

Reliability in Action



E6205F/E6210F/
E6210FLC

Hydraulic Excavator



EFQM



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.**



EFQM
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Shandong Lingong Construction Machinery Co.,Ltd

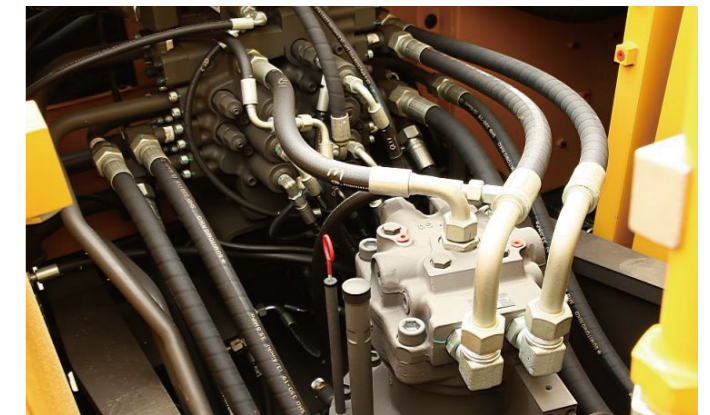
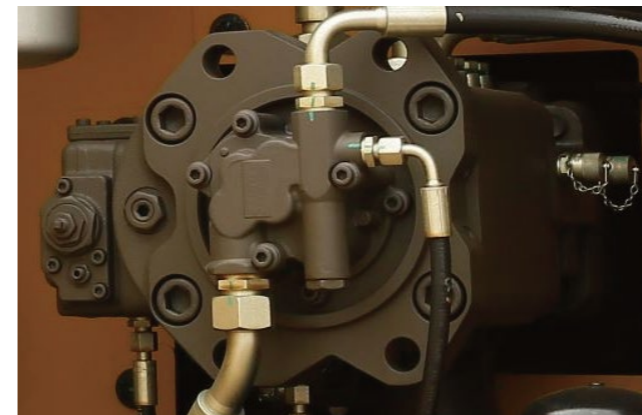
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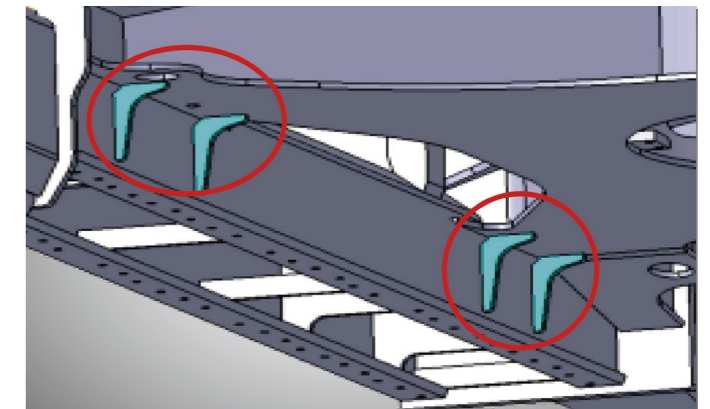
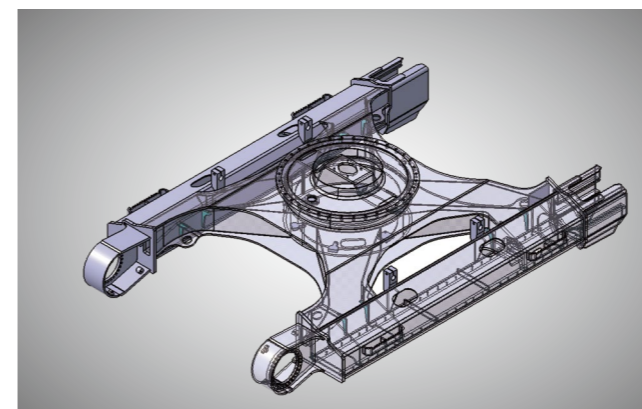
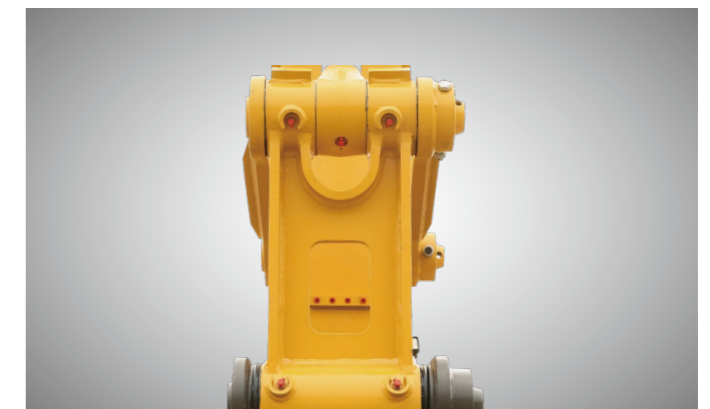
Adopting Lingong medium excavation platform combined with new engine and electronic control system, E6205F/E6210F/E6210FLC is a new energy-saving, comfortable, reliable, and environmentally-friendly product that is more suitable for loose material working conditions.

