

**Engine**
Cummins QSL 9.3

**Net Power**
202 Hp (149 kW)

**Operating Weight**
17,000 kg – 19,200 kg

**Bucket Capacity**
2.6 – 5.6 m³

856H WHEEL LOADER

TOUGH WORLD. TOUGH EQUIPMENT.
Today, LiuGong is a leader in China’s construction equipment industry and is one of the fastest growing construction equipment companies in the world, providing customers with quality, reliable support across a wide range of equipment.

LiuGong built China’s first modern wheel loader and continues to embrace its commitment to innovation by combining decades of know-how with leading technology from the world’s best component suppliers. LiuGong has established centers of excellence around the globe to guarantee service and support and ensure their customers can work efficiently and productively. LiuGong manufacture at 20 plants and have offices across all major regions of the world including Europe, North America, South America, Asia-Pacific, India, the Middle-East, South Africa and Russia.

An extensive network of regional parts depots operate around the globe to ensure customers receive the support they have come to expect from LiuGong.

Innovation drives industries forward and LiuGong has been driving innovation for nearly 60 years.

An 110,000m² Global Research & Development Centre in Liuzhou, China is equipped with world-class technology and run by industry experts including around 1,000 R&D engineers. In addition to the Liuzhou facility LiuGong operates world-class R&D facilities in Poland, India, the United States and the United Kingdom, supporting their global vision of excellence. Emphasis on quality is reflected in LiuGong’s Six Sigma quality methodology and compliance with ISO 9000 standards.

LiuGong has established joint venture partnerships with some of the industry’s best known names including:

- German drivetrain components manufacturer ZF Friedrichshafen AG
- Finnish mining and aggregates processing equipment manufacturer Metso
- North American diesel engine manufacturer Cummins

Innovation and manufacturing excellence for almost 60 years.
The new 856H is a highly productive partner on the jobsite. It boasts a redesigned Z-bar and bucket, an advanced load-sensing hydraulic system and a responsive powershift transmission that ensures fast cycle times.

**DEPENDABLE POWER**

The 856H benefits from the unmatched performance of the 202 Hp (149 kW) QSL 9.3 EU Stage IIIA compliant engine that not only maximizes torque output delivering more power at lower engine speeds, it also delivers fast throttle response.

**LOAD-SENSING HYDRAULICS**

Where intelligence meets brute force. The load-sensing hydraulic system directs power to the bucket or steering function according to demand, thus ensuring fast response and excellent efficiency. Smooth and superior control of the machine, boom and the attachment is easily achieved. The operator is in full control as power is efficiently distributed to meet the requirements of the job at hand.

**TRANSMISSION**

The 856H offers a choice of two smooth-shifting ZF powershift transmissions: 4F/3R and the all new 5F/3R combination. The five-speed version comes standard with a lock up clutch torque converter that allows for maximum transfer of power to the transmission while maintaining excellent fuel efficiency. Optimized gear ratios and auto-shift functionality provide faster acceleration and responsive cycle times, regardless of the application.

Conveniently located controls provide full command of loader and transmission functions for optimum work efficiency. Kick-down and forward/reverse buttons are conveniently located on the loader joystick. The kick-down function enables the operator to lower the gear with the tip of a finger, increasing engine torque and delivering increased bucket breakout force and improved loading capability.

**NEW BUCKET DESIGN FOR BETTER PAYLOAD CONTROL**

The bucket on the newly designed 856H wheel loader has increased capacity and material holding ability. The 856H loads more easily and carries a larger payload, ensuring every cycle is your most productive.

**AXLES**

The 856H features limited-slip differential axles that automatically deliver power to the wheels, creating excellent traction and virtually eliminating slippage even when operating in soft or uneven ground conditions.

These axles are designed to ensure all four wheels remain on the ground even in rough terrain. The front axle is rigidly-mounted to the frame to support the entire weight of the wheel loader and the rear axle is designed to allow for ± 12° oscillation, delivering greatly enhanced stability and traction.

**RIDE CONTROL**

LiuGong’s new generation ride control, coupled with an automated bucket positioning feature, absorbs shocks and improves ride quality over any terrain. The improved ride ensures material is retained in the bucket and helps improve all round operator comfort, confidence and productivity.

