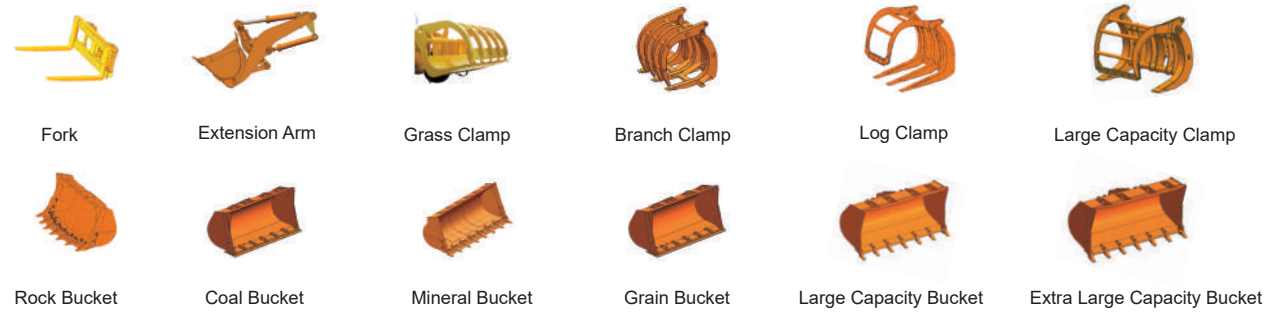


Optional Attachment



Wheel Loader



Motor Grader



Excavator



Backhoe Loader



Vibratory Roller



Truck Crane



Bulldozer



Paver



Skid Steer



ZL50T

SINOMACH-HI INTERNATIONAL EQUIPMENT CO.,LTD.

额定功率(Rated Power):162kW@2000rpm

操作重量(Operating Weight):16500kg 额定斗容(Rated Bucket Capacity):2.8m³



- Equipped with reliable cummins engine or WeiChai engine.
- 3 forward & 3 reverse power shift transmission.
- Combined seal cylinder obtains high seal performance and more reliability.



国机重工集团国际装备有限公司

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国机重工集团国际装备有限公司
SINOMACH-HI International Equipment Co.,Ltd.

ZL50T WHEEL LOADER MAIN SPECIFICATIONS

装载机主要技术参数



发动机 Engine

型号..... 潍柴 WD10G220E23
Model..... WeiChai WP10G220E23
型式 Type.....直喷 Direct injection
额定功率 Rated Power.....162kW
额定转速 Rated Speed.....2000rpm/min
最低燃油消耗率 Min.fuel Consumption.....≤220g/kW.h
最大扭矩 Max.Torque.....900N.m



变速系统 Transmission System

变矩器型式.....单级四元件
Torque converter type.....Single stage four.elements
冷却方式.....油冷压力循环式
Cooling ways.....Oil cooling. pressure circulating
变速箱型式.....行星式液压换挡
Transmission type.....Planetary shift hydraulic
档位（前进档/后退档）.....前二后一
Shifts(Forward/reverse).....F2/R1
前行驶速度 km/h 11.7 40.3
Forward traveling speed
后行驶速度 km/h 15.9
Reverse traveling speed



驱动桥和主传动 Axles and Main Drive

驱动系统.....四轮驱动
Drive system.....four-wheel diving
前后桥主传动型式.....螺旋伞齿轮一级减速
Main drive type.....one spiral bevel gear. stllge, one-stage
减速比 Gear ratio.....4.625
轮边减速型式.....圆柱直齿轮行星传动
Hub reduction.....planetary gear tow-stage
减速比 Gear ratio.....4.929
最大爬坡能力 Max. grade ability.....30°



转向系统 Steering System

型式.....铰接式、负荷传感全液压转向
Type.....Middle articulated frame.Co-axis flow amp.steering
转向角 Steering angle.....±38°
最小转弯半径 Min.steering radius.....5970mm
液压转向器排量 Displacewent of redirecter.....800ml/r
液压泵 Mode of steering pump.....齿轮泵 gear pump
转向油缸数-缸径×行程.....2-ø90×400mm.
Steering cylinders inner Bore×Stroke.....2-ø90×400mm.
工作压力 Operation pressure.....16MPa



制动系统 Brake System

行车制动.....气顶液回轮制动
Service Brake.....Air assisted oil.4wheel brake
停车制动.....手动软轴控制制动器
Parking brake.....Manual air-controlled actuate drum brake
act as emergency brake.



工作液压系统 Working Hydraulic System

型式.....先导
Type.....Joy stick
油缸数量-缸径×行程 No. of Cylinders-Bore×Stroke
举升油缸 Lift cylinder.....2-ø160×810mm
翻斗油缸 Dump cylinder.....1-ø180×563mm
系统工作压力 System operation pressure.....18MPa
提升时间 Lifting time.....6.2s
下降时间 Lowering time.....3.8s
卸载时间 Dumping time.....1.8s



轮胎 Tyre

根据工作情况选择合适轮胎
Choose suitable tyre according to situations
标准车 Standard tyre.....23.5-25-16PR
轮胎气压 Tyre pressure.....0.31±0.02MPa



