

可靠承载重托  
Reliability in Action



# LG6400E

液压挖掘机  
Hydraulic Excavator

# SDLG

山东临工工程机械有限公司  
Shandong Lingong Construction Machinery Co., Ltd.



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## 重载矿山型液压挖掘机

LG6400E是SDLG吸收VOLVO先进设计和制造技术的基础上，潜心研制的适合多种恶劣工况的升级产品，该系列产品采取高端配置、全球采购、精心制造，充分保障了产品的高可靠性和高回报率。

LG6400E, an upgraded product dedicatedly developed by SDLG on the basis of advanced technologies and manufacturing techniques introduced from VOLVO and applicable for various harsh working conditions, is the perfect expression of premium configuration, global sourcing and delicate manufacture, full guaranteeing its high reliability and rate of return.

# LG6400E

液压挖掘机  
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# LG6400E 液压挖掘机

## Hydraulic Excavator

### 液压系统 Hydraulic system

液压系统采用双泵恒功率负流量控制，具有“自动传感工作模式”和“单泵双泵供油可控”模式，工作效率高，整机操控性能优良。

The hydraulic system is applied with the twin-pump constant power negative flow control and has the "auto-sensing operating mode" and the "single-pump/twin-pump oil supply control mode", ensuring high working efficiency and excellent control performance of the complete machine.

### 工作装置 working device

配置重型工作装置、短斗杆，使整机具有更大的提升力、挖掘力，适应矿石挖掘要求，更短的循环时间，极大的提高工作效率。

The reinforced working devices and shortened arm are equipped, so that the complete machine has higher lifting force, higher digging force, better adaptability to harsh operating condition, shorter cycle time and higher working efficiency.

配有临工专有技术的 EECU、VECU 及 IECU 电子控制系统，使整机具有多种工作模式来适应不同工况，节能高效；配备彩色液晶监视器，具有自检、监视、紧急故障报警、GPS 定位和远程监控等功能，人机交互性好，操作维护方便。

The electronic control systems such as EECU, VECU and IECU of SDLG's proprietary technology are applied, allowing the machine to operate with a variety of modes to suit different conditions and enabling energy efficiency of the complete machine. The colour LCD monitor has the functions including self-inspection, monitoring, emergency fault alarm, GPS positioning and remote monitoring, ensuring good human-machine interaction and easy operation and maintenance.

回转系统采用大扭矩回转马达，转速快，坡上作业能力强，配置缓冲阀来平衡制动冲击，回转平稳，操作舒适。

The slewing system is applied with the large-torque and high-speed slewing motor, providing a strong working capability on slopes; the cushion valve is equipped to damp and balance the braking impact, enabling a stable slewing and a comfortable operation.

采用加宽底盘的 X 型下架及加强型上架，整机稳定性更高，轻松适应各种重载工况。配备重型防护板，产品在恶劣工况下可提高承受破坏的能力；重型底盘提高机器稳定性和挖掘能力。

The X-shape lower-structure with widened chassis and the reinforced upper-structure are applied, enabling higher reliability and high adaptability to various heavy-duty working conditions. The heavy-duty guard is applied for a higher tolerability to harsh conditions; and the heavy-duty chassis enhances the stability and excavation ability.

### 电气系统 Electrical system

### 回转机构 Swing mechanism

### 结构件 Structural parts

### 驾驶室 Cab

驾驶室宽敞明亮、视野开阔、密封效果好，配备高档减振座椅，双级过滤冷暖空调，硅油橡胶减振器，减振效果好，驾乘环境舒适。配备防落物保护装置，人机更安全。

The bright and spacious cab features wide field of vision and good sealing effect, and is equipped with the high-end shock absorbing seat, two-stage filtration A/C (cool/heat) and silicone oil rubber shock absorber with excellent damping effect; all of them offer a comfortable riding environment. The FOPS (falling object protection system) equipped increases the safety of human and machine.