- Equipped with Lingong 21T platform and high-efficiency and energy-saving hydraulic system, E6205F/E6210F/E6210FLC moves fast and has good control
- The hydraulic system has the functions of intelligent merging, flow regeneration (boom and bucket rod), slewing priority and boom priority modes, etc., with short cycle time of action, good coordination of compound action and high operation efficiency



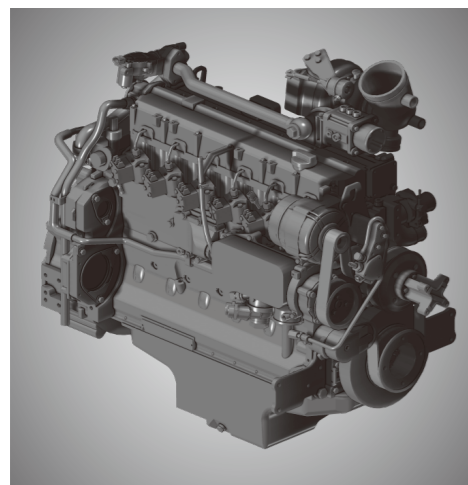
RELIABLE AND DURABLE

- The working device is made of high tensile strength steel plate, forged parts for the shaft seat, and large section spacer welded in the middle part. Detection with flaw detector after robot welding ensures reliability and durability
- Integral upper frame, uniform load distribution, good rigidity; reinforced lower frame, strengthening design for the stress concentration of the cross-beam parts, so that the cross-sectional strength is greatly improved
- High strength and solid casting pull rod is thickened overall to be more adaptable to the operation of heavy working conditions in mountainous areas. Self-lubricating bushings are used for key parts, bringing a long maintenance cycle, low maintenance cost and high durability



ENERGY-SAVING AND HIGH EFFICIENCY

- The engine adopts National III electronically controlled monoblock pump technology, with high fuel injection pressure, full combustion, strong power and low fuel consumption rate
- The injector channel inlet is equipped with a slit strainer to ensure the cleanliness of fuel entering the injector and good oil adaptability
- The engine automatically adjusts the power matching, which not only meets the efficiency demand in the high-speed section, but also reduces the fuel consumption in the economic zone in the middle-speed section; it has the function of automatically returning to idle speed, thus the energy saving and noise reduction effects are obvious



- Three-stage air filtration: The main filter element further filters the air entering the engine, and the safety filter element acts as its backing to play a protective role in case of failure of the main filter element. Therefore, the early wear of engine is effectively prevented and the engine life is prolonged
- Preheating when starting up at low temperature: When the temperature is below 5°C, the E-ECU controls the preheat relay to heat the air entering the combustion chamber. This effectively improves the cold start performance of the engine and reduces the damage to the engine, starter and battery caused by frequent starting



