Engine	Cummins 6LTAA9.3		
Gross Power	162 kW	(220 hp)	@ 2,200 rpm
Net Power	154 kW	(209 hp)	@ 2,200 rpm
<b>Operating Weight</b>	:		17,100 kg
Standard Bucket Size			3 m <sup>3</sup>
Standard Breakout Force			173 kN
Standard Dump 0	learance		3,100 mm

856H



WHEEL LOADER



TOUGH WORLD, TOUGH EQUIPMENT.

# 856H SPECIFICATIONS >>>

## ENGINE

Emission Regulation	Tier 2 / Stage II
Make	Cummins
Model	6LTAA9.3
Gross Power	162 kW (220 hp) @ 2,200 rpm
Net Power	154 kW (209 hp) @ 2,200 rpm
Peak Torque	940 N · m
Displacement	9.3 L
Number of Cylinder	6
Aspiration	Turbocharged & Air-to-air intercooled

# TRANSMISSION

Transmission Type	Countershaft, power shift
Torque Converter	Single stage, three elemets
Maximum Travel Speed, fwd	40.7 km/h
Maximum Travel Speed, rev	24.7 km/h
Number of Speed, fwd	4
Number of Speed, Rev	3

#### AXLES

Differential Front Type Differential Rear Type Axle Oscillation Conventional Conventional ±12°

Caliper disc brake

Air over hydraulic

Mechanical

Flexible shaft control

Articulated 20.7 MPa

# STEERING

Steering Configuration Steering Relief Pressure

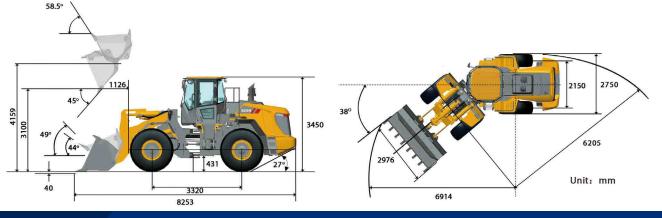
#### BRAKES

Service Brake Type Service Brake Actuation Parking Brake Type Parking Brake Actuation

## HYDRAULIC SYSTEM

Main Pump Type	Gear + Piston
Main Relief Pressure	20.7 MPa
Raise	5.7 s
Dump Time	1.3 s
Float Down Time	3 s
Fastest Total Cycle Time	10 s

