



发动机(Engine)

型号.....上柴SC11CB240.1G2B1/ 潍柴 WP10G240E341
Model.....SHANGCHAI SC11CB240.1G2B1
WEICHA1 WP10G240E341
型式.....涡轮增压、水冷
Type.....turbocharged、water cooling
额定功率Rated Power.....174.5/178kW
额定转速Rated Speed.....2200rpm



变速系统 (Transmission System)

变矩器型式.....单级单相三元件
Torque converter type...Single stage、single phase and 3-elements
冷却方式.....油冷压力循环式
Cooling mode.....Oil cooling pressure circulating
ZF 变速箱型式.....定轴式动力换挡
ZF Transmission type.....fixed shaft power shift
档位（前进/后退）.....前四后三
Shifts(Forward/Backward).....F4/R3
行驶速度(km/h) Traveling speed I II III IV
前进 Forward 6.5 11.8 23.5 37.2
后退 Backward 6.5 11.8 23.5



驱动桥 (Axles)

最大牵引力 Max. drawing force.....180kN
主传动速比 Gear ratio of main drive.....4.875
轮边减速比 Gear ratio of hub reduction.....4.94
总速比 Total ratios.....24.0825



转向系统 (Steering System)

型式.....车架铰接，全液压转向
Type.....Middle articulated frame. Full-hydraulic Steering
转向角 Steering angle.....±38°
最小转弯半径（至前轮胎外沿）.....6240mm
Min. turning radius at the outside of front wheel.....6240mm
系统压力 System pressure.....16MPa.
转向泵型号 Model of steering pump.....JHP2080S
转向器型号 Model of redirector.....BZZ3-E100B
转向油缸数-缸径×行程.....2-Φ100×425mm.
No.of cylinders-Bore×Stroke.....2-Φ100×425mm.



轮胎 (Tyre)

轮胎规格 Tyre size.....23.5-25-20PR L-3



工作装置 (Working Equipment)

单摇臂高支点优化设计的工作装置，自动放平作为标配。
Single swing arm high fulcrum working equipment, Automatic leveling device as standard configuration.
最大掘起力 Max.breakout force.....190kN
卸载高度 Dumping clearance.....3325mm
卸载距离 Dumping reach.....1433mm
倾翻载荷（全转向）Tipping load full turn.....13000kg



工作液压系统 (Working Hydraulic System)

泵型号 Model of oil pump.....JHP3100-Gj0020-XF
系统压力 System pressure.....20MPa
发动机额定转速时的流量.....220L/min
Flow rate at engine rated speed.....220L/min
油缸数量-缸径×行程 No.of cylinders-Bore×Stroke
举升油缸 Lifting cylinder.....2-Φ160×874mm.
翻斗油缸 Tilting cylinder.....1-Φ210×575mm.
提升时间 Lifting time.....5.8s
下降时间 Lowering time.....3.2s
卸载时间 Dumping time.....1.5s



制动系统 (Brake System)

行车制动.....钳盘式制动器，双管路、气顶液四轮制动
Service Brake.....Caplier disc brake,Dual pipelines,
Air over oil activate 4 wheel brake
停车制动.....手动气控鼓式制动器，可作为紧急制动。
Parking brake.....Manual air-controlled actuate drum brake
act as emergency brake.



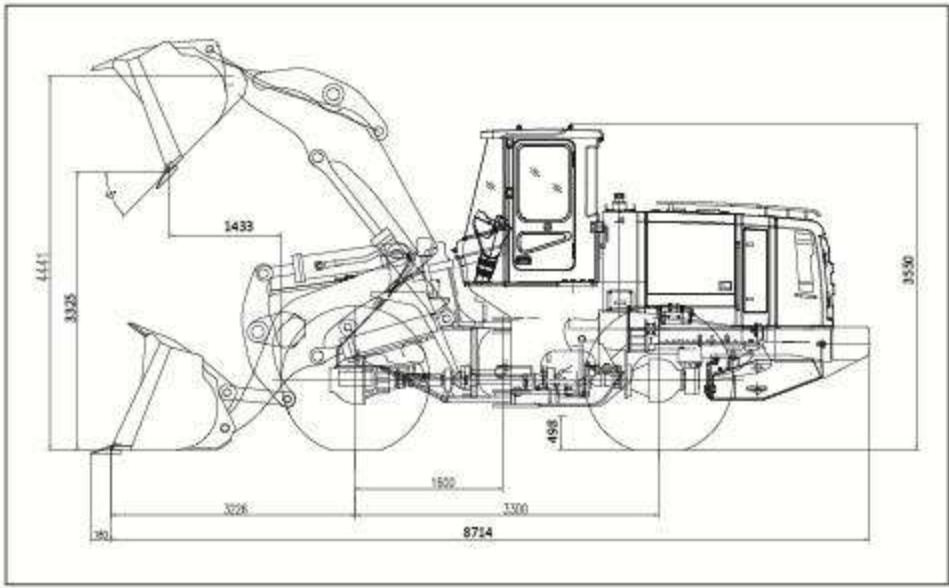
油量 (Refill Capacity)

