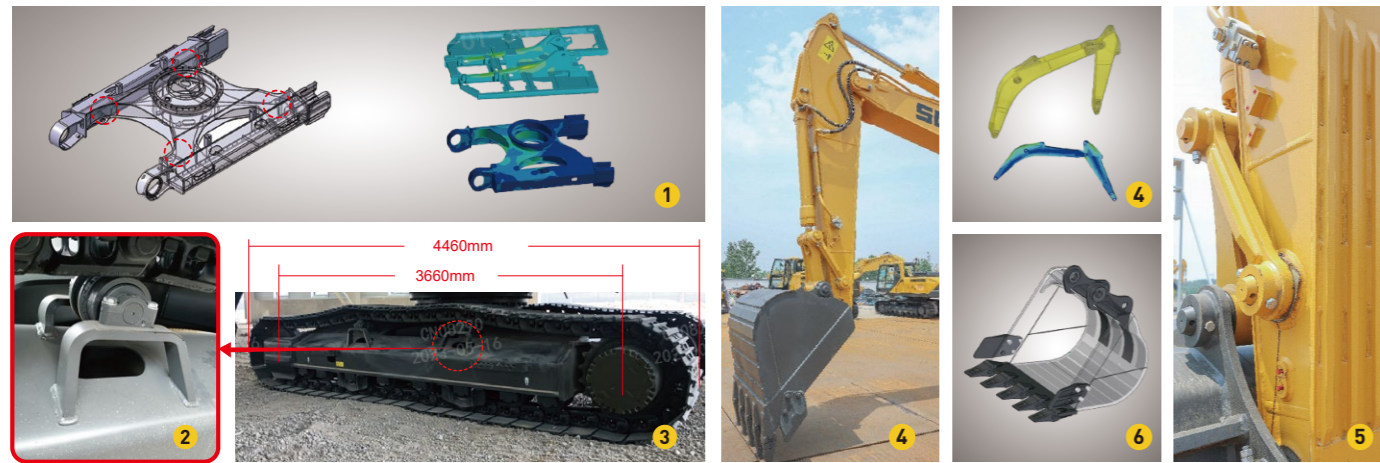
- Designed with compound logics such as boom priority, arm priority and swing priority to realize smooth compound action

- 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



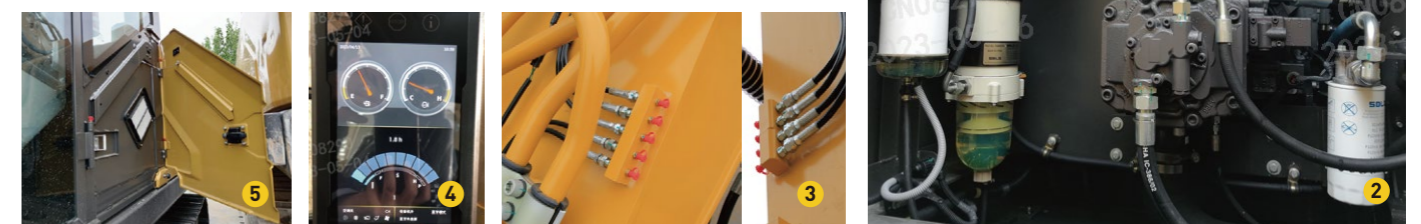
More comfortable and safer

- 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 cylinders | - | 6 |
| Cylinder bore x stroke | Φ×mm | 101×126 |
| Emission | - | GB 20891-2007(China phase II) |

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 |

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

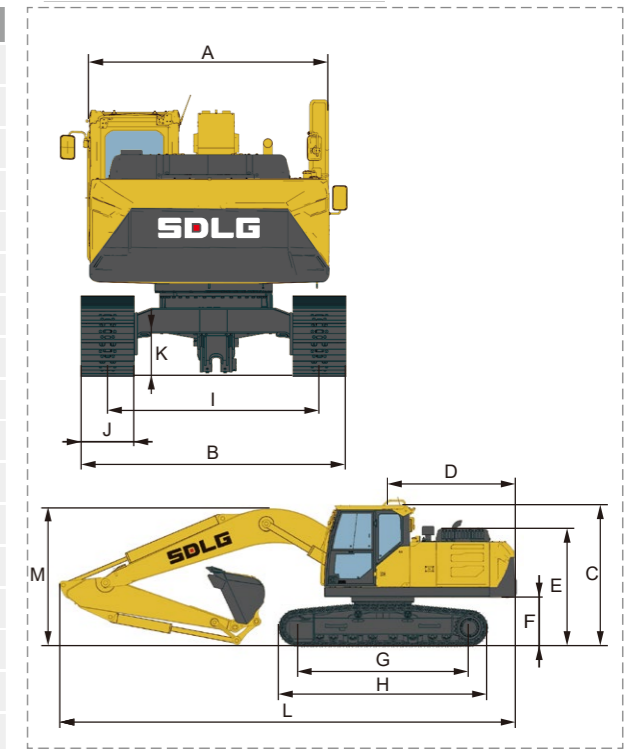
| | Unit | E6215H |
|--------------------|------|--------|
| System voltage | V | 28 |
| Battery voltage | V | 24 |
| Battery capacity | Ah | 140 |
| Alternator voltage | V | 28 |
| Starter voltage | V | 24 |

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 |

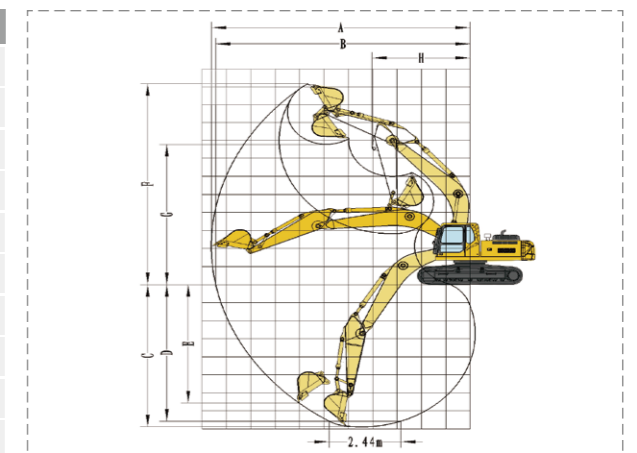
DIMENSIONS

| | 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 | m ³ | 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/m ³ | 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 |

* 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.