

957H WHEEL LOADER MAIN SPECIFICATIONS

CHANGLIN



发动机 Engine

型号.....上柴 SC11CB220G2B1/康明斯 6CTAA8.3-C215
Model.....Shangchai SC11CB220G2B1/ Cummins 6CTAA8.3-C215
型式.....直喷、涡轮增压、水冷/空空中冷
Type.....Direct injection, turbocharged, water cooling/air to air cooling
额定功率 Rated Power.....162kW/158kW
额定转速 Rated Speed.....2200rpm



变速系统 Transmission System

变矩器型式.....单级单三相元件
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
变速箱型式.....圆柱直齿轮平行轴常啮合式
Transmission type.....Spur gear parallel shaft, 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	6.8	10.8	32
后退 Backward	8	16	34.1



驱动桥 Axles

加强型干式制动前后桥.....Strengthened dry-type brake front and rear axles.
最大牵引力 Max. drawing force.....150kN
主传动速比 Gear ratio of main drive.....4.625
轮边减速比 Gear ratio of hub reduction.....4.926
最大爬坡能力 Max. gradient capacity.....30°



转向系统 Steering System

型式.....中间铰接单板车架、负荷传感全液压转向
Type.....Middle articulated single-plate frame, flow amp. full hydraulic steering
转向角 Steering angle..... $\pm 38^\circ$
最小转弯半径 Min. turning radius.....6098mm
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- $\varnothing 90 \times 435$ mm
No. of cylinders-Bore × Stroke.....2- $\varnothing 90 \times 435$ mm



驾驶室 Cabin

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



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 standard configuration.
最大掘起力 Max. breakout force.....165kN
卸载高度 Dumping clearance.....3100mm
卸载距离 Dumping reach.....1150mm



工作液压系统 Working Hydraulic System

型式 Type.....单手柄比例先导操纵 Single handle P.P.C
系统压力 System pressure.....18MPa
发动机额定转速时的流量.....352L/min
Flow rate at engine rated speed.....352L/min
油缸数量-缸径×行程 No. of cylinders-Bore × Stroke
举升油缸 Lifting cylinder.....2- $\varnothing 160 \times 810$ mm.
翻斗油缸 Tilting cylinder.....1- $\varnothing 180 \times 528$ mm.
提升时间 Lifting time.....5.6s
下降时间 Lowering time.....3.7s
卸载时间 Dumping time.....1.7s



制动系统 Brake System

行车制动.....双腔双管路气顶油钳盘式四轮制动
Service Brake.....Dual chamber dual piping air-over-oil cali-per disc brake, actuate 4 wheels.
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.



轮胎 Tyre

轮胎规格 Tyre size23.5-25-16PR



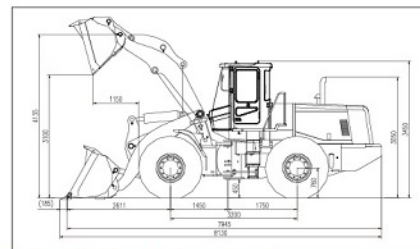
油量 Refill Capacity

燃油箱 Fuel tank.....250L
发动机曲轴箱 Engine crank case.....42L/20L
双变系统 T/C and T/M42L
液压油箱 Hydraulic tank.....180L
前后桥 F/R axles18L/18L



标准配置 Standard Equipment

HUSCO control valve and joystick valve, ZF transmission, Graziano axles import hoses and seals, Bergstrom air conditioner.



Best Matched Power Train



- Adopted SHANGCHAI SC11CB220G2B1/CUMMINS 6CTAA8.3-C215 engine that features large power reservation, low consumption and good power performance.
- T/M and T/C system adopted unique separate structure, convenient operation and maintenance.
- Adopted independent radiation system that made the thermal balance system of the whole machine more reasonable and reliable.
- Strengthened CHANGLIN driving axles more suitable for tough working conditions.

Advanced & Reliable Brake System

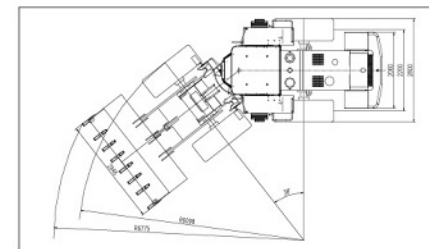


- Axle housing and hub reduction adopted separate structure that features low maintenance cost.
- Dual piping service brake with caliper disc brake ensures safety and reliability.

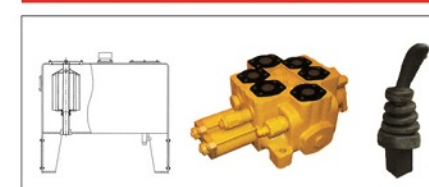
Comfortable Cabin



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



High Efficiency Hydraulic System



- Imported single handle P.P.C features comfortable and easy and accurate operation, fast reaction.
- Advanced radiation system of hydraulic system is adopted for working under high ambient temperature.
- 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.

Optional Attachment



Construction Machinery