

Liugong CLG4165 motor grader

Engine		DCEC 6BTAA5.9-C180
Rated Power	(kW)	125(170)@2200
Blade Width	mm(inches)	3960(156)
Maximum Speed	km/h (mph)	38 (23.6)
Draw Bar Pull	(kN)	81.6
Operating Weight	kg(Lb)	15000
ENGINE		
Tier		II
Make		Dongfeng Cummins
Gross Power	kW(Hp)@rpm	125(170)@2200
Net Power	kW(Hp)@rpm	113(151)@2200
Peak Torque		750N.m/1300rpm
Torque Rise %		30%
Number of Cylinders		6
Aspiration		turbo air-to-air aftercooled
TRANSMISSION		
Transmission Type		power shift
Transmission Configuration		6f/3r
Torque Converter		three-member single turbine
Maximum Travel Speed, fwd	(km/h)	38
Maximum Travel Speed, rev	(km/h)	24.7
Number of Speeds, fwd		6
Number of Speeds, rev		3
AXLES		
Front Axle Make		LiuGong Weld axle
Rear Axle Make		Meritor
Differential Type		NO-SPIN limited slip standard
Final Drive Type		chain drive
Axle Oscillation		±15°
Front Axle Type		all welded steel frame
Front Axle, Wheel Lean Angle		±17°
STEERING		
Steering Configuration		load sensor steering gear
Steering Relief Pressure	(Mpa)	17
Minimum Turning Radius	(inches)	7800(307)

Steering Angle		±45°
Frame Articulation Angle		±20°
BRAKES		
Service Brake Type		(Dry)shoe
Service Brake Location		rear axle only
Service Brake Actuation		hydraulic
TIRES		
Tire Size		17.5-25 PR12/L3
HYDRAULIC SYSTEM		
Main Pump Type		gear
Main Relief Pressure	(Mpa)	18
Pilot Pump Flow	L(Gal)/min	126(33)
WORKING CAPACITIES		
Maximum Draw Pull	(kN)	81.6
Cutting Pressure	kg(Lb)	6800(14991)
TANDEM DRIVE PERFORMANCE		
Height	mm(inches)	600(24)
Width	mm(inches)	210(8)
Thickness, inner wall / outer wall	mm(inches)	20/20(0.8)/(0.8)
Center Distance	mm(inches)	1538(61)
Oscillating Angle		±15°
MOLDBOARD PERFORMANCE		
Bank Cut Angle		40~70
Moldboard Lift Above Ground	mm(inches)	450(18)
Moldboard Side Shift, right / left	mm(inches)	725/675(29/27)
Maximum Sloping Angle		90°
Cutting Depth	mm(inches)	555(22)
Circle Rotation		360°
Circle Diameter	mm(inches)	1455(57)
Circle Thickness	mm(inches)	135(5)
DIMENSIONS		
Wheelbase	mm(inches)	6230(245)
Overall Length	mm(inches)	8790(346)
Overall Height with Cab		3438(135)
Overall Width	mm(inches)	2600(102)
Clearance under Front Axle	mm(inches)	645(25)
Moldboard Standard Length	mm(inches)	3960(156)

Moldboard Standard Thickness	mm(inches)	19(0.7)
Moldboard Standard Height	mm(inches)	610(24)
OPERATING WEIGHTS		
Operating Weight	kg(Lb)	13900(30644)
On Front Wheels	kg(Lb)	3960(8730)
On Rear Wheels	kg(Lb)	9940(21914)
SERVICE CAPACITIES		
Fuel Tank	L(Gal)	230(61)
Engine Oil	L(Gal)	22(6)
Cooling System	L(Gal)	40(11)
Hydraulic Reservoir	L(Gal)	186(49)
Transmission And Torque Converter	L(Gal)	45(12)
Tandems, Each	L(Gal)	28(7)