### 发动机 Engine

原装进口临工专用低速大扭矩 13L 发动机，油耗低，动力强劲，可靠性高；具备 techtool 故障检测接口，可方便实现发动机的检测与维护；采用三级空气过滤，三级机油过滤和二级燃油过滤，精心呵护发动机，延长发动机的使用寿命。

It is applied with the imported 13L low-speed and large-torque engine specific to SDLG, which features low fuel consumption, strong power and high reliability; the techtool fault detection interface allows for easier engine inspection and maintenance; the air filter and oil filter are of three-stage and the fuel filter are of two-stage, which can protect the engine well and thus prolong its service life.

### 行走机构 Traveling mechanism

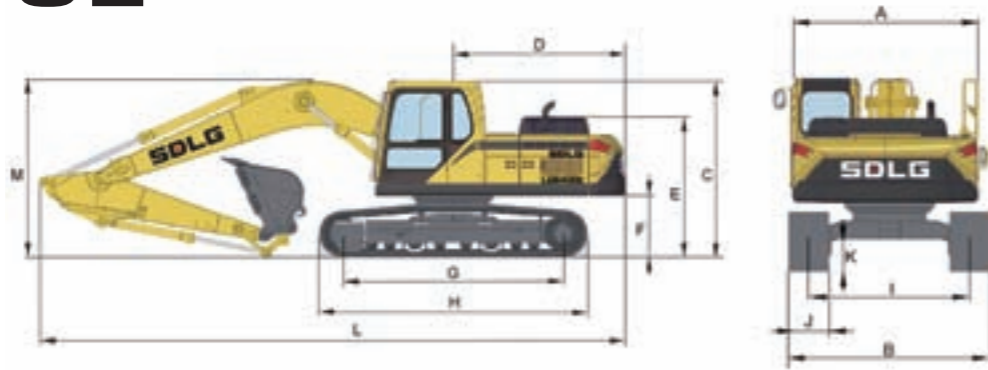
整机行走系统具有更小的接地比压，底盘通过能力强；履带中心架刚性焊接，支重轮、托链轮、引导轮均为浮动油封密封，润滑周期长；采用高压双速大扭矩行走马达，牵引力大。行走、回转制动均为湿式制动，制动平稳，可靠性高。

The traveling system of the complete machine possesses lower ground pressure, which ensures stronger chassis trafficability; the crawler center frame are of rigid welding, and the track

roller, the carrier roller and the front idler are applied with floating oil seals, allowing for a longer lubrication interval; the high-pressure, double-speed and large-torque travel motor offers greater tractive force. Both the travel brake and slewing brake are of wet type, providing stable braking and high reliability.