- The CAN bus communication technology is implemented to realize organic link of each electronic control unit, making the whole machine tend to be intelligent
- Oil-water separator with water level alarm: It reminds the operator to remove the water filtered out of the fuel system in time, and prevent the water from damaging the high-pressure oil pump and injectors and other precision components
- The electrical appliances are centrally arranged, far away from the fuel tank, which improves the safety of the machine



- The wide field of view, equipped with a sky window, reduces the driver's visual fatigue; the front windshield can be easily moved to the top; the front window of the lower part of the front windshield can be removed and placed in the cab door, which facilitates checking by enabling the driver to lean out of window during ditch excavati
The rear camera module is optional for powerful color multi-directional LCD monitor.on



- **Large Maintenance Space**
- The left and right hoods and the top engine hood have large opening angles for easy maintenance
- **Centralized Maintenance Points**
In the left hood, E-ECU, engine fuse, relay and engine air filter are arranged centrally; in the right hood, fuel filter, engine filter and main pump pressure measuring port are arranged centrally; in the top hood, intake preheating, intercooling and expansion tank are arranged centrally, which facilitates maintenance
- The oil-water separator is equipped with an electric pump, so when the fuel filter is replaced or the oil is cut off, there is no need to pump the oil manually, which saves time and energy
- The rear part of the boom is centrally arranged with lubrication points for each working device pin, which facilitates maintenance

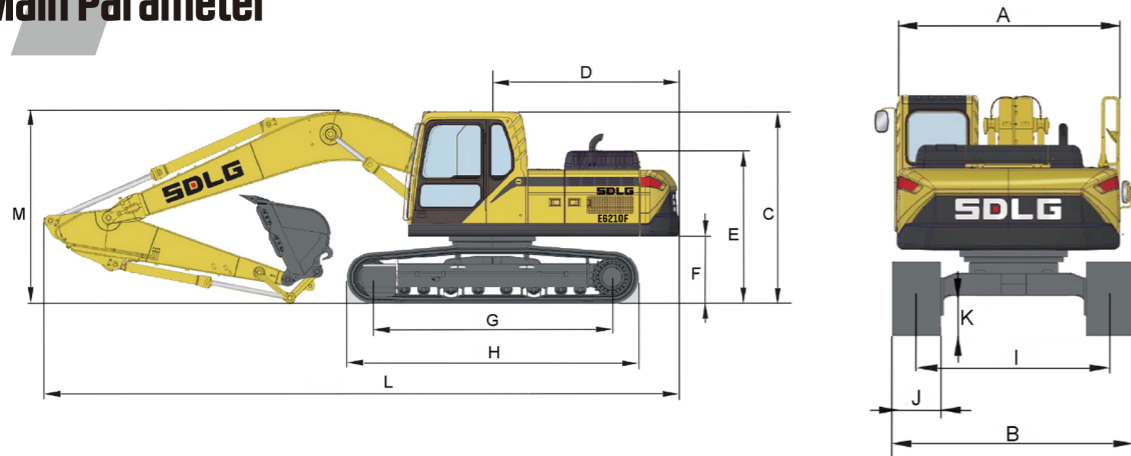


COMFORTABLE AND CONVENIENT

- The engine, cab and deluxe seat are damped at three levels, and silicone oil damper is used for comfortable driving; the handle is added on the inside of the cab door, and the door can be closed while sitting, which is comfortable and convenient to operate; the super large door glass enlarges the side view

