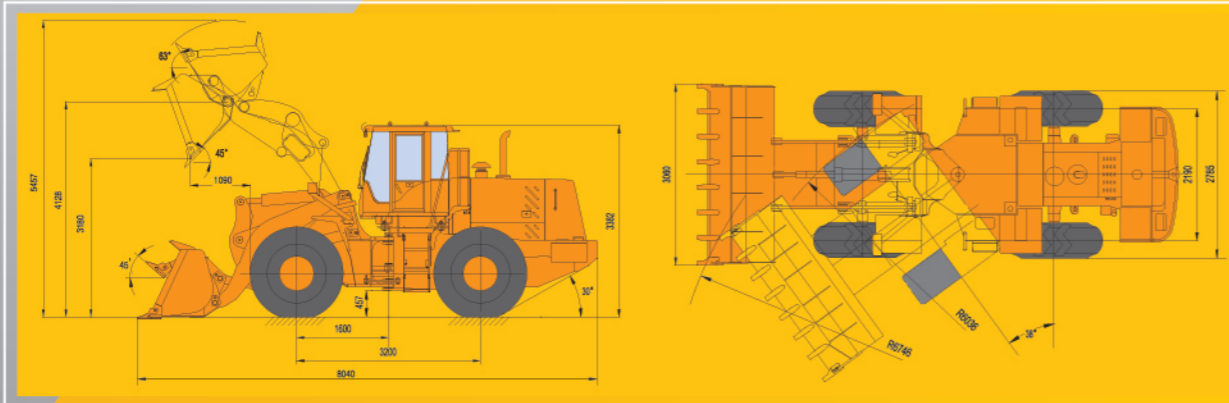


LG956L 轮式装载机 · 标准配置 LG956L Wheel loader · Standard equipment



产品主要性能及零部件参数 · 标准配置 Main performance and parts specifications · Standard equipment

项目 Item	参数 Specifications	项目 Item	参数 Specifications
整机工作质量 Overall working weight	17250kg	最高车速 Max. speed	40.5km/h
额定斗容量 (岩石斗) Rated bucket capacity (Rock bucket)	2.7m³	前后驱动桥 Front and rear axles	
额定载重量 Rated load	5.0t	主传动型式 Main transmission type	螺旋伞齿轮一级减速 Spiral gear, first stage decelerate
最大牵引力 Max. traction force	≥ 160kN	轮边减速型式 Final decelerate type	一级行星减速 First stage, planetary gear decelerate
最大掘起力 Max. breakout force	≥ 180kN	轮胎 Tyre	
最大爬坡能力 Max. gradeability	30°	规格 Type specification	23.5 - 25
最大卸载高度 Max. dumping height	3180mm	前轮气压 Front tyre pressure	0.39 ± 0.01 MPa
对应卸载距离 Dumping distance	1090mm	后轮气压 Rear tyre pressure	0.33 ± 0.01 MPa
整机外形尺寸 (长×宽×高) Overall dimension (L × W × H)	8040 × 3060 × 3382mm	转向系统 Steering system	
发动机 Engine		型式 Type	负荷传感全液压铰接转向 Articulated load-sensing hydraulic steering system
型号 Model	WD10G220E23	转向角 Steering angle	左右各38° 38° each side
型式 Type	直列、水冷、干缸套、直喷 In-line, water cooling, dry cylinder, direct injection	最小转弯半径 Min. turning radius	铲斗外侧 6746mm 后轮外侧 6036mm Side of bucket 6746mm Outside of rear wheel 6036mm
汽缸数 - 缸径 × 行程 Number of cylinder - bore/stroke	6 - Φ126 × 130mm	工作液压系统 Hydraulic system	
最大扭矩 Max. torque	890N.m	系统工作压力 System working pressure	16 MPa
额定功率 Rated power	162kW	动臂提升时间 Boom lifting time	≤ 6.4s
额定转速 Rated speed	2000r/min	三项和时间 Total time	≤ 11.3s
最低燃油消耗率 Min. fuel-consume ratio	≤ 215 g/kW.h	制动系统 Brake system	
传动系统 Transmission system		行车制动 Service brake	气顶油钳盘式四轮制动 Air over hydraulic disc brake on 4 wheels
变矩器型式 Torque converter	单级、四元件、双涡轮 Single phase, 4 elements, double turbo	驻车制动 Parking brake	手动钳盘式制动 Manual parking brake
变矩系数 Torque ratio	4.10	加油容量 Fill capacity	
变速箱型式 Transmission type	行星式动力换挡 Planetary power shift	燃油 Fuel	300L
档位数 Gear shift	前进档两个, 倒退档一个 2 forward shift, 1 reverse shift	液压油 Hydraulic oil	210L

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SDLG reserves the right to explain the above parameter. No prior notice will be given for any changes, some pictures might not be the standard equipments of the model.

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节能高效
Energy Saving & High Efficiency

奉献社会
Return Benefits to Society

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LG956L
节能型轮式装载机
Energy saving wheel loader



山东临工
SDLG 沃尔沃集团成员公司

矿山铲掘型
Mine spading model



临工与VOLVO建筑设备合作以来, 历经8个月的潜心开发、12个月的工业性实验、8个月的可靠性市场验证, 前后投入了巨资进行“高效、节能”技术的攻关, 形成以“低转速发动机、高效变矩器、重新优化的传动和液压系统”为核心特征的节能新技术。经国家工程机械检验检测权威部门测试, 在效率提升的前提下, 实现平均节油超过10%!

