

# 947H

# SINOMACH

## SINOMACH-HI INTERNATIONAL EQUIPMENT CO.,LTD.

Rated Power:132kW@2200rpm

Operating Weight:12300kg Rated Bucket Capacity:2.3m<sup>3</sup>



- Equipped with Dongfeng Cummins engine,
- Luxury cabin decoration and A/C provide operator comfort,
- 4 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.**

# 947H WHEEL LOADER MAIN SPECIFICATIONS



## 发动机 Engine

型号.....康明斯 6BTA5.9-C180  
 Model.....Cummins 6BTA5.9-C180  
 型式.....直喷, 涡轮增压, 水冷  
 Type.....Direct injection. Turbocharged. Water cooling  
 额定功率 Rated Power.....132kW  
 额定转速 Rated Speed.....2200rpm/min  
 最低燃油消耗率 Min.fuel Consumption..... $\leq 212$ g/kW.h  
 最大扭矩 Max.Torque.....750N.m



## 变速系统 Transmission System

变矩器型式.....四元件, 双级  
 Torque converter type.....4-elements.double stage  
 冷却方式.....油冷压力循环式  
 Cooling ways.....Oil cooling. pressure circulating  
 变速箱型式.....定轴式动力换挡  
 Transmission type.....Fixed shaft-power shift  
 档位 (前进档/后退档) .....前四后三  
 Shifts(Forward/reverse).....F4/R3  
 前进行驶速度 km/h            6.5   12   25   35  
 Forward traveling speed  
 后退行驶速度 km/h            6.5   12   25  
 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 driving  
 前后桥主传动型式.....螺旋伞齿轮一级减速  
 Main drive type.....One spiral bevel gear. stillge, one-stage  
 减速比 Gear ratio.....5.286  
 轮边减速型式.....单级行星轮  
 Hub reduction.....Single stage planetary  
 减速比 Gear ratio.....4.26  
 最大爬坡能力 Max. grade ability.....25°



## 工作装置 Work Equipment

卸高 (45° 卸载角度) .....3176mm  
 Dumping clearance (at dumping angle 45°).....3176mm  
 卸距 (45° 卸载角度) .....1095mm  
 Dumping reach (at dumping angle 45°).....1095mm



## 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..... $\pm 38^\circ$   
 最小转弯半径 Min.steering radius.....6300mm  
 转向油缸数-缸径×行程.....2- $\Phi 80 \times 327$ mm  
 Steering cylinders inner Bore × Stroke.....2- $\Phi 80 \times 327$ mm  
 工作压力 Operation pressure.....14MPa



## 制动系统 Brake System

脚制动型式: 气顶油, 钳盘式四轮制动  
 Travel brake type over hydraulic caliper disc brake,  
 activate 4-wheel brake  
 手制动型式: 手动控制断气制动  
 Service brake type:Manual control cutting-off air brake



## 工作液压系统 Working Hydraulic System

型式 Type.....软轴操纵 (可选装单手柄先导操纵)  
 油缸数量-缸径×行程 No. of Cylinders-Bore × Stroke  
 举升油缸 Lift cylinder.....2- $\Phi 125 \times 771$ mm  
 翻斗油缸 Dump cylinder.....1- $\Phi 188 \times 502$ mm  
 系统工作压力 System operation pressure.....18MPa  
 提升时间 Lifting time.....5.5s  
 下降时间 Lowering time.....3.2s  
 卸载时间 Dumping time.....1.1s



## 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.....20.5-25-16PR



## 再注容量 Refill Capacity

燃油箱 Fuel tank.....150L  
 发动机曲轴箱 Engine crank case.....13L  
 液力变矩器和变速箱 T/C and Transmission.....45L  
 液压油箱 Hydraulic tank.....150L  
 前后桥主传动 Axles main drive.....2×24L  
 制动系统 Brake system.....2×1L

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