

HD16 Hydraulic Crawler Bulldozer

- 发动机型号 Engine:Weichai WD10G178E25
- 额定功率 Rated Power: 131 kW/1850 rpm
- 操作重量 Operating Weight: 17 ton



产品性能 Main Features

- 搭配潍柴发动机，动力强劲，易于维护，具备燃烧效率高等优点。
- 变速箱采用行星齿轮结构，通过操纵液压控制阀来实现前进、后退及各种变速。结构形式为行星齿轮，多片离合器，液压结合强制润滑式，共分前进三档和后退三档。
- 全箱型结构的主机架采用钢板焊接全箱型整体式结构，与后桥箱焊接为一体，具备较高的承载冲击载荷和抗弯扭的能力，高质量焊缝确保主机架具有全寿命周期。
- 主流的 14MPa 工作液压系统，工作稳定，具有过载保护功能，可大幅减少液压元器件的故障率。
- Weichai WD10G178E25 engine gives you more power and reliability you need. Improved fuel economy over the previous model with strong torque output and low fuel consumption gives you excellent overall fluid efficiency.
- The gearbox uses a planetary gear structure that operates the hydraulic control valve to achieve forward, reverse and various shifts. The structure is planetary gear, multi-plate clutch, hydraulic combined with forced lubrication, which is divided into three forward and three reverse.
- The main frame of the full box structure adopts steel plate welded full box type integral structure, which is welded with the rear axle box. It has high impact load bearing capacity and resistance to bending and twisting. High quality weld seam ensures the main frame has a full life cycle.
- Mainstream 14MPa working hydraulic system,can greatly reduce the failure rate of hydraulic components with overload protection function.

技术参数 Technical Parameters

整机 Overall	尺寸 Dimension	5140×3388×3032 mm		
	操作重量 Operating Weight	17000 kg		
发动机 ENGINE	型号 Model	Weichai WD10G178E25 / WP10G178E355		
	类型 Type	水冷，直列，4 冲程，直接喷射 Water-cooled, in-line, 4-stroke,direct injection		
	缸数 Number of Cylinders	6		
	缸径 × 行程 Bore × Stroke	Φ126×130 mm		
	排量 Piston Displacement	9.726 L		
	额定功率 Rated Power	131 KW (178HP) @1850 rpm		
	最大扭矩 Max Torque	765 N·m @1300 rpm		
	最小耗油量 Fuel Consumption	214 g/kW·h		
变速系统 TRANSMISSION	液力变矩器 Torque Converter	单级单档三元件 3-element, 1 stage, 1 phase		
	变速箱 Transmission	行星齿轮型、动力换挡、强制润滑 Planetary gear type, power-shift, forced lubrication		
	中央传动 Central Drive Shaft	螺旋锥齿轮、一级减速、飞溅润滑、单级减速 Spiral bevel gear, single-stage speed reduction, splash lubrication		
	转向离合器 Steering clutch	湿式、多片、弹簧压紧、液压分离、液压操纵 Wet, multi-disc, spring loaded, hydraulically separated, hydraulic control		
	转向制动器 Steering brake	湿式、浮动式、直接操纵、液压联动 Wet type,floating band structure,foot brake with hydraulic booster		
	终传动 Final drive	直齿二级减速、飞溅润滑式 2-stage speed reduction of spur gear, splash lubrication		
速度 TRAVEL SPEED	档位 Gear	1st	2nd	3rd
	前进 Forward	0~3.29 km/h	0~5.82 km/h	0~9.63 km/h
	后退 Reverse	0~4.28 km/h	0~7.59 km/h	0~12.53 km/h
底盘系统 UNDERCARRIAGE SYSTEM	类型 Type	八字梁摆动式，平衡梁悬挂结构 Sprayed beam, suspended structure of equalizer		
	托轮数量 No. of Carrier Rollers	2 each side		
	支重轮数量 No. of Track Rollers	6 each side		
	履带板数量 No. of Track Shoes	37 each side		
	履带板类型 Track Shoe type	装配式单履齿 Single Grouser		
	履带板宽度 Width of Track shoe	510 mm		
	链轨节距 Pitch	203.2 mm		
	履带中心距 Track Gauge	1880 mm		
液压系统 HYDRAULIC SYSTEM	接地比压 Ground Pressure	0.067 Mpa		
	最高工作油压 Max Pressure	14 Mpa		
	油泵类型 Pump Type	Gear Pump		
	流量 Displacement	243 L/Min		
铲刀 BLADE	工作油缸内径 × 数量 Bore of Working Cylinder	110 mm × 2		
	铲刀类型 Blade Type	直倾铲 Straight-tilt Blade	角铲 Angle Blade	半 U 铲 Semi-U-blade
	铲刀容量 Blade Capacity	4.5 m³	4.3 m³	5 m³
	铲刀宽度 Blade Width	3388 mm	3970 mm	3556 mm
	铲刀高度 Blade Height	1150 mm	1040 mm	1120 mm
	最大铲土深度 Max Drop Below Ground	540 mm	540 mm	530 mm
	最大倾斜 MaxTilt Adjustment	400 mm	-	400 mm
三齿松土器 THREE SHANK RIPPER	最大松土深度 Max digging depth	572 mm		
	最大离地提升高度 Max lift above ground	592 mm		
	重量 Weight of 3-shank ripper	1667 kg		