燃油箱 Fuel tank.....350L
机油 Engine lubricating oil.....28L
双变系统 T/C and T/M.....45L
液压油箱 Hydraulic tank.....195L
前后桥 F/R axles.....30L+24L
制动系统 Brake System.....3L



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

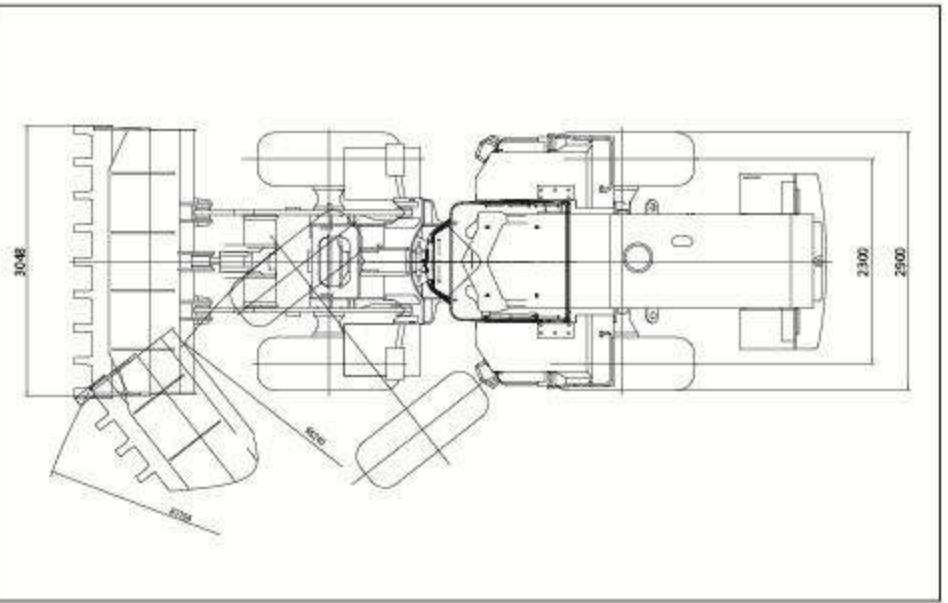


- Performance-proved shangchai/weichai diesel engine conforming to environmental requirements offers sufficient power to suit various tough tasks.
- Shifting control handle adopts electronic induction control pro-long service lifetime.
- Adopted independent radiation system that made the thermal balance system of the whole machine more reasonable and reliable.
- Meritor axles that features high reliability.

Luxury Cabin



- Electronic monitor panel with digital show and adjustable steering wheel make operator easy and comfortable.
- Half-automatic control of KD switch owns perfect control performance.
- Cabin featured luxury interior decoration and beautiful appearance and good eyeshot.

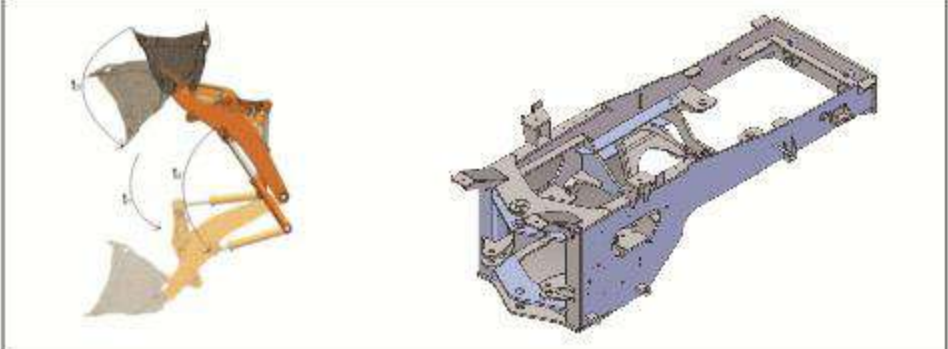


High Efficiency Hydraulic System



- Linhai single handle P.P.C features comfortable and easy and accurate operation,fast reaction.
- Combined flow of two pumps saves energy and increases efficiency.
- Hydraulic tank with vacuum device ensures easy maintenance and fixing of hydraulic system.

Heavy-duty Working Equipment



- The optimized strengthened front/rear frame was more solid and durable,single-plate structure of rear frame reduce distortion and irregular welds and greatly promote reliability.
- The working equipment with optimized design of single swing arm has big break force and high working efficiency.



Wheel Loader Motor Grader Excavator Backhoe Loader Vibratory Roller Bulldozer
Construction Machinery