



# LG920

## 井下装载机

Downhole loader



- 配备玉柴YC4D80-T20国II排放发动机，动力强劲；定轴式动力换挡变速箱，单级三元件液力变矩器，结构紧凑、传动效率高。
- 整机轴距大，纵向稳定性高。工作装置具有自动放平功能，效率高且能减轻驾驶人员的操作强度。选用技术成熟的、性能优良的临工自制驱动桥，承载力大，使用寿命长，可靠性高。
- 负荷传感、优先转向全液压转向系统，操纵轻便灵活，性能可靠；液压泵采用专利技术，压力储备系数大，寿命高；
- 方便拆卸的可调节式简易棚驾驶室，可适应矿井的不同高度要求；阶梯形台架，台架前部带油门加速踏板和制动踏板的部位下落，最大程度的满足驾驶员的工作舒适性。
- 前大灯架高度低于前车架高度，防止下井时受高度限制；前大灯设有圆钢做的防护罩，防止落物将灯砸坏。
- 特殊结构的消声、灭火、除烟尘的水处理装置，蓄水箱加满一次水可以供发动机连续工作4小时使用。
- 可选装催化处理器，使不溶于水的有害气体过滤更彻底。

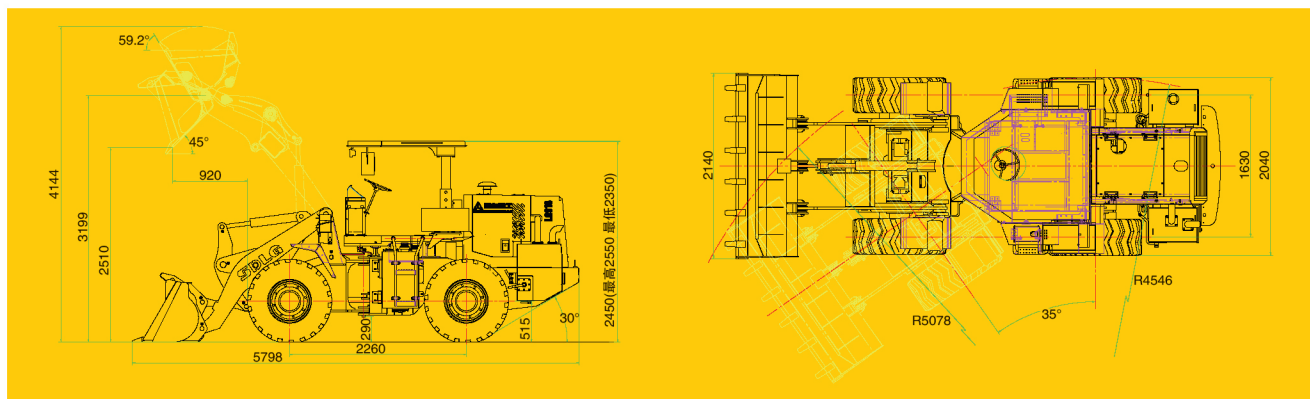
- Equipped with YC6B125-T20 engine which conforms to state II emission standard and powerful, with 5-ton grade gearbox and high reliability.
  - With long axle distance, high longitudinal stability for the whole loader; with optimized design for working devices, high breakout force of mobile arm, high fill factor of shovel and high productivity.
- It has hydraulic control mechanism with patented technology, which is
- easily operated, with high reliability. Optimized and improved sealing structure of hydraulic pipe improves sealing reliability of the whole hydraulic system greatly.
- The cab is removable, adjustable and simple, which can adapt to
- different heights of mines. The bench group is stepped. The accelerator pedal is located in the front of the bench and the position of brake pedal lowers so as to keep the driver comfortable as far as possible.
- Headlamp holder is lower than front frame to avoid height limit when
- going into mines. Headlamp is equipped with a protective cover which is made of round steel to prevent it from being damaged by any falling object.
  - Special water processing equipment with functions of noise reduction, fire extinction and dust removal is provided. Water storage tank which is full of water can be used by the engine for 4 hours continuously.
  - We can equip the catalytic processor in order to filter the water-insoluble and poisonous gas completely.

请按照说明书规定的工况使用本机型号 Please use the machine as the working conditions specified in the Instruction

山东临工工程机械有限公司

SHANDONG LINGONG CONSTRUCTION MACHINERY CO.,LTD

# LG920 井下装载机



## 主要技术参数 Main Technical Parameters

项目 Item	参数 Specifications	项目 Item	参数 Specifications
整机工作质量 Overall working weight	6440 kg	最高车速 Max. speed	26.5 km/h
额定斗容量 Rated bucket capacity	1.2 m <sup>3</sup>	前后驱动桥 Front and rear axles	
额定载重量 Rated load	2000 kg	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. tractive force	≥56.0 kN	轮边减速型式 Final decelerate type	一级行星减速 First stage planetary gear decelerate
最大崛起力 Max. breakout force	≥62 kN	轮胎 Tyre	
最大爬坡能力 Max. gradeability	30°	规格 Type specification	16 / 70 - 20
最大卸载高度 Max. dumping height	2510 mm	前轮气压 Front tyre pressure	0.34 ± 0.01 MPa
对应卸载距离 Dumping distance	920 mm	后轮气压 Rear tyre pressure	0.28 ± 0.01 MPa
整机外形尺寸 (长 × 宽 × 高) Overall dimension (L × W × H)	5798 × 2140 × 2450 mm	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	YC4D80-T20	转向角 Steering angle	35°
型式 Type	水冷四冲程直喷 water-cooling four-stroke direct injection	最小转弯半径 Min. turning radius	4546 mm
汽缸数-缸径 × 行程 Number of cylinder-bore/stroke	4-108/120 mm	工作液压系统 Hydraulic system	
最大扭矩 Max. torque	270 N.m	系统工作压力 System working pressure	17.5 MPa
额定功率 Rated power	58 kW	铲斗提升时间 Bucket lifting time	≤4.8 s
额定转速 Rated speed	2400 r/min	三项和时间 Total time	≤9.1 s
最低燃油消耗率 Min. fuel-consume ratio	≤235 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-actuated oil disc brake on
变矩器型式 Torque converter type	单级三元件液力变矩器 single-stage three-element hydraulic torque converter	驻车制动 Parking brake	手动内涨蹄式制动 manual internal expanding shoe-type
变矩系数 Torque ratio	3.43	加油容量 Fill capacity	
变速箱型式 Transmission type	定轴式动力换挡+高低速 fixed-axis power shift high/low speed	燃油 Fuel	120 L
档位数 Gear shift	前二后二 2 forward shift, 2 reverse shift	液压油 Hydraulic oil	100L

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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.