



LGD165YS Crawler Bulldozer(Dozer)

Engine	
Model	CAT licenced C6121
Type	Direct injection, turbocharged water-cooled
Rated power	131kw
Rated speed	1900rpm
Implement Hydraulic System	
Hydraulic flow rate	190L 19L/min
Hydraulic pressure	12Mpa
Pump type	Double gear pump
Control valve	Hydraulic operated pilot control
Under Carriage System	
Sprocket	Segmented
Number of track rollers(each side)	7(3 single, 4double)
Number of carrier rollers(each side)	2
Number of front idler(each side)	1
Track type	Single grouser
Track tension	Hydraulic
Track pitch	203mm
Track width	1000mm
Number of track shoes (each side)	44
Track length of ground	3140mm
Ground clearance	382.5mm
Main Technical Specifications	
Operation weight	18300kg
Ground pressure	0.0283Mpa
Grade ability	58%
Overall dimensions(LxWxH)	5585x4222x3190mm
Max.tractive force	143.4KN

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Working Equipment	
Blade type	Straight
Width	4222mm
Height	960mm
Max digging depth	400mm
Max.lift above ground	713mm
Tilting angle	9°
Blade Capacity	4.5m <sup>3</sup>
Transmission System	
Torque converter	3-elements, single stage.single phase
Gear box	Power shift ,forced lubricated planetary gear
Bevel gear	Helical bevel gear splash lubricated
Final drive	Spur gear, double reduction splash lubricated
Gear shifts(Forward/Reverse)	F3/R3
Traveling speed (km/h)	
Forward/Reverse I	3.59/4.33
Forward/Reverse II	6.76/8.90
Forward/ReverseIII	12.37/14.96
Steering Clutch And Brake	
Steering clutch	Hydraulically actuated , multiple-disc oil clutches , spring pressed , hydraulic separated
Steering brake	Oil two-direction floating band with mechanism foot pedals
Service Capacities	
Fuel tank	230L
Water tank	60L
Implement oil tank	85L

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