



955N WHEEL LOADER SPECIFICATIONS

- Equipped with reliable Weichai WD10G220E23 engine
- 2 forward & 1 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)	8100(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)	3500(mm)
5	Wheel base 轴距	3100(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	16500KG
3	Rated bucket capacity 额定斗容	3.0(m ³)
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	3050(mm)
7	Dump reach 卸载距离	1107(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	6575(mm)
	(2) Outside of front wheel 前轮胎外沿	5970(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), 2 forward and 1 reverse 行驶速度, 前二后一档位	
	(1) 1st gear 前进	12.1
	(2) 2nd gear 前进	37.4
	(3) 3rd gear 后退	16.5
Diesel engine 发动机		
1	Model 型号	Weichai WD10G220E23 Engine 潍柴 WD10G220E23 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)
Transmission System 传动系统		
Torque Converter 变矩器		
1	Model 型号	955N

2	Type 形式	Torque converter type 双涡轮四元件
3	Torque ratio 变矩系数	3.35
4	Cooling type 冷却形式	Pressure oil circulating 循环压力油
(二)、Transmission case 变速箱		
1	Model 型号	955N
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	2 Forward and 1 reverse gears 前二后一档
(三)、Axle and Tire 桥和轮胎		
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 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
Working Device Hydraulic System 工作液压系统		
1	Model of oil pump 工作油泵型号	955N
2	System pressure 系统压力	19Kpa

3	Model of Muti-way directional valve 多路阀型号	955N
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	2-Φ160*705(mm)
7	(D*L)Dimension of tilting cylinder 翻斗油缸尺寸	2-Φ180*530(mm)
Steering System 转向系统		
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	955N
3	Model of redirector 转向器型号	TLF1-E1000B+FKB6020
4	System pressure 转向系统压力	16MPa
5	Dimension of steering cylinder 转向油缸尺寸	2-Φ90*400(mm)
Brake System 制动系统		
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 ²)
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	
Oil Capacity 加油量		
1	Fuel(diesel)燃油	250(L)
2	Engine lubricating oil 机油	WeiChai: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	13/13(L)