

SD65G

Neumeier



Technical Datas

engine model CAT C6121ZG05
rated power 131 kW
rotation 1900 rpm
operating weight 16200 kg
travelling speed forward 10,9 km/h
travelling speed backwards 12,9 km/h
dozing capacity 4,5 m³
ground pressure 55,23 kPa
speed gear forward/backward 3/3
hydraulic system pressure 15,5 MPa

system output 178 l/min
max. drawbar pull 145 kN
max. torque 770 Nm
rated fuel consumption 215 g/kW/h
width of shoe 560 mm
blade width 3297 mm
max. digging depth 592 mm
ground clearance 445 mm
dimensions 5037 x 3270 x 3077 mm



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Technical information

Transmission system—

Torque converter: outside separating combination

transmission: planetary, power shift transmission with three speeds forward and three speeds reverse, speed and direction can be quickly shifted

Adopt the advanced technology of abroad and adopts the full hydraulic pressure vibration road roller to enter port critical parts production. This machine category overloads mould vibration road roller, the excitation force of bigger work quality and big and powerful possesses, and optimum compacting equipment thus being the big area and in the high quality, high efficiency and mechanize construction. It is suitable to grinding the non-viscosity material of pressure, and mixes material and sand soil etc. like gravel, crushed stone and sand and stone. Also there is good compacting effect to the low material. The basic body is the ideal equipment of foundation compacting in the public engineering such as expressway, mine road, large-scale dykes and dams, important port and industry place etc.

Major characteristic:

- The motive force disposition loads the firewood D series mould the boosting pressure diesel engine for previously, and the margin of power coefficient is greatly, fits work at elevation more than 4000 meters the operating mode construction.
- Full hydraulic pressure and full drive and frequency conversion becomes the spoke. Join with a hinge to turn to and four shelves stepless speed change, the technology is advanced. The fuel cutoff stops a vehicle by applying the brakes, and is safe and reliable.
- The cleanliness line and arc face windshield glass and curved surface modelling bonnet formed unique outward appearance modelling style.
- Allocates the automatic malfunction detection system, and carries on the fault diagnosis at any time.
- The hydraulic pump is with vibrating American SAUER company of motor the choosing 90 series products. The driving axle shaft adopts the product of American DANA company. But the machine adopts the product of SAUER company to the drive motor with slowing down from beginning to end. Even axle ware and the bearing is chosen the product of CENTA and Yi Na company.



Dozer	Title	Undercarriage system	
Operating weight(kg)	16200	type	ITM With improved under carriage system to reduce vibration and shock
Max. drawbar pull (KN)	145	Number of track roller (each side)	7
Goround pressure (kPa)	54	Number of carrier rollers (each side)	2
Track gauge (mm)	1880	Pitch (mm)	203
Min. ground clearance(mm)	445	Width of shoe (mm)	560
Blade capacity	04.05.09	Gear Forward (km/h)	
Blade width(mm)	3297	1st	0-4
Max. digging depth (mm)	592	2nd	0-6.9
Overall dimensions	5037*3270* 3077 mm	3rd	0-10.9
CAT Technology engine	Cummins Technology engine	Gear backward (km/h)	
Type C6121ZG01 CAT C6121ZG05	6CTA8-3-C175	1st	0-4.8
Rated revolution (rpm)	1900	2nd	0-8.4
Engine Net Power At Flywheel	(140HP) 150HP	3rd	0-12.9
Max. Torque (N.m/rpm)	820/1100		
Rated fuel consumption (g/KW.h)	206		
Implement hydraulic system			
Max. system pressure(MPa)		15.05.09	
Pump type		Gear Pump	
System output(L/min)		178	
Power Transfer system			
Torque converter		Single stage,3 elements torque converter with planetary /spur gear	
Transmission		Planetary, power shift metallurgy disc compressed by spring and direction can be quickly shifted, with wet cultch and hydraulically actuated	
Steering clutch		Wet multiple-disc oil power metallurgy disc compressed by spring hydraulically disengaged steering clutches	
Steering brake		Oil-cooled, hydraulically-boosted two direction contracting band brakes with tool pedal control	
Final drive		The final drive are double reduction with spur gear and segment sprocket	