LOADER ARM PERFORMANCETipping Load - Straight12,500 kgTipping Load - Full Turn10,800 kgBucket Breakout Force173 kNMaximum Dump Angle at Full Height45°Dump Clearance at Full Height Discharge3,100 mmDump Reach at Full Height Discharge1,126 mmMaximum Hinge Pin Height4,159 mmMaximum Digging Depth, Bucket Level40 mmBucket Rollback at Ground Level44°Bucket Rollback at Carry49°Bucket Rollback at Carry49°Bucket Rollback at Maximum Height58.5°BUCKET PERFORMANCE13 m³PIMENSIONS12,750 mmLength with Bucket Down8,253 mmWheelbase3,320 mmWheel Tread2,150 mmGround Clearance431 mmTurn Angle, Either Side38°Rear Angle of Departure27°Turning Radius, Outside of Tire6,205 mmTurning Radius, Bucket Carry6,914 mmTurning Radius, Bucket Carry6,914 mmTire Size23.5 - 25DPERATING WEIGHTS58.5°Operating Weight17,100 kgSERVICE CAPACITY18 LFuel Tank300 LEngine Oil18 LConling System42 L		
Tipping Load – Full Turn10,800 kgBucket Breakout Force173 kNMaximum Dump Angle at Full Height45°Dump Clearance at Full Height Discharge3,100 mmDump Reach at Full Height Discharge1,126 mmMaximum Hinge Pin Height4,159 mmMaximum Digging Depth, Bucket Level40 mmBucket Rollback at Ground Level44°Bucket Rollback at Carry49°Bucket Rollback at Carry49°Bucket Rollback at Carry3 m³BUCKET PERFORMANCE3 m³PUMENSIONS2,750 mmLength with Bucket Down8,253 mmWidth Over Tires2,750 mmWheelbase3,320 mmWheel Tread2,150 mmGround Clearance431 mmTurn Angle, Either Side38°Rear Angle of Departure27°Turning Radius, Outside of Tire6,205 mmTurning Radius, Bucket Carry6,914 mmTurning Radius, Bucket Carry6,914 mmTire Size23.5 - 25OPERATING WEIGHTS58.50 mmOperating Weight17,100 kgSERVICE CAPACITY100 LFuel Tank300 LEngine Oil18 L	LOADER ARM PERFORMANCE	
Bucket Breakout Force173 kNMaximum Dump Angle at Full Height45°Dump Clearance at Full Height Discharge3,100 mmDump Reach at Full Height Discharge1,126 mmMaximum Digging Depth, Bucket Level40 mmBucket Rollback at Ground Level44°Bucket Rollback at Carry49°Bucket Rollback at Carry49°Bucket Rollback at Maximum Height58.5°BUCKET PERFORMANCE1000000000000000000000000000000000000	Tipping Load - Straight	12,500 kg
Maximum Dump Angle at Full Height45°Dump Clearance at Full Height Discharge3,100 mmDump Reach at Full Height Discharge1,126 mmMaximum Hinge Pin Height4,159 mmMaximum Digging Depth, Bucket Level40 mmBucket Rollback at Ground Level44°Bucket Rollback at Carry49°Bucket Rollback at Maximum Height58.5°BUCKET PERFORMANCE3 m³Reference Bucket3 m³DIMENSIONS2,750 mmWidth Over Tires2,750 mmWheelbase3,320 mmWheel Tread2,150 mmGround Clearance431 mmTurn Angle, Either Side38°Rear Angle of Departure27°Turning Radius, Outside of Tire5,896 mmTurning Radius, Bucket Carry6,914 mmTire Size23.5 - 25DPERATING WEIGHTS17,100 kgOperating Weight17,100 kgEurol Tank300 LEngine Oil18 L	Tipping Load – Full Turn	10,800 kg
Dump Clearance at Full Height Discharge3,100 mmDump Reach at Full Height Discharge1,126 mmMaximum Hinge Pin Height4,159 mmMaximum Digging Depth, Bucket Level40 mmBucket Rollback at Ground Level44°Bucket Rollback at Carry49°Bucket Rollback at Carry49°Bucket Rollback at Carry58.5°BUCKET PERFORMANCE58.5°BUCKET PERFORMANCE58.5°Reference Bucket3 m³DIMENSIONS2,750 mmLength with Bucket Down8,253 mmWidth Over Tires2,750 mmWheelbase3,320 mmWheel Tread2,150 mmGround Clearance431 mmTurn Angle, Either Side38°Rear Angle of Departure27°Turning Radius, Outside of Tire5,896 mmTurning Radius, Bucket Carry6,914 mmTIRESTire SizeZire Size23.5 - 25DPERATING WEIGHTS17,100 kgOperating Weight17,100 kg	Bucket Breakout Force	173 kN
Dump Reach at Full Height Discharge1,126 mmMaximum Hinge Pin Height4,159 mmMaximum Digging Depth, Bucket Level40 mmBucket Rollback at Ground Level44°Bucket Rollback at Carry49°Bucket Rollback at Carry49°Bucket Rollback at Maximum Height58.5°BUCKET PERFORMANCE3 m³PIMENSIONS2,750 mmLength with Bucket Down8,253 mmWidth Over Tires2,750 mmWheelbase3,320 mmWheel Tread2,150 mmGround Clearance431 mmTurn Angle, Either Side38°Rear Angle of Departure27°Turning Radius, Outside of Tire5,896 mmTurning Radius, Bucket Carry6,914 mmTurning Radius, Bucket Carry6,914 mmTire Size23.5 - 25OPERATING WEIGHTSOperating Weight17,100 kgSERVICE CAPACITYFuel Tank300 LEngine Oil18 L	Maximum Dump Angle at Full Height	45°