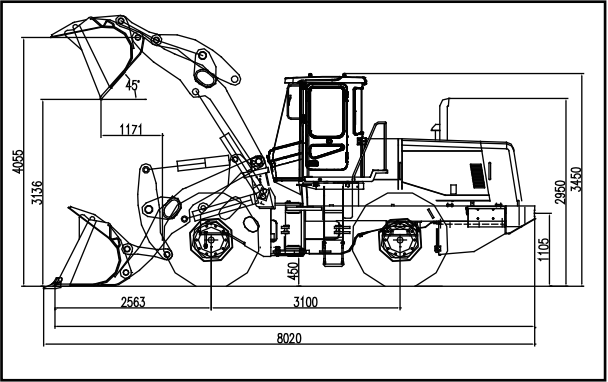
再注容量 Refill Capacity

燃油箱 Fuel tank.....250L
发动机曲轴箱 Engine crank case.....24L
液力变矩器和变速箱 T/C and Transmission.....45L
液压油箱 Hydraulic tank.....180L
前后桥主传动 Axles main drive.....2×18L
轮边减速器 Hub reduction.....4×3.5L
制动系统 Brake system.....2×1.5L

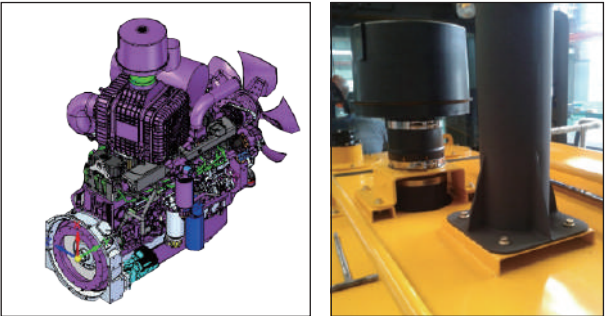


工作装置 Work Equipment

高强度“Z”型连杆机构，掘起力大，可选购
Strong Z-bar structure provides strong breakout force.
卸高（45° 卸载角度）.....3140±10mm
Dumping clearance (at dumping angle 45°).....3140±10mm
卸距（45° 卸载角度）.....1180±10mm
Dumping reach (at dumping angle 45°).....1180±10mm
倾翻载荷（全转向）Tipping load full turn.....11000kg

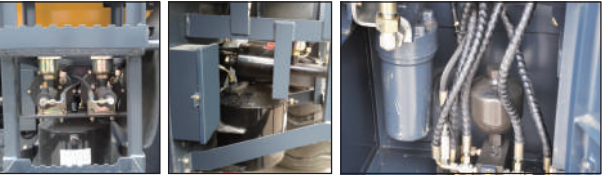


Best Power Performance



- Equipped with WeiChai WP10G220E323 engine with strong power, low consumption and good performance.
- The swirl type prefilter provides good filtering effect and it is fixed hierarchically with high reliability.
- The tail pipe has a large caliber design to reduce the exhaust back pressure and it is also fixed hierarchically.
- The added baffle on the rear of diesel tank is fixed on the counterweight to prevent the damage from accidental collision.

Easy maintence

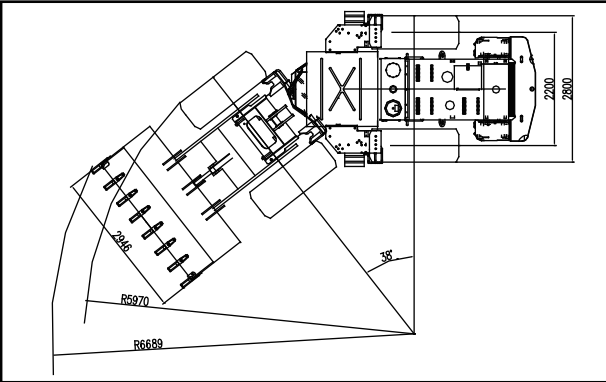


- The booster pump is equipped with filter element which greatly extends the service life
- The air reservoir is placed vertically to reduce the moisture in the brake system

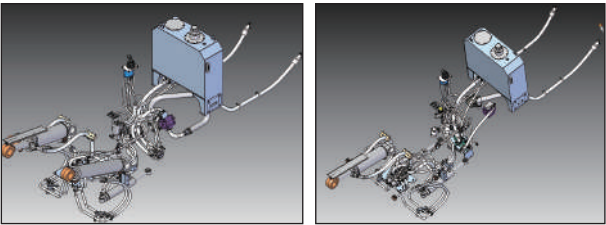
Comfortable Cabin



- Cabin featured luxury interior decoration and beautiful appearance and good eyeshot.

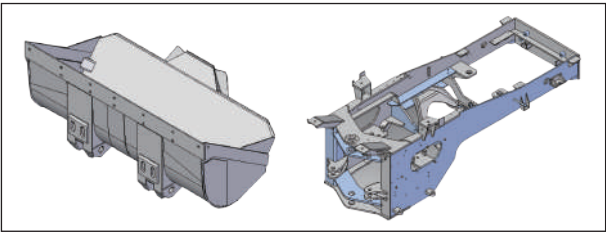


High Efficiency Hydraulic System



- The hydraulic system is labeled as a joy stick system.
- The joy stick system adopts the accumulator scheme to reduce the power loss of the system.
- The joy stick accumulator is installed in the right auxiliary box for maintenance.
- Selecting the distribution system, the configuration switch to the limiter, reducing the system shock.
- The flow amplification valve is positioned in the center of the frame to facilitate maintenance.

Optimized bucket and chassis



- The optimized bucket has improved the full bucket rate. And there is a backplane added to the bucket rear to prevent the material spilling.
- The design of chassis has been upgraded to make lighter weight but bigger load bearing.



Construction Machinery

The specifications and pictures are subject to change without any notice.