E6205F/E6210F/E6210FLC

Main Parameter



Item	Specifications		
	E6205F	E6210F	E6210FLC
Overall dimensions			
Overall width of upper assembly (A)	2700mm	2700mm	2700mm
Overall width (B)	2800mm	2800mm	2990mm
Overall height (C)	2940mm	2940mm	2940mm
Tail swing radius (D)	2880mm	2880mm	2880mm
Overall height of engine hood (E)	2345mm	2345mm	2345mm
Ground clearance of counterweight (F)	1032mm	1032mm	1032mm
Wheelbase (G)	3370mm	3370mm	3660mm
Crawler length (H)	4170mm	4170mm	4460mm
Crawler gauge (I)	2200mm	2200mm	2390mm
Crawler pad width (J)	600mm	600mm	600mm
Min. ground clearance (K)	460mm	460mm	460mm
Overall length (L)	9720mm	9720mm	9720mm
Overall height of boom (M)	2940mm	2920mm	2940mm
Overall parameters			
Bucket capacity	0.95m ³	1.0m ³	1m ³
Overall operating weight	21250kg	21250kg	21700kg
Max. excavation force	147.1kN	147.1kN	147.1kN
Slew speed	12.1r/min	12.1r/min	12.1r/min
Traveling speed (low/high)	3.5/5.7km/h	3.5/5.7km/h	3.5/5.7km/h
Average ground pressure	46.3kPa	45.3kPa	45.3kPa
Max. digging radius	9940mm	9940mm	9940mm
Max. digging depth	6730mm	6730mm	6730mm

Item	Specifications		
	E6205F	E6210F	E6210FLC
Max. digging height	9450mm	9450mm	9450mm
Max. dumping height	6650mm	6650mm	6650mm
Min. front slewing radius	3650mm	3650mm	3650mm
Engine			
Model	B60-17T3R	BF6M2012	BF6M2012-17T3R/8
Type	Four-stroke, super-charged, inter-cooled	Four-stroke, super-charged, inter-cooled	Four-stroke, super-charged, inter-cooled
Engine power	119kW	123kW	123kW
Displacement	6060ml	6057ml	6057ml
Cylinder bore × stroke	101×126mm	101×126mm	101×126mm
Emission standard	GB 20891-2014(China PhaseIII)	GB 20891-2014(China PhaseIII)	GB 20891-2014
Min.fuel-consume ratio	210g/kW.h	193.4g/kW.h	200g/kW.h
Max. torque/speed	695N.m/1350r/min	695N.m	695N.m/1350r/min
Traveling/swing system			
Qty. of track rollers (single side)	2	2	2
Qty. of carrier rollers (single side)	7	7	8
Traveling brake type	Wet and disc type (hydraulic oil released and spring-loaded)	Wet and disc type (hydraulic oil released and spring-loaded)	Wet and disc type
Swing mode	Hydraulic drive internal tooth single-row ball-bearing	Hydraulic drive internal tooth single-row ball-bearing	Hydraulic drive internal tooth single-row ball-bearing
Swing brake type	Wet and disc type (hydraulic oil released and spring-loaded)	Wet and disc type (hydraulic oil released and spring-loaded)	Wet and disc type
Hydraulic system			
Hydraulic control type	Pilot proportional control valve	Pilot proportional control valve	Pilot proportional control valve
Hydraulic system type	Dual pump constant power negative flow control system	Dual pump constant power negative flow control system	Dual pump constant power negative flow control system
Max. flow	2×207+18L/min	2×207+18L/min	2×207+18L/min
Main pump model	FMP112APDT	K3V112DT	K3V112DT
Operating pressure	330/350kgf/cm ²	330/350kgf/cm ²	330/350kgf/cm ²
Main valve model	UX28	UX28	UX28
Arm cylinder - cylinder bore × diameter of piston rod × stroke	1-135×95×1540mm	1-135×95×1540mm	1-135×95×1540mm
Boom cylinder - cylinder bore × diameter of piston rod × stroke	2-125×80×1235mm	2-125×80×1235mm	2-125×80×1235mm
Bucket cylinder - cylinder bore × diameter of piston rod × stroke	1-120×80×1065mm	1-120×80×1065mm	1-120×80×1065mm
Fill capacity			
Fuel	350L	350L	350L
Engine oil	19L	19L	23.5L
Hydraulic oil	295L	295L	295L
Antifreeze	23.3L	-	23.3 L
Traveling reducer	2×5L	2×5.8L	2×5.8L
Slewing reducer fuel amount	4L	8.6L	8.6L