Maximum Hinge Pin Height4,159 mmMaximum Digging Depth, Bucket Level40 mmBucket Rollback at Ground Level44°Bucket Rollback at Carry49°Bucket Rollback at Maximum Height58.5°BUCKET PERFORMANCEReference Bucket3 m³DIMENSIONSLength with Bucket Down8,253 mmWidth Over Tires2,750 mmWheelbase3,320 mmWheel Tread2,150 mmGround Clearance431 mmTurn Angle, Either Side38°Rear Angle of Departure27°Turning Radius, Outside of Tire6,205 mmTurning Radius, Bucket Carry6,914 mmTIRESTire Size23.5 - 25OPERATING WEIGHTSOperating Weight17,100 kgSERVICE CAPACITYFuel Tank300 LEngine Oil18 L	Dump Clearance at Full Height Discharge	3,100 mm
Maximum Digging Depth, Bucket Level40 mmBucket Rollback at Ground Level44°Bucket Rollback at Carry49°Bucket Rollback at Maximum Height58.5°BUCKET PERFORMANCEReference Bucket3 m³DIMENSIONSLength with Bucket Down8,253 mmWidth Over Tires2,750 mmWheelbase3,320 mmWheel Tread2,150 mmGround Clearance431 mmTurn Angle, Either Side38°Rear Angle of Departure27°Turning Radius, Outside of Tire6,205 mmTurning Radius, Bucket Carry6,914 mmTurning Radius, Bucket Carry6,914 mmTire Size23.5 - 25OPERATING WEIGHTSJone LangeOperating Weight17,100 kgFuel Tank300 LEngine Oil18 L	Dump Reach at Full Height Discharge	1,126 mm
Bucket Rollback at Ground Level 44° Bucket Rollback at Carry 49° Bucket Rollback at Maximum Height 58.5° BUCKET PERFORMANCE Reference Bucket 3 m <sup>3</sup> DIMENSIONS Length with Bucket Down 8,253 mm Width Over Tires 2,750 mm Wheelbase 3,320 mm Wheel Tread 2,150 mm Ground Clearance 431 mm Turn Angle, Either Side 38° Rear Angle of Departure 27° Turning Radius, Outside of Tire 6,205 mm Turning Radius, Center of Tire 5,896 mm Turning Radius, Bucket Carry 6,914 mm Turning Radius, Bucket Carry 6,914 mm SERVICE CAPACITY Fuel Tank 300 L Engine Oil 18 L	Maximum Hinge Pin Height	4,159 mm
Bucket Rollback at Carry 49° Bucket Rollback at Maximum Height 58.5° BUCKET PERFORMANCE Reference Bucket 3 m <sup>3</sup> DIMENSIONS Length with Bucket Down 8,253 mm Width Over Tires 2,750 mm Wheelbase 3,320 mm Wheel Tread 2,150 mm Ground Clearance 431 mm Turn Angle, Either Side 38° Rear Angle of Departure 27° Turning Radius, Outside of Tire 6,205 mm Turning Radius, Center of Tire 5,896 mm Turning Radius, Bucket Carry 6,914 mm Turn Size 23.5 - 25 DPERATING WEIGHTS Operating Weight 17,100 kg	Maximum Digging Depth, Bucket Level	40 mm
Bucket Rollback at Maximum Height58.5°BUCKET PERFORMANCEReference Bucket3 m³DIMENSIONSLength with Bucket Down8,253 mmWidth Over Tires2,750 mmWheelbase3,320 mmWheel Tread2,150 mmGround Clearance431 mmTurn Angle, Either Side38°Rear Angle of Departure27°Turning Radius, Outside of Tire6,205 mmTurning Radius, Bucket Carry6,914 mmTurning Radius, Bucket Carry6,914 mmTire Size23.5 - 25OPERATING WEIGHTS Operating Weight17,100 kgSERVICE CAPACITY17,100 kg	Bucket Rollback at Ground Level	44°
BUCKET PERFORMANCEReference Bucket3 m³DIMENSIONS	Bucket Rollback at Carry	49°
Reference Bucket3 m³DIMENSIONSLength with Bucket Down8,253 mmWidth Over Tires2,750 mmWheelbase3,320 mmWheel Tread2,150 mmGround Clearance431 mmTurn Angle, Either Side38°Rear Angle of Departure27°Turning Radius, Outside of Tire6,205 mmTurning Radius, Center of Tire5,896 mmTurning Radius, Bucket Carry6,914 mmITRESTire Size23.5 - 25OPERATING WEIGHTSOperating Weight17,100 kgSERVICE CAPACITYFuel Tank300 LEngine Oil18 L	Bucket Rollback at Maximum Height	58.5°
Reference Bucket3 m³DIMENSIONSLength with Bucket Down8,253 mmWidth Over Tires2,750 mmWheelbase3,320 mmWheel Tread2,150 mmGround Clearance431 mmTurn Angle, Either Side38°Rear Angle of Departure27°Turning Radius, Outside of Tire6,205 mmTurning Radius, Center of Tire5,896 mmTurning Radius, Bucket Carry6,914 mmITRESTire Size23.5 - 25OPERATING WEIGHTSOperating Weight17,100 kgSERVICE CAPACITYFuel Tank300 LEngine Oil18 L	BUCKET PERFORMANCE	