临工LG956L以LG956为基型, 追加节能系统核心技术, 进行了整机性能优化, 是临工节能高效型代表产品之一。

Since the cooperation with VOLVO CE, Lingong has invested enormous amount of capital successively to strive to make breakthrough in "high efficiency & energy saving" technology, after 8 months of concentrated development, 12 months industrial experimental test and 8 months market reliability verification, a new energy-saving technology, with "slow-speed engine, highly efficient and special effect torque converter, re-optimized transmission and hydraulic system" as the core features was achieved. Through the testing of State Construction Machinery Inspection and Test Authority Department, an average fuel economy of over 10% can be achieved while remaining the overall performance improved!

LG956L, which is one the of Lingong's representative products of energy saving and high efficiency, is developed on the basis of multi-condition general purpose loader LG956, added with energy-saving system, its overall performance is got much optimized.

主要配置介绍 Introduction to the main configurations

<p>01</p> <p>液压系统 Hydraulic system</p> <p>发动机转速、牵引力、泵流量、举升时间五大主要参数的最优匹配, 实现整机作业效率提升, 作业油耗下降。</p>	<p>02</p> <p>发动机 Engine</p> <p>配备临工节能型专用低转速发动机, 常用工况位于最低油耗区。</p>	<p>03</p> <p>变速箱 Transmission</p> <p>专利技术传动系统: 变矩器传动油温降低15度。</p>	<p>04</p> <p>变矩器 Torque converter</p> <p>运动件的相对转速降低, 传动效率提高, 润滑效果改善, 轴承、齿轮等旋转零件的可靠性有效提高。</p>
<p>05</p> <p>结构件 Welding structure</p> <p>整机结构件进行了有限元优化设计, 通过了20万次疲劳强化试验, 前后车架采用板式结构, 整机重心分布合理, 承载能力强, 强度高, 稳定性好。</p>	<p>06</p> <p>油缸 Cylinder</p> <p>配置大缸径的举升油缸, 地面举升力达到15.4吨!</p>	<p>07</p> <p>轮胎 Tyre</p> <p>前轮采用矿山专用18层级轮胎, 更适应于复杂路况。</p>	<p>08</p> <p>散热器 Radiator</p> <p>优化散热器结构, 增大了有效散热面积, 优化整个冷却系统的进、出风道设计, 有效降低发动机水温、液压系统的油温, 提高了整机冷却效率。</p>
<p>05</p> <p>结构件 Welding structure</p> <p>The whole piece of carriage structure has carried out finite element optimization design and experienced 200,000 times of fatigue intensified test. Both the front and rear carriages use the plate-style structure and thus the gravity is well-distributed. It has strong loading capability and rigidity as well as good stability.</p>	<p>06</p> <p>油缸 Cylinder</p> <p>Equipped with turning cylinder, the breakout force reach 17.5 ton. Equipped with lifting cylinder, the lifting force at ground reach 15.4 ton.</p>	<p>07</p> <p>轮胎 Tyre</p> <p>The front tyres adopt eighteen grade tyres mainly used for mine mountains, can be used in more complicated road condition.</p>	<p>08</p> <p>散热器 Radiator</p> <p>The radiator structure is optimized to offer more effective heat dissipation area. The air intake and outlet channel design of the overall cooling system is optimized to effectively lower water temperature in the engine, oil temperature in the hydraulic system and thus increase the cooling efficiency.</p>

主要性能特点

- 在铲装大理石块的工况下, 整机平均油耗降低8.78%, 作业效率平均提升11.47%, 每年平均节省燃油消耗超过3.95万元。
- 超强的牵引力
加大容量的变矩器与发动机最佳匹配, 插入料堆的力超过16.5吨, 整机具有超强的牵引力。
- 卓越的铲掘性能和稳定性
配置大缸径的转斗油缸, 掘起力高达17.5吨!
配置大缸径举升油缸, 地面举升力达到15.4吨!
长轴距、加大配置设计, 增大了整机稳定性。对直作业的倾翻载荷超过12.5吨。
- 可靠的结构件
高强度结构件能胜任更复杂工况, 箱型的铰接车架、历经20万次疲劳强化试验, 仍可靠工作。

Main specifications and characters

- Under the working conditions of loading marble, the fuel consumption is reduced by 8.78%, and overall operating efficiency gains by 11.47%, thus an annual fuel consumption saving will be more than 39,500 RMB.
- Superb traction power
Improve the allocating torque and engine, the power of inserting into material is more than 16.5 ton, the whole machine is equipped with high traction power.
- Perfect bucketing and grubbing capabilit and stability
Equipped with turning cylinder, the breakout force reach 17.5 ton.
Equipped with lifting cylinder, the lifting force at ground reach 15.4ton.
Long shaft space, equipped more, increase the machine's stability. Overturning loading capability exceed 12.5 ton.
- Reliable structure
High rigidity structure can be competent for more complicated working condition, the frame experienced high intensity test for 200,000 times can still work reliably.