**Z-BAR LINKAGE TO SUPPORT PAYLOAD PERFORMANCE**

The optimized Z-Bar geometry positions the bucket closer to the tires, achieving superior digging force, high bucket breakout force and maximum angle rollback for stable transport of materials with minimal spillage.

The option of a hydraulic quick coupler attachment adds to the versatility of this machine, allowing for the use of multiple tools and attachments to suit the job at hand.

**OPERATOR FRIENDLY ENVIRONMENT**

A comfortable operator is a more productive operator. The ergonomically designed controls, increased visibility and many convenience features in the cab of the 856H ensure long comfortable and productive days on the jobsite.
The new 856H wheel loader not only works hard it works smarter. With integrated advanced technologies and rugged design, the 856H strikes the perfect balance between fuel efficiency and worksite productivity.

**FUEL WISE 6 CYLINDER ENGINE**

The six cylinder, four stroke Cummins QSL 9.3 turbocharged and inter-cooled engine achieves EPA Tier 3 / EU Stage IIIA emission regulations without compromising on power and strength. From air intake to exhaust system, this engine delivers for the environment and your business bottom line.

**AUTO-IDLE SPEED FUNCTION**

Optimizing and controlling engine speed is the key to reducing fuel consumption. The Auto-Idle Speed function on the new 856H allows optimal engine speed control to ensure the appropriate RPM is achieved for the job. If no activity is detected in three seconds, engine speed will automatically reduce to idle speed. When the system detects commanded work, the engine will immediately return to the previous throttle setting speed.

**LOAD SENSING HYDRAULIC SYSTEM FOR OPTIMAL CONTROL**

LiuGong’s new-generation, hydraulic system ensures the mechanical, electrical and hydraulic systems work in perfect harmony. This technology ensures a perfect match of hydraulic flow to the job at hand and power is only supplied when needed, ensuring optimal efficiency.

**KEEP IT COOL**

The cooling system has been totally redesigned providing better cooling and reduced noise. The new 6mm hexagon grill design improves ventilation and a reversible hydraulic fan enables periodic radiator clean-out reducing the power required to operate the cooling system fan.
TOUGH & RELIABLE STRUCTURES

At every stage of design, LiuGong is committed to the principles of reliability and durability. This is evident in the 856H, making this new wheel loader a smart choice for those looking for low cost of ownership and peace of mind.

ENHANCED STRUCTURES

The chassis frame is the wheel loader’s backbone. Particular care has been given to the design of this crucial structural component. Advanced analysis tools, including dynamics and durability simulations have been utilized to ensure the machine is able to absorb all the force, while preventing torsion and twisting and protecting the driveline.

Z-BAR LINKAGE REINVENTED

The newly designed Z-bar takes the full force of the payload and needs to deliver not only strength but clear visibility to the worksite. On the 856H, the Z-bar linkage has been redesigned for improved distribution of stress loads and key components such as hinge pins and lift arm mounting plates have been cast from materials specially heat treated, for increased strength.

PROVEN ENGINE

The engine is the heart of the wheel loader and essential to performance over the life of the machine. The Cummins QSL 8.3 engine is well known in the industry having worked millions of hours of operation across hundreds of thousands of worksites. When designed into a LiuGong machine, this engine endures 30,000 hours of rigorous LiuGong field testing to ensure the proven quality and reliability of every machine.

LOW MAINTENANCE BRAKE SYSTEM

In-axle hydraulic brakes isolate the components from the external environment, ensuring a long working life and easy maintenance. The new lubrication system is designed to deliver better brake performance and dramatically reduce tire wear.

World-class components deliver maximum reliability and durability in every machine.
AN ENVIRONMENT DESIGNED FOR WORK

Ergonomically designed controls, a roomy cab, clear visibility and convenient features all contribute to operator comfort and overall productivity on the jobsite.

SEE BETTER, WORK BETTER
The new 856H is designed to offer maximum visibility for safe and efficient operation. A panoramic view is made possible by the cab’s curved front glass and well-positioned lift arms. The operator has a clear line of sight to the bucket edge at ground level and exceptional views of the machine corners. The 856H also comes with an optional rear-view camera to help keep an extra eye on the jobsite.

WORK IN COMFORT
The spacious cab of the 856H maximizes operating space and provides a comfortable work area for the operator. The vertically and horizontally adjustable air suspension seat ensures the operator can work long days in comfort and with less fatigue.