Length with Bucket Down8,253 mmWidth Over Tires2,750 mmWheelbase3,320 mmWheel Tread2,150 mmGround Clearance431 mmTurn Angle, Either Side38°Rear Angle of Departure27°Turning Radius, Outside of Tire6,205 mmTurning Radius, Center of Tire5,896 mmTurning Radius, Bucket Carry6,914 mmIIRESTire Size23.5 - 25OPERATING WEIGHTS Operating Weight17,100 kgSERVICE CAPACITYFuel Tank300 LEngine Oil18 L		3 m <sup>3</sup>
Width Over Tires2,750 mmWheelbase3,320 mmWheel Tread2,150 mmGround Clearance431 mmTurn Angle, Either Side38°Rear Angle of Departure27°Turning Radius, Outside of Tire6,205 mmTurning Radius, Center of Tire5,896 mmTurning Radius, Bucket Carry6,914 mmTIRESTire Size23.5 - 25OPERATING WEIGHTSOperating Weight17,100 kgSERVICE CAPACITYFuel Tank300 LEngine Oil18 L	DIMENSIONS	
Wheelbase3,320 mmWheel Tread2,150 mmGround Clearance431 mmTurn Angle, Either Side38°Rear Angle of Departure27°Turning Radius, Outside of Tire6,205 mmTurning Radius, Center of Tire5,896 mmTurning Radius, Bucket Carry6,914 mmTIRESTire Size23.5 - 25OPERATING WEIGHTSOperating Weight17,100 kgSERVICE CAPACITYFuel Tank300 LEngine Oil18 L	Length with Bucket Down	8,253 mm
Wheel Tread2,150 mmGround Clearance431 mmTurn Angle, Either Side38°Rear Angle of Departure27°Turning Radius, Outside of Tire6,205 mmTurning Radius, Center of Tire5,896 mmTurning Radius, Bucket Carry6,914 mmTIRESTire Size23.5 - 25OPERATING WEIGHTSOperating Weight17,100 kgSERVICE CAPACITYFuel Tank300 LEngine Oil18 L	Width Over Tires	2,750 mm
Ground Clearance 431 mm Turn Angle, Either Side 38° Rear Angle of Departure 27° Turning Radius, Outside of Tire 6,205 mm Turning Radius, Center of Tire 5,896 mm Turning Radius, Bucket Carry 6,914 mm TIRES Tire Size 23.5 - 25 OPERATING WEIGHTS Operating Weight 17,100 kg SERVICE CAPACITY Fuel Tank 300 L Engine Oil 18 L	Wheelbase	3,320 mm
Turn Angle, Either Side38°Rear Angle of Departure27°Turning Radius, Outside of Tire6,205 mmTurning Radius, Center of Tire5,896 mmTurning Radius, Bucket Carry6,914 mmTIRESTire Size23.5 - 25OPERATING WEIGHTSOperating Weight17,100 kgSERVICE CAPACITYFuel Tank300 LEngine Oil18 L	Wheel Tread	2,150 mm
Rear Angle of Departure27°Turning Radius, Outside of Tire6,205 mmTurning Radius, Center of Tire5,896 mmTurning Radius, Bucket Carry6,914 mmTIRESTire Size23.5 - 25OPERATING WEIGHTSOperating Weight17,100 kgSERVICE CAPACITYFuel Tank300 LEngine Oil18 L	Ground Clearance	431 mm
Rear Angle of Departure27°Turning Radius, Outside of Tire6,205 mmTurning Radius, Center of Tire5,896 mmTurning Radius, Bucket Carry6,914 mmTIRESTire Size23.5 - 25OPERATING WEIGHTSOperating Weight17,100 kgSERVICE CAPACITYFuel Tank300 LEngine Oil18 L	Turn Angle, Either Side	38°
Turning Radius, Center of Tire5,896 mmTurning Radius, Bucket Carry6,914 mmTIRES		27°
Turning Radius, Bucket Carry   6,914 mm     TIRES   Tire Size     Tire Size   23.5 - 25     OPERATING WEIGHTS   Operating Weight     SERVICE CAPACITY   17,100 kg     Fuel Tank   300 L     Engine Oil   18 L	Turning Radius, Outside of Tire	6,205 mm
TIRES     Tire Size   23.5 - 25     OPERATING WEIGHTS     Operating Weight   17,100 kg     SERVICE CAPACITY     Fuel Tank   300 L     Engine Oil   18 L	Turning Radius, Center of Tire	5,896 mm
Tire Size 23.5 - 25   OPERATING WEIGHTS   Operating Weight 17,100 kg   SERVICE CAPACITY   Fuel Tank 300 L   Engine Oil 18 L	Turning Radius, Bucket Carry	6,914 mm
Tire Size 23.5 - 25   OPERATING WEIGHTS   Operating Weight 17,100 kg   SERVICE CAPACITY   Fuel Tank 300 L   Engine Oil 18 L	TIRES	
Operating Weight 17,100 kg SERVICE CAPACITY Fuel Tank 300 L Engine Oil 18 L		23.5 - 25
Operating Weight 17,100 kg SERVICE CAPACITY Fuel Tank 300 L Engine Oil 18 L		
SERVICE CAPACITYFuel Tank300 LEngine Oil18 L		
Fuel Tank300 LEngine Oil18 L	Operating Weight	17,100 kg
Engine Oil 18 L	SERVICE CAPACITY	
<b>3</b>	Fuel Tank	300 L
Cooling System 42 1	Engine Oil	18 L
42 L	Cooling System	42 L



Hydraulic System

Axles, Each

Transmission and Torque Converter

### Guangxi Liugong Machinery Co., Ltd.

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Specifications and designs are subject to change without notice. Machines shown may include optional equipment.

05/2014 Designed by LiuGong

236 L

45 L

33 L