Optional Attachment

侧卸
Side-dump Bucket

加长臂
Extension Arm

石油管抓具
Petroleum-pipe Clamp

枝桠材抓具
Branch Clamp

木爪
Log Clamp

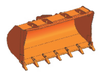
小容量抓具
Small capacity clamp

大容量抓具
Large capacity clamp

岩石斗(2.2m³)
Rock Bucket

煤斗(3.8m³)
Coal Bucket

矿砂斗(2.2m³)
Ore Bucket


加大斗(4.5m³)
Large Capacity Bucket

Wheel Loader

Motor Grader

Excavator

Backhoe Loader

Vibratory Roller

Pneumatic Roller

Bulldozer

Truck Mounted Crane

Skid Steer

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DEALER:

国机重工
SINOMACH

957H

SINOMACH

SINOMACH

SINOMACH-HI INTERNATIONAL EQUIPMENT CO.,LTD.

额定功率(Rated Power):162kW@2200rpm
操作重量(Operating Weight):17300kg 额定斗容(Rated Bucket Capacity):3.0m³

- Equipped with reliable Cummins engine or ShangChai 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
SINOMACH-HI INTERNATIONAL EQUIPMENT CO.,LTD.

957H WHEEL LOADER MAIN SPECIFICATIONS

装载机主要技术参数

国机重工 SINOMACH

发动机 Engine

型号……广西康明斯 6LTAA 9.3 220/上柴 SC11CB220G2B1
Model……Cummins 6LTAA 9.3 220/ShangChai SC11CB220G2B1
型式……直喷，增压中冷/直喷，增压，水冷
Type……Direct injection. Turbocharged non-aftercooled
Direct injection .Turbocharge. Water cooling
额定功率 Rated Power……162kW
额定转速 Rated Speed……2200rpm

变速系统 Transmission System

变矩器型式……三元件单级
Torque converter type……3-elements.single stage
冷却方式……油冷压力循环式
Cooling mode……Oil cooling pressure circulating
变速箱型式……动力换档，圆柱直齿长啮合
Transmission type……Power shift, spur gear constant- mesh
档位（前进/后退）……前三后三
Shifts(Forward/Backward)……F3/R3

行驶速度(km/h) Traveling speed	I	II	III
前进 Forward	6.88	10.8	32
后退 Backward	8	14.3	34.1

驱动桥 Axles

主传动形式……单级螺伞锥齿轮
Type of main……Reducerspiral bevel gear, single stage
最大牵引力 Max. drawing force……160kN
主传动速比 Gear ratio of main drive ……4.625
轮边减速比 Gear ratio of hub reduction……4.9286
最大爬坡能力 Max. gradient capacity……30°

转向系统 Steering System

型式……中间铰接，全液压转向
Type……Middle articulated frame. Full-hydraulic Steering
转向角 Steering angle……±38°
最小转弯半径 Min.turning radius……6192mm
系统压力 System pressure……16MPa
发动机额定转速时的流量……176L/min
Flow rate at engine rated speed……176L/min
转向油缸数-缸径×行程……2-φ 90×435mm
No.of cylinders-Bore×Stroke……2-φ 90×435mm

轮胎 Tyre

轮胎规格 Tyre size……23.5-25-16PR

工作装置 Working Equipment

单摇臂高支点优化设计的工作装置，自动放平作为选装件。
Single swing arm high fulcrum working equipment, Automatic leveling device as optional configuration.
最大掘起力 Max.breakout force……170kN
卸载高度 Dumping clearance……3136mm
卸载距离 Dumping reach……1121mm

工作液压系统 Working Hydraulic System

工作油泵型号 Model of oil pump……JHP 3100A
系统压力 System pressure……180(kgf/cm²)
多路阀型号 Model of Muti-way directional valve
……YGDF32Ⅱ-YL18
先导供油阀 Pilot supply valve ……DGf-00
先导阀型号 Pilot valve ……单手柄先导阀DXS-00
举升油缸尺寸(D*L)Dimension of lifting cylinder
……Φ160*90*810(mm)
翻斗油缸尺寸(D*L)Dimension of tilting cylinder
……Φ180*90*563(mm)