Sound and vibration levels inside the cab are a low 75 Db (A) thanks to the high quality sealing, quieter electrical system and efficient cooling compartment.

PRECISE COMMAND & CONTROL
For easy operation, a choice between joystick and finger control levers give the operator simultaneous and precise control. Forward and reverse shifting and kick-down functions are ergonomically positioned for easy operator use, improving productivity and reducing operator fatigue.

FRESH AIR ALWAYS
The new 856H cab is designed with balanced air recycling ventilation to achieve positive pressure and continuous fresh air inside the cab. The air conditioning system is equipped with eight all-around vents to keep the cab comfortable no matter the outside temperature. Easy-to-replace air filters eliminate dust and prevent particles from entering the cab.
SERVICING MADE SIMPLE

The 856H boasts a number of innovations to make servicing and maintenance faster, easier, and more cost-effective, leaving you time to focus on your business.

EASY ACCESS

The electrically actuated, wide-opening fiberglass hood of the new 856H gives fast access to the engine and its easy-to-reach service points.

The cab filter has been relocated to the left side of the cab so it can be easily accessed for fast ground level servicing.

The electric control box is situated behind the operator’s seat and centralizes all connecting lines allowing for quick reach and easy assessment.

The hydraulic oil gauge is clearly visible from ground level, making visual checks easy and efficient.

AUTOMATIC SYSTEMS

An automatic greasing system maximizes uptime, and the use of the operator-selectable, reversible fan function allows for effective self-cleaning, extending the manual radiator cooling intervals.

SAFE MAINTENANCE

Well-positioned anti-slip tapes and support railings provide superior grip to ensure improved safety for service staff during routine maintenance.
PART OF YOUR PERFORMANCE

We know that confidence in your machine and those who support it is essential. So at LiuGong, we make sure we can always get what you need without delay, via our nine global parts depots, and the support of our network of local dealers across 130 countries worldwide.

No matter where you are in the world, we can ensure fast and efficient parts support to keep you going.

GENUINE PARTS

Using genuine LiuGong parts is the key to keeping your running costs low and your machine working in top order. Built for purpose and engineered to work perfectly together, our parts and components are rigorously tested to ensure they can stand up to the demands of all types of work environments.

LiuGong engineering sets high standards and all parts are rigorously tested to ensure they can meet the rigid quality specifications required for long lasting performance.

GET MORE FROM YOUR MACHINE

The new 856H is designed to work with a wide range of attachments to maximize the versatility of your machine. Simple and fast changeover of attachments are made possible thanks to the quick coupler and optimized Z-bar design.

The machine can be equipped with a range of general purpose, rock, grapple and light material buckets to 5.6m³. Other specialized attachments and pallet forks give even more choice.

GENERAL PURPOSE
LIGHT MATERIAL
ROCK
SIDE-DUMP BUCKET
GRASS GRAPPLE
GRAPPLE WITH ALIGNED TEETH
GRAPPLE WITH CROSSED TEETH
FORKS
MAXIMIZE YOUR RETURN ON INVESTMENT

DEPENDABLE POWER
Unmatched performance is driven by the Cummins QSL 9.3 EPA Tier 3 / EU Stage IIIA Engine - maximizing torque output and delivering more power and breakout force at lower engine speeds.

ADVANCED HYDRAULIC SYSTEM
LiuGong’s new-generation advanced hydraulic system organizes the mechanical, electrical and hydraulic systems to work in perfect harmony. Power is supplied only as needed, achieving optimum efficiency.

AUTO-IDLE SPEED FUNCTION
Optimizing and controlling engine speed is key to reducing fuel consumption. The Auto-Idle Speed function provides optimal control in allocating the required RPM for the work required.

CONTROLS
Kick-down and forward/reverse button are conveniently located on the loader joystick for efficient operator use, reducing cycle times and improving productivity.

Z-BAR LINKAGE REINVENTED
Optimized Z-Bar geometry positions the bucket closer to the tires, achieving high bucket breakout forces and stable payload transport with minimal spillage.

AXLES
The limited-slip differential axles automatically deliver power to the wheels, increasing traction for optimum performance even in the toughest terrain.

VERSATILITY
The quick coupler ensures easy and efficient switching between attachments so you get the most productivity from your machine.

