



LGD410Y Mining Bulldozer

ENGINE	
Model	Cummins KTA19-C525
Type	Turbocharged vertical four-stroke, PT pump injection
Flywheel power	306Kw
Rated speed (r/min)	2000rpm
Number cylinders-bore×stroke	6-Φ159×159mm
Starting method	Electric starting 9kW/24V
Battery	24VOptimax
Air cleaner	Dry horizontal type with pre-cleaner
TRANSMISSION SYSTEM	
Torque converter	3-element, single-stage, single phase
Transmission	Hand-operated, Hydraulic shift, Planetary gear, multiple-disc clutch, hydraulic actuated, forced lubrication by gear pump, 3 forward speeds and 3 reverse speeds.
Bevel gear	Helical bevel gear, Splash lubricated

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Steering clutch	Wet, Multiple disc, Spring loaded, Hand-operated with booster and hydraulic-released
Steering brake	Wet, band brake, operated with hydraulic booster
Final drive	Spur gear, planetary gear driving, one reduction, splash lubrication
UNDER CARRIAGE	
Sprocket	Segmented
Number of track shoes (each side)	(4 single, 3 double)
Track tension	Hydraulic adjusted
Floating seals are used in all track rollers, carrier rollers, sprocket and front idlers	
TRAVEL SPEED (km/h)	
Forward 1	3.4km/h
Forward 2	6.7km/h
Forward 3	12.2km/h
Reverse 1	4.2km/h
Reverse 2	8.0km/h
Reverse 3	14.8km/h
TRACK	
Type	Lubricated track
Track pitch	260.35mm
Track width	610mm
Number of track shoes (each side)	40
Length of track on ground	3425mm
Ground clearance	600mm
Ground pressure	≤0.109Mpa
Track gauge	2260mm
HYDRAULIC CONTROL SYSTEM	
Working pressure	20Mpa
Rated delivery	264L/Min
Pump	CBZb4160T gear pump
Control valve	Hydraulic-operated plunger, loaded feedback, servo controlling
Valve position	Raise, Hold, Lower, Float
Cylinder, Bore × Rod ×Stroke	Φ140×Φ90×1440mm
WORK EQUIPMENT	
Blade type	Semi-U blade
Width ×Height	4314×1841mm
Max. lift above ground	1620mm

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Max. drop below ground	749mm
Pitch adjustment	52°
Grade ability	30°
Max .tilt	1000mm
Length × Width ×Height	7100×4314×3900mm
Weight	45362kg

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