



# CLG877III WHEEL LOADER

ISO9001  
ISO14001

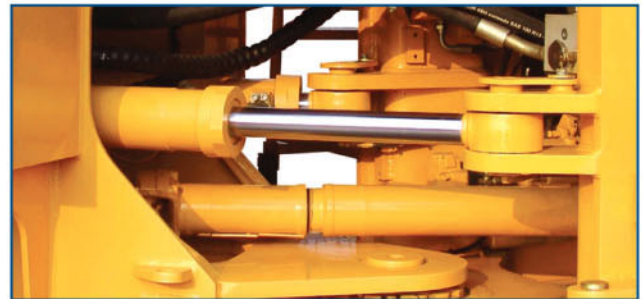
## Meets EPA Tier III

Bucket Capacity	5.5yd <sup>3</sup> (4.2m <sup>3</sup> )
Rated Load	15432 lbs (7000 kg)
Rated Power	290 hp (216 kW)@2100 rpm
Operating Weight	56438 lbs (25600 kg)

# Reliable and Efficient

## Productivity

- Automatic power shift transmission employs an operator selected kick down function for optimal use of digging and loading power.
- High travel speeds with 4 forward and 3 reverse gears.
- Responsive and accurate single level pilot control for loader and transmission.
- Double-brake pedals simplify simultaneous driving and mechanical operations.
- Automatic load leveling system prevents spillage during lifting.
- High torque rise (30%) Cummins electronic engine.
- Fast cycle times.





## Reliability

- Vehicle has a strong stiff frame that will withstand load and torsion stresses from numerous operating conditions.
- Key components from world class suppliers.
- Warranty and service programs available.
- Automatic lubrication system.

## Efficiency

- Fuel efficient engine.
- Torque converter is matched to the engine to ensure maximum power transfer.
- Thermostatically controlled fan for lower fuel consumption.
- Hydraulic system employs an unloading system within the two main pumps to provide optimal loading and penetration power while reducing fuel consumption.
- Air pre-cleaner filter system improves overall engine efficiency in dusty conditions and extends the service life of main air filter system.



# Operator Safety and Comfort



## Safety

- Engine is fully CE compliant and certified
- FOPS&ROPS certified cab
- Emergency steering system
- Cab has full unrestricted 360° visibility
- Full hydraulic wet-disc service brake, electronic controlled parking and emergency brakes.



## Environmentally Friendly

- Engine emissions conform to EURO STAGE III and EPA Tier3 standards.
- The fan motor is independent from the cooling system for quieter operation.
- Quiet operation reduces noise in the work place and the pressurized cab provides a quiet working environment for the operator.
- Climate control system uses environmentally friendly cooling agent.



### Operator Friendly

- Large luxurious insulated cab sits on hydraulic shock absorbing mounts.
- Powerful air-conditioning system maintains air temperature within the cab at a comfortable level selected by the operator.
- Adjustable steering column and air suspension seat for operator comfort.
- The steering column has telescopic function.
- The cab is mounted with flat glass for a better visibility.





## Easy Maintenance

### Maintainability

- Easily accessible engine compartment and convenient placement of key components make maintenance easier and faster.
- Automatic greasing system.
- Screens over the coolers for minimizing dust blockage.

# Specifications

## Basic Data

		With Quick Coupler
Reference Bucket	5.5 yd <sup>3</sup> (4.2 m <sup>3</sup> )	5.5 yd <sup>3</sup> (4.2 m <sup>3</sup> )
Rated Load	15432 lbs(7000 kg)	15432 lbs(7000 kg)
Operating Weight	56438 lbs(25600 kg)	58367 lbs(26475 kg)
Breakout Force	48060 lbf(21800 kg)	40124 lbf(18200 kg)
Tipping Load (Straight)	46162 lbf(20939 kg)	42461 lbf(19260 kg)
Tipping Load (Full turn 38°)	40133 lbf(18204 kg)	37082 lbf(16820 kg)

## Engine

Model	CUMMINS QSM11- C290		
Type	6-cylinder, 4-cycle, turbocharged and water cooled, electronic controlled diesel engine		
Rated Power	290 hp(216 kW)@2100 rpm		
Rated Net Power	280 hp(209 kW)@2100 rpm		
Peak Net Power	310 hp(231 kW)@1800 rpm		
Peak Torque	1090 lb-ft(1478 N.m)@1200 rpm		
Displacement	660 in <sup>3</sup> (10.8 L)		
Tier Rating	EURO Stage IIIA & EPA Tier 3		

## Drive Train

Torque Converter	Single-stage, three-element		
Cooling	Cool pressure cycling method		
Transmission	Fixed shaft, automatic power shift transmission, 4F/3R with electronic control		

Travel Speeds (mph(km/h))	Gear			
	Gear1	Gear2	Gear3	Gear4
Forward	4.3(7)	7.5(12)	16.8(27)	22.4(36)
Reverse	4.3(7)	7.5(12)	16.8(27)	

## Axles

Main Reducer	Spiral bevel gear single-stage reduction		
Final Reducer	Spur column reduction with planetary gears		
Differential	Limited slip on front and rear axles		
Oscillation Angle, each side	12 Deg.		

## Brake system

Service Brake	Full hydraulic wet multiple disc brake, all 4 wheels		
Parking Brake	Auto and manual electronic controlled		
Emergency Brake:	Using parking brake, the brake will automatically/manually apply. Equipped with low-pressure warning and emergency braking warning system.		