ALL ROUND VISIBILITY
The cabs curved front glass design and well positioned loader lift arms provide a broad visibility and easy line of sight to the bucket edge at ground level.

TRANSMISSION
The new 5-speed ZF powershift transmission, including torque converter, provides maximum transfer of power to improve performance and fuel efficiency.

AFTER SALES SUPPORT
With over 2,650 outlets, you can feel confident that our dealers and regional offices will be there to support you with training, service and maintenance and expert advice for the life of your machine.

VERSATILITY
The quick coupler ensures easy and efficient switching between attachments so you get the most productivity from your machine.

PARTS
Our extensive network of support is always there when you need it, from genuine LiuGong parts to expert service, to maximize your business profitability.
WHERE YOU NEED US WHEN YOU NEED US

LiuGong is committed to providing reliable and tough equipment combined with dependable service to customers across the globe.

We offer local support through our extensive dealer network in more than 130 countries. Our dealers and customers are supported by 10 regional subsidiaries and 9 global parts centers, all offering expert training, parts and service support.

PROFESSIONAL ADVICE
No matter the job, we can help you choose the right machine, with the right specifications, options and attachments for your business. We are committed to ensure maximum uptime and lowest cost of ownership to ensure you get good profitable return form your equipment.

SERVICE AGREEMENTS
At LiuGong, we offer service agreements to support your business needs and help you take control of all your costs. Talk to us today.
SAFETY WITHOUT COMPROMISE

LiuGong is committed to your safety on the jobsite and the 856H wheel loader comes equipped with all the necessary safety features to offer you peace of mind.

FOPS/ROPS CAB
The 856H comes standard with a Rollover Protection System (ROPS) and Falling Object Protection System (FOPS) for extra peace of mind.

ALL-AROUND VISIBILITY
In addition to the new curved front glass cab, all-around visibility is supported by a rear view camera to help you keep an extra eye on the jobsite. Choice of LED working lights provide even better visibility for low light or night time work.

SAFE ENTRY
The welded 4-bar steps are non-slip and spaced far enough apart to ensure debris doesn’t collect on the steps, but close enough to ensure safe climbing. Well positioned grab handles and platforms make cab access easy and safe.

OPERATOR FRIENDLY
A strong cab seal blocks the ingress of dust and minimizes sound and vibration levels to ensure a comfortable, safe and focused work environment.

Keep safe when reversing with a rear view camera that keeps an extra eye on the jobsite.
## SPECIFICATIONS

### ENGINE

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make</td>
<td>Cummins</td>
</tr>
<tr>
<td>Model</td>
<td>QSL9.3</td>
</tr>
<tr>
<td>Engine output - Gross (SAE J1995 / ISO 14396)</td>
<td>162 kW (220 hp) @ 2,000 rpm</td>
</tr>
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<td>149 kW (202 hp) @ 2,000 rpm</td>
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<tr>
<td>Peak torque</td>
<td>1,000 Nm</td>
</tr>
<tr>
<td>Displacement</td>
<td>9.3 L</td>
</tr>
<tr>
<td>Number of cylinders</td>
<td>6</td>
</tr>
<tr>
<td>Aspiration</td>
<td>Turbocharged &amp; Charge air cooler</td>
</tr>
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</table>

### TRANSMISSION

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<thead>
<tr>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Torque converter type</td>
<td>Single-stage, three elements</td>
</tr>
<tr>
<td>Transmission type</td>
<td>Countershaft, power shift</td>
</tr>
<tr>
<td>Maximum travel speed, fwd</td>
<td>38.3 km/h</td>
</tr>
<tr>
<td>Maximum travel speed, rev</td>
<td>23.3 km/h</td>
</tr>
<tr>
<td>Number of speed, fwd</td>
<td>4</td>
</tr>
<tr>
<td>Number of speed, rev</td>
<td>3</td>
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</table>

### AXLES

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<tr>
<th>Description</th>
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<tr>
<td>Model</td>
<td>AP3000 (Wet type)</td>
</tr>
<tr>
<td>Differential front type</td>
<td>Limited slip</td>
</tr>
<tr>
<td>Differential rear type</td>
<td>Limited slip</td>
</tr>
<tr>
<td>Axle oscillation</td>
<td>±12°</td>
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### SERVICE CAPACITY