制动系统 Brake System

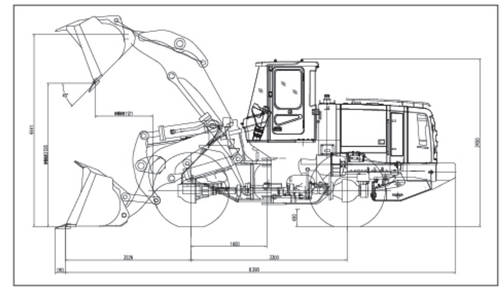
行车制动……钳盘式制动器，气顶液四轮制动
Service Brake……Caplier disc brake，Air over oil activate 4 wheel brake
制动气压 Air pressure……6-7.5(kgf/cm²)
停车制动形式 ……手制动, 软轴操纵鼓式制动
Type of parking brake ……Hand brake,Flexible shaft control clamp brake

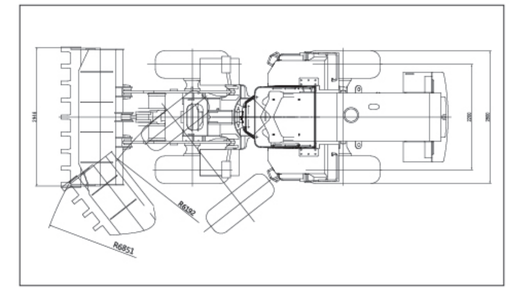
油量 Refill Capacity

燃油箱 Fuel tank……250L
发动机曲轴箱 Engine crank case……24L
双变系统 T/C and T/M ……45L
液压油箱 Hydraulic tank……180L
前后桥 F/R axles ……36L

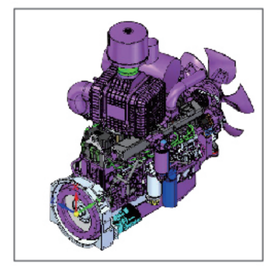
驾驶室 Cabin

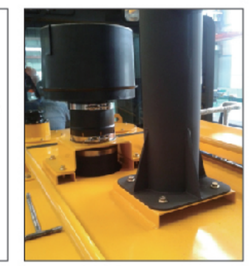
Vibration-absorbed humanistic cabin with adjustable steering wheel and seat、and streamline dashboard provide low noise, comfortable operation and wide eyeshot.





Best Power Performance





- Equipped with Cummins 6LTAA9.3 220/Shangchai SC11C-B220G2B1 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.

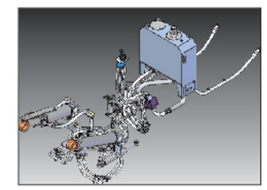
Easy maintence

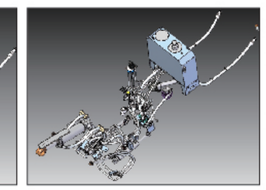
- The booster pump is equipped with filter element which greatly extends the service life
- The air reservoir is placed vertically to reduce the moisture in the brake system

Comfortable Cabin

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

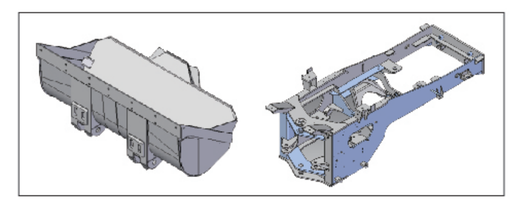
High Efficiency Hydraulic System



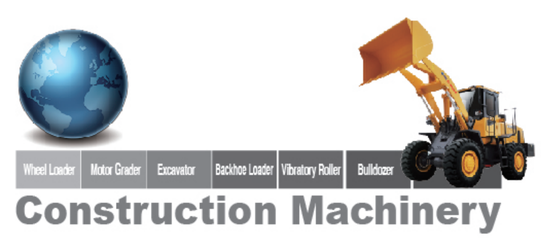


- The hydraulic system is labeled as a pilot system.
- The pilot system adopts the accumulator scheme to reduce the power loss of the system.
- The pilot accumulator is installed in the right auxiliary box for maintenance.
- Selecting the distribution system, the configuration switch to the limiter, 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.



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