



## 957H WHEEL LOADER SPECIFICATIONS

- Equipped with reliable ShangChai SC11CB220G2B1 engine
- 3 forward & 3 reverse power shift transmission
- Combined seal cylinder obtains high seal performance and more reliability

Overall Dimension 总尺寸		
1	Length(with bucket on ground)总长 (铲斗放置地面)	8130(mm)
2	Width(to outside of wheels)总宽 (到轮胎外沿)	2800(mm)
3	Bucket width 铲斗宽度	2946(mm)
4	Height(To the top of the cab)高度 (到驾驶室顶)	3450(mm)
5	Wheel base 轴距	3200(mm)
6	Tread 轮距	2200(mm)
7	Min. ground clearance 最小离地间隙	450(mm)
Main Technical Specification		
1	Rated load 额定载重量	5000(Kg)

2	Operating weight 操作重量	16700KG
3	Rated bucket capacity 额定斗容	3.0(m <sup>3</sup> )
4	Max. breakout force 最大掘起力	160kN
5	Max. traction force 最大牵引力	150kN
6	Max. dump clearance 最大卸载高度	3100(mm)
7	Dump reach 卸载距离	1150(mm)
8	Dump angle at any position 任意位置卸载角	≥45°
9	Digging depth(with bucket bottom horizontal)挖掘深度	165(mm)
10	Min. turning radius 最小转弯半径	
	(1) Outside of bucket 铲斗外沿	6735(mm)
	(2) Outside of front wheel 前轮胎外沿	6098(mm)
11	Pivot angle frame 最大转向角	38°
12	Oscillating angle of rear axle 后桥摆动角	±13°
13	Lifting time of bucket 铲斗举升时间	≤5.6(sec.)
14	Lowering time of bucket 铲斗下降时间	≤3.7(sec.)
15	Dumping time 翻斗时间	≤1.7(sec.)
16	Traveling speed(Km/h), 3 forward and 3 reverse 行驶速度, 前三后三档位	
	(1) 1st gear 前进/后退一档	7.05/9.0
	(2) 2nd gear 前进/后退二挡	11.7/16.0
	(3) 3rd gear 前进/后退三挡	34.6/38.24
<b>Diesel engine 发动机</b>		
1	Model 型号	ShangChai SC11CB220G2B1 Engine 上柴 SC11CB220G2B1 发动机
2	Type 形式	Direct injection. Turbocharge. Water cooling



		直喷, 增压, 水冷
3	Rated output 额定功率	162(Kw)
4	Inter-bore of cylinder/stroke 活塞直径/行程	121/152(mm)
5	Total exhaust of cylinder 排气量	10.5(L)
6	Model of starting motor 启动马达型号	KB-24V
7	Power of start motor 启动马达功率	7.5(KW)
8	Voltage of starting motor 启动马达电压	24(V)
9	Rated speed 额定转速	2200(r/min.)
10	Max. Torque 最大扭矩	843±6%(N.m)/(1400r/min)
11	Starting type 启动形式	Electric 电启动
12	Min. specific fuel consumption 最小燃油消耗率	230(g/Kw.h)
13	Engine specific oil consumption 最小机油消耗率	0.95-1.77(g/Kw.h)
14	Net weight 净重	960(Kg)
<b>Transmission System 传动系统</b>		
<b>Torque Converter 变矩器</b>		
1	Model 型号	957H.2



2	Type 形式	3-elements.single stage 三元件单级
3	Torque ratio 变矩系数	3.35
4	Cooling type 冷却形式	Pressure oil circulating 循环压力油
<b>(二)、Transmission case 变速箱</b>		
1	Model 型号	CHANGLIN 957H.4 常林
2	Type 形式	Power shift, spur gear constant- mesh 动力换档, 圆柱直齿长啮合
3	Gear shift position 档位	3 Forward and 3 reverse gears 前三后三档位
<b>(三)、Axle and Tire 桥和轮胎</b>		
1	Type of main reducer 主传动形式	spiral bevel gear, single stage 单级螺旋锥齿轮
2	Gear ratio of main reducer 主传动速比	4.625
3	Type of final reducer 终传动形式	Single stage planetary 单级行星轮
4	Gear of ratio of final reducer 终传动速比	4.9286
5	Gear ratio 总速比	22.795
6	Max. drawing force 最大牵引力	150kN
7	Size of tire 轮胎型号	23.5-25-16PR
<b>Working Device Hydraulic System 工作液压系统</b>		
1	Model of oil pump 工作油泵型号	JHP 3160
2	System pressure 系统压力	180(kgf/cm <sup>2</sup> )



3	Model of Muti-way directional valve 多路阀型号	7130-B97(HUSCO)
4	Pilot supply valve 先导供油阀	DGf-00(Gaoyu)
5	Pilot valve 先导阀型号	406-1044-1145(HUSCO)
6	(D*L)Dimension of lifting cylinder 举升油缸尺寸	Φ160*90*810(mm)
7	(D*L)Dimension of tilting cylinder 翻斗油缸尺寸	Φ180*90*528(mm)
<b>Steering System 转向系统</b>		
1	Type 形式 Middle articulated frame. Full-hydraulic Steering 中间铰接, 全液压转向	
2	Model of steering pump 转向泵型号	JHP2080S
3	Model of redirector 转向器型号	TLF1-E1000B+FKB6020
4	Model of priority valve 优先阀	YXL-F250F-N7
5	System pressure 转向系统压力	16MPa
6	Dimension of steering cylinder 转向油缸尺寸	Φ90*45*435(mm)
<b>Brake System 制动系统</b>		
1	Type of traveling brake 行车制动形式 Caplier disc brake 钳盘式制动器 Dual pipelines, Air over oil activate 4 wheel brake 双管路、气顶液四轮制动	
2	Air pressure 制动气压	7-8(kgf/cm <sup>2</sup> )
3	Type of emergency brake 紧急制动形式 Manual control cutting-off air brake 手动控制断气制动	
4	Type of parking brake 停车制动 inner expand hoof Automatic boosting. inner expand hoof 内胀式自动锁紧	
<b>Oil Capacity 加油量</b>		
1	Fuel(diesel)燃油	250(L)
2	Engine lubricating oil 机油	Cummis:20(L)



		ShangChai:42(L)
3	Oil for converter and gear box 变速箱油	42(L)
4	Oil for hydraulic system 液压系统油	180(L)
5	Oil for driving axles (F/R) 前后驱动桥油	20/20(L)