# LG6400E 产品主要性能及参数

## Main performance and specifications



项目 Item	参数 Specifications	项目 Item	参数 Specifications	项目 Item	参数 Specifications
<b>整机尺寸 Overall dimension</b>					
上部总成总宽度(A) Overall width of upper assembly(A)	2990mm	行走速度(高/低) Traveling speed (low/high)	3.3/4.5km/h	行走制动型式 Traveling brake type	湿式盘式 Wet disc
总宽度(B) Overall width(B)	3340mm	平均接地比压 Average ground pressure	69.4kPa	回转型式 Swing mode	液压驱动内齿单列球轴承 Hydraulic drive internal tooth single-row ball-bearing
驾驶室总高度(C) Overall height of cab(C)	3190mm	最大挖掘半径 Max. digging radius	10610mm	回转制动型式 Swing brake type	湿式盘式 Wet disc
尾部回转半径(D) Tail swing radius(D)	3500mm	最大挖掘深度 Max. digging depth	6850mm	<b>液压系统 Hydraulic system</b>	
发动机罩总高度(E) Overall height of engine hood(E)	2700mm	最大挖掘高度 Max. digging height	10170mm	液压操纵型式 Hydraulic control type	先导比例控制阀 Pilot proportional control valve
配重离地间隙(F) Ground clearance of counterweight(F)	1210mm	最大卸载高度 Max. dumping height	7090mm	液压型式 Hydraulic system type	双泵恒功率负流量控制系统 Double-pump constant power and negative flow control system
轴距(G) Wheelbase(G)	4240mm	前部最小回转半径 Min. front swing radius	4380mm	最大流量 Max. flow	2x280+25.5L/min
下部行走体长度(H) Crawler length(H)	5180mm	<b>发动机 Engine</b>		主泵型号 Main pump model	K3V180
履带轨距(I) Track gauge(I)	2740mm	型号 Model	SD130A	工作压力 Operating pressure	350kgf/cm <sup>2</sup>
履带板宽度(J) Track pad width(J)	600mm	型式 Type	四冲程、增压、中冷 Four-stroke, supercharged, inter-cooled	斗杆油缸-缸径×活塞杆直径×行程(mm) Arm cylinder - cylinder bore x diameter of piston rod x stroke	1-175 x 115 x 1700mm
最小离地间隙(K) Min. ground clearance(K)	500mm	额定功率/转速 Rated Power/ Speed	198kw/1700r/min	动臂油缸-缸径×活塞杆直径×行程(mm) Boom cylinder - cylinder bore x diameter of piston rod x stroke	2-160 x 105 x 1530mm
总长度(L) Overall length(L)	11020mm	排量 Displacement	12.8L	铲斗油缸-缸径×活塞杆直径×行程(mm) Bucket cylinder - cylinder bore x diameter of piston rod x stroke	1-145 x 100 x 1285mm
大臂总高度(M) Overall height of boom(M)	3580mm	排放标准 Emission standard	国 II	<b>加油容量 Fill capacity</b>	
<b>整机参数 Overall parameters</b>					
斗容 Bucket capacity	2.0m <sup>3</sup>	缸径/行程 Cylinder bore / stroke	131/158mm	燃油 Fuel	620L
整机操作质量 Overall Operating weight	40050kg	标定工况燃油消耗率 Rated fuel consumption	≤215g/kw·h	发动机机油 Engine oil	45L
最大挖掘力 Max. excavation force	236kN	最大扭矩 Max. torque	1475N·m	液压油 Hydraulic oil	515L
回转速度 Swing speed	0-9.7r/min	<b>行走/回转系统 Traveling/swing system</b>			
<b>可选装机具 Optional equipment</b>					
名称: 标准斗 Name: Standard bucket 斗容: 0.8m <sup>3</sup> Bucket capacity		名称: 破碎锤 Name: Breaking hammer			

\* 以上参数解释权归山东临工, 如有修改恕不通知, 文中插图并不一定是该机型的标准款。 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.



### 客户至上的服务宗旨

山东临工以科学完整的服务管理体系, 执行以客户为中心的全生命周期服务理念, 关注细节, 超越期望, 持续巩固服务满意度行业第一的地位。

### Customer-oriented service tenet

SDLG implements the customer-focused full life cycle service concept through its scientific and integral service management system, paying attention to details, exceeding expectations, and continuing to strengthen its position of the industry first in terms of the service satisfaction.

### 客户关怀服务制胜

信息化管理平台打造服务保障绿色通道, 专家坐席解难答疑, 精准技术保障服务。差异化增值服务满足不同客户需求, 为客户提供高效全面的业务解决方案。

### Customer-winning care and services

The information management platform is built into a green channel that guarantees quality services, experts are invited for question answering and problem solving, and precision technologies support services. Moreover, the differentiated value-added services meet different customer demands, to provide customers with comprehensive and efficient business solutions.

24小时服务电话: 8008607999 4006587911 4006587922  
24-h service hotline

### 覆盖全球的服务体系

建立遍布全球的服务配件网络, 充分保障随时随地提供快速高效的全天候专业服务, 以赢得全球客户的满意, 并努力超越客户的期望。

### Global service system

The worldwide service parts network provides fast, efficient and professional round-the-clock services anytime and anywhere, in order to win the global customer satisfaction and strive to exceed customer expectations.