## Electrical system

System Voltage	24 V
Starter motor	24 V

## Steering system

Type	Articulated frame, full hydraulic power steering		
No of Steering Cylinders	2		
Steering Pump	Vane pump		
Relief Pressure	2756 psi(19 MPa)		
Steering Angle, each side	38 Deg.		

## Hydraulic system

Main Pump	Vane Pump		
Pump Flow	100 GPM(415 L/min)		
Relief Pressure	3000 psi (20.7 MPa)		
Pilot system relief pressure	580 psi (4 MPa)		
Hydraulic Cycle Time, Rated Load in Bucket(Second)			
Raise (loaded)	Dump	Lower (empty, float down)	Total
6.45	1.3	3.7	11.4

## Tires

26.5R25, L-3

## Capacities

Fuel Tank	112 gal(425 L)
Hydraulic Tank	66 gal(250 L)
Crankcase	10 gal(38 L)
Transmission	16.4 gal(62 L)
Differential & Final Drivers-front	12 gal(45 L)
Differential & Final Drivers-rear	12 gal(45 L)

## Configurations

### Equipment

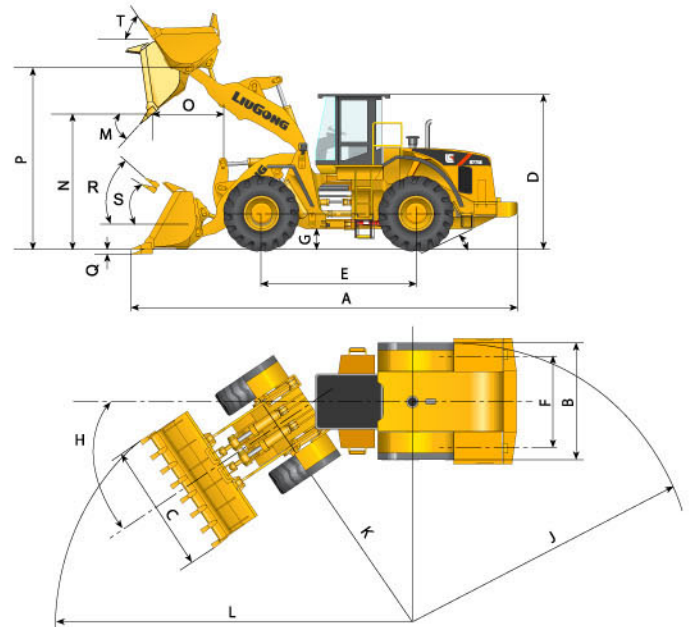
#### • Standard

#### ▲ Optional

- Cummins QSM11
- ZF fixed shaft automatic power shift transmission
- Starting and charging system (24volt)
- Batteries, maintenance free
- Automatic lubrication system
- Cab (ROPS/FOPS), sound suppressed
- Cigar lighter and ashtray
- Seat belt, 3" width
- Steering column, tiltable, telescopic
- Ride control
- Boom braces
- Tire chocks
- Joystick pilot valve and auxiliary pilot valve
- Adjustable boom lift kick-out and bucket return to dig
- General purpose bucket, 5.5 yd<sup>3</sup>(4.2m<sup>3</sup>)
- ▲ Flashing beacon
- ▲ AM/FM Radio
- ▲ Rear view camera
- ▲ Quick bucket, 5.5yd<sup>3</sup> (4.2m<sup>3</sup>)
- Alarm, back up
- Emergency steering
- Climate control system
- Lunchbox and cup holder
- Seat, air suspension
- Single joystick
- Axle coolers
- Tires, Radial, 26.5R25
- Z bar linkage
- ▲ Portable icebox
- ▲ Fenders, full rear
- ▲ Quick coupler

# Dimensions

		With Quick Coupler
A. Length with bucket down	29ft11in(9113mm)	30ft6in (9305mm)
B. Width over tires	9ft9in(2966mm)	9ft9in(2966mm)
C. Width over bucket	10ft4in(3157mm)	10ft4in(3157mm)
D. Height to top of cab	11ft9in(3580mm)	11ft9in(3580mm)
E. Wheelbase	11ft4in(3450mm)	11ft4in(3450mm)
F. Wheel tread, c to c	7ft5in(2270mm)	7ft5in(2270mm)
G. Ground clearance	18in(458mm)	18in(458mm)
H. Turn angle, either side	38 Deg.	38 Deg.
I. Rear angle of departure	28 Deg.	28 Deg.
J. Turning radius, outside of tire	21ft4in(6493mm)	21ft4in(6493mm)
K. Turning radius, center of tire	20ft2in(6145mm)	20ft2in(6145mm)
L. Turning radius, bucket carry	23ft10in(7260mm)	24ft4in(7425mm)
M. Max. dump angle at full height	45 Deg.	45 Deg.
N. Dump clearance at full height discharge	10ft6in(3200mm)	10ft2in(3100mm)
O. Dump reach at full height discharge	4ft3in(1300mm)	4ft7in(1400mm)
P. Max. hinge pin height	14ft4in(4369mm)	14ft4in(4369mm)
Q. Max. digging depth, bucket level	6.5in(165mm)	6.5in(165mm)
R. Bucket rollback at ground level	46 Deg.	46 Deg.
S. Bucket rollback at carry	50Deg.	50Deg.
T. Bucket rollback at max. height	60.6Deg.	60.6Deg.



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① Material and specifications are subject to change without notice.

① Machines shown may include optional equipment. For more information, please consult our local dealers.