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937H WHEEL LOADER SPECIFICATIONS

- Equipped with DongFeng Cummins Engine
- 3 forward 3 reverse power shift transmission
- Combined seal cylinder obtains high seal performance and more reliability

• Overall Dimension		
1	Length(with bucket on ground)整机长度 (铲斗放置地面)	6920(mm)
2	Width(to outside of wheels)整机宽度 (轮胎外沿)	2305(mm)
3	Bucket width 铲斗宽度	2430(mm)
4	Height(To the top of the cab)高度 (到驾驶室顶)	3150(mm)
5	Wheel base 轴距	2750(mm)
6	Tread 轮距	1855(mm)
7	Min. ground clearance 最小离地间隙	360(mm)

Main Technical Specification		
1	Rated load 额定载重	3000(Kg)
2	Operating weight 操作重量	10200KG
3	Rated bucket capacity 额定斗容	1.7(m ³)
4	Max. breakout force 最大崛起力	96kN
5	Max. dump clearance 最大卸载高度	2934(mm)
6	Dump reach 卸载距离	1043(mm)
7	Dump angle at any position 任意位置卸载角	≥45°
8	Min. turning radius 最小转弯半径	
	(1) Outside of bucket 铲斗外沿	5695(mm)
	(2) Outside of rear wheel 后轮胎外沿	5185(mm)
9	Pivot angle frame 铰接角	38±1°
10	Oscillating angle of rear axle 后桥摆动角	±11°
11	Lifting time of bucket 铲斗举升时间	≤5.1(sec.)
12	Lowering time of bucket 铲斗下降时间	≤3.0(sec.)
13	Dumping time 翻斗时间	≤1.1(sec.)
14	Traveling speed(Km/h), 3 forward and 3 reverse 行驶速度, 前三后三档位	
	(1) 1st gear forward 前进一档	7.3
	(2) 2nd gear forward 前进二档	15.7
	(3) 3rd gear forward 前进三档	35
	(1) 1st gear reverse 后退一档	7.8
	(2) 2nd gear reverse 后退二档	16.8
	(3) 3rd gear reverse 后退三档	36
Diesel engine 发动机		
1	Model 型号	Dongfeng Cummins 6BT5.9-C120

2	Type 形式	Direct injection. Turbocharged. Water cooling
3	Rated output 额定功率	87(KW)
4	Inter-bore of cylinder/stroke 缸径/行程	102/120 (mm)
5	Total exhaust of cylinder 排量	5.9 (L)
6	Voltage of starting motor 启动马达电压	24(V)
7	Rated speed 额定转速	2200(r/min)
8	Max. Torque 最大扭矩	440(N.M)/1500rpm
9	Starting type 启动形式	Electric
10	Min. specific fuel consumption 最小燃油消耗率	220(g/Kw.h)
Transmission System 变速系统		
(一) Torque Converter 变矩器		
1	Model 型号	YJH315A-4(Shanxi Aerospace Power)
2	Type 形式	3-elements. Single stage
3	Torque ratio 变矩系数	3.1
4	Cooling type 冷却形式	Pressure oil circulating
(二)、Transmission case 变速箱		
1	Model 型号	Chinese Changlin
2	Type 形式	Power shift, spur gear constantly in mesh 动力换档, 圆柱直齿轮平行轴
3	Gear shift position 档位	3 Forward and 3 reverse gears 前三后三档位
(三)、Axle and Tire 桥轮胎		
1	Type of main reducer 主传动形式	spiral bevel gear, single stage

		螺旋伞齿轮一级减速
2	Gear ratio of main reducer 主传动速比	3.889
3	Type of final reducer 终传动形式	Single stage planetary 单级圆柱直齿轮行星传动
4	Gear of ratio of final reducer 终传动速比	4.941
5	Total ratios 总速比	19.216
6	Max. drawing force 最大牵引力	83kN
7	Size of tire 轮胎型号	17.5-25-12PR
Working Device Hydraulic System 工作液压系统		
1	Model of oil pump 工作油泵型号	CBGj2100(SAE)
2	System pressure 系统压力	160(kgf/cm ²)
3	Model of multichannel conversion valve 多路换向阀型号	GDF32D2
5	(D*L)Dimension of lifting cylinder 举升油缸尺寸	Φ125*70*697(mm)
6	(D*L)Dimension of tilting cylinder 翻斗油缸尺寸	Φ150*70*470 (mm)
Steering System 转向系统		
1	Type 形式 Middle articulated frame. Full-hydraulic Steering 车架铰接, 全液压转向	
2	Model of steering pump 转向泵型号	CBG2050(SAE)
3	Model of steering gear 转向器型号	BZZ1-E400C+FKA-143020
4	Model of single-channel stable shunt valve 单稳阀 单路稳定分流阀型号	FLD-D30H
5	System pressure 系统压力	14MPa
6	Dimension of steering cylinder 转向油缸规格	Φ70*40*357(mm)

Brake System 制动系统		
1	Type of traveling brake 行车制动形式	Air assisted oil.4 wheel brake 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	Automatic cutting air brake 自动断气制动
4	Type of parking brake 停车制动	Drum brake 鼓式制动器 Manual control cutting off air brake 手动控制断气制动
Oil Capacity		
1	Fuel(diesel)燃油	130(L)
2	Engine lubricating oil 机油	13.5(L)
3	Oil for converter and gear box 变速箱油	35(L)
4	Oil for hydraulic system 液压系统油	120(L)
5	Oil for driving axles (F/R) 前后驱动桥油	16/15(L)