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<td>Cooling System</td>
<td>52 L</td>
</tr>
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<td>Hydraulic System</td>
<td>236 L</td>
</tr>
<tr>
<td>Transmission and Torque Converter</td>
<td>35 L</td>
</tr>
<tr>
<td>Axles, Each</td>
<td>44 L</td>
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</table>

### BRAKES

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<td>Two independent brake circuits, accurate control with the advanced main valve &amp; piston pump.</td>
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</tr>
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<td>Wet disc brake, two independent circuits</td>
</tr>
<tr>
<td>Service brake actuation</td>
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<tr>
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<tbody>
<tr>
<td>System supply</td>
<td>Two axial piston pumps with variable displacement. The steering function always has priority.</td>
</tr>
<tr>
<td>Valves</td>
<td>Double-acting 2-spool valve. The main valve is controlled by a 2-spool pilot valve.</td>
</tr>
<tr>
<td>Lift function</td>
<td>The valve has four positions: lift, hold, lower, and float. Inductive/magnetic automatic boom kick-out can be switched on and off and is adjustable to two positions: bucket at ground level and maximum reach full lifting height.</td>
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<tr>
<td>Main pump type</td>
<td>Piston</td>
</tr>
<tr>
<td>Main relief pressure</td>
<td>22 MPa</td>
</tr>
<tr>
<td>Raise</td>
<td>5.8 s</td>
</tr>
<tr>
<td>Dump time</td>
<td>1.4 s</td>
</tr>
<tr>
<td>Float down time</td>
<td>3 s</td>
</tr>
<tr>
<td>Fastest total cycle time</td>
<td>10.2 s</td>
</tr>
<tr>
<td>Controls</td>
<td>Joystick</td>
</tr>
<tr>
<td>Filter</td>
<td>Full-flow filtration through 12 micron (absolute) filter cartridge</td>
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856H WHEEL LOADER

SPECIFICATIONS

STEERING
Description
Steering system: Load-sensing hydraulic articulated steering.
System supply: The steering system has priority feed from a load-sensing axial piston pump with variable displacement.
Steering cylinders: Two double-acting cylinders.
Steering configuration: Articulated
Steering relief pressure: 18 MPa
Steering cylinders: 2
Cylinder bore: 90 mm
Rod diameter: 50 mm
Stroke: 465 mm
Maximum flow: 140 L/min
Maximum articulation: ±38°
Smallest turn (over tire): 6,205 mm

ELECTRICAL SYSTEM
Description
The central warning system is a contronic electrical system with central warning light and buzzer for the following functions: serious engine fault, low steering system pressure, interruption in communication (computer failure). A central warning light and buzzer when the gear is engaged is for the following functions: low engine oil pressure, low transmission oil pressure, high transmission oil temperature, low brake pressure, engaged parking brake, brake charging failure, high hydraulic oil temperature.
Voltage: 24 V
Batteries: 2 x 12 V
Battery capacity: 2 x 120 Ah
Cold cranking capacity, approx: 850 A
Reserve capacity: 230 min
Alternator rating: 1,960 W / 70 A
Starter motor output: 4.8 kW

SOUND & ENVIRONMENT
Sound level in cab: according to ISO 6396-2008/EN ISO 3744-1995
75 dBA (A) - Travel mode
76 dBA (A) - Stationary work mode
External sound level according to ISO 6395-2008
108 dBA (A) - Travel mode
109 dBA (A) - Stationary work mode
Ventilation: 9.2 m³/h (12 yd³)
Heating capacity: 5.8 kW (7.8 hp)
Air conditioning: 6 kW (8 hp)

CAB
Description
Instrumentation: All important information is centrally located in the central instrument panel and operator’s field of vision.
Large curved front glass, rear mirrors ensure great visibility.
Adjustable steering column, high back seat, armrest box and A/C with all-around air outlets.
Pressurized cab with lower interior noise.
The cab is tested and approved according to ROPS (ISO 3471), FOPS (ISO 3449).

LOADER ARM PERFORMANCE WITH ATTACHMENT
Tipping load - straight: 12,400 kg
Tipping load – full turn: 10,800 kg
Bucket breakout force: 179 kN
A Maximum hinge pin height: 4,159 mm
B Dump clearance at full height discharge: 3,100 mm
C Dump reach at full height discharge: 1,126 mm
D Maximum digging depth, bucket level: 80 mm
S1 Bucket rollback at ground level: 42°
S2 Bucket rollback at carry: 48°
S3 Bucket rollback at maximum height: 58°
S4 Maximum dump angle at full height: 45°

DIMENSIONS
E Ground clearance: 431 mm
G Wheelbase: 3,320 mm
H Cab height: 3,450 mm
J Wheel tread: 2,150 mm
K Width over tires: 2,750 mm
L Length with bucket down: 8,357 mm
M Turn angle, either side: 38°
P Rear angle of departure: 27°
R1 Turning radius, bucket carry: 6,896 mm
R2 Turning radius, outside of tire: 6,205 mm
**SPECIFICATIONS**

**TIRES**

Choosing the right tires for your machine will become a key competitive advantage to achieve outstanding performance. Through close engineering and development cooperation with renowned and carefully selected suppliers, Liugong can offer full range of tyres specially tailored for wheel loader.

<table>
<thead>
<tr>
<th>Code</th>
<th>Application</th>
<th>Patterns</th>
<th>Size</th>
<th>PR</th>
<th>dB Type</th>
<th>Width</th>
<th>Overall Diameter</th>
<th>Tread Depth</th>
<th>Load Capacity, 10 km/hr / 10 km/hr</th>
</tr>
</thead>
</table>
| L2   | • where good traction is needed, e.g. at grading work.  
• in soild and muddy operation where sharp stones do not occur.  
• in all load/carry operations. | 23.5-25 | 12 | TL | 595 mm | 1,615 mm | 29.5 mm | 3,650 / 6,150 kg |
| L2   | 23.5-25 | 16 | TL | 595 mm | 1,615 mm | 35.5 mm | 6,150 / 5,500 kg |

**ATTACHMENTS**

Liugong attachments with pin-on or quick-coupler ensure high quality. The integrated design of the system creates a perfect match to achieve superior productivity.

<table>
<thead>
<tr>
<th>Type</th>
<th>Capacity</th>
<th>Width</th>
<th>Digging Depth</th>
<th>Dump Clearance</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Purpose</td>
<td>2.6 m³</td>
<td>2,972 mm</td>
<td>1,347 mm</td>
<td>35 mm</td>
<td>3,193 mm</td>
</tr>
<tr>
<td>Light Material</td>
<td>2.7 m³</td>
<td>2,944 mm</td>
<td>1,387 mm</td>
<td>35 mm</td>
<td>3,174 mm</td>
</tr>
<tr>
<td>Rock</td>
<td>2.8 m³</td>
<td>2,904 mm</td>
<td>1,425 mm</td>
<td>35 mm</td>
<td>3,117 mm</td>
</tr>
<tr>
<td>Grapple</td>
<td>2.9 m³</td>
<td>2,868 mm</td>
<td>1,484 mm</td>
<td>35 mm</td>
<td>3,138 mm</td>
</tr>
</tbody>
</table>

**STANDARD EQUIPMENT**

**ENGINE**

- Cummins QSL9.3 Engine, EPA Tier 3 / EU Stage
- IAA Engine output net 494 kW (662 hp) charge air cooler, 6 cylinders, 4 stroke
- High pressure common rail
- Pre-filter with water separator
- Fuel filter
- Direct driven fan
- Grid heater

**TRANSMISSION**

- ZF 4WG208 automatic power shift transmission
- Kick-down function, PWR, P493
- Transmission oil level sight gauge
- Secondary oil filter, oil stick
- Remote pressure taps for diagnostics
- Auto shifting mode by speed
- Interlock between parking brake and gear shifting

**ELECTRIC SYSTEM**

- Two front lights with high/low beam
- Two front headlights on top of cab
- Two rear headlights on top of cab
- Turn signals with flasher
- Batteries, free of maintenance
- Cigarette lighter, 12V power outlet
- Electric horn
- Front and rear windshield wiper
- Electronic device compartment
- Back-up alarm
- Radio/player with USB port
- Reversing warning light, automatic

**GAUGE GROUP**

- Oil level
- Hour meter
- Voltage
- Brake oil pressure

**OPTIONAL EQUIPMENT**

**ENGINE**

- Cold start aid
- Oil bath double air filters

**AXLE**

- ZF wet axle with limited slip differentials

**HYDRAULIC SYSTEM**

- Two pumps with variable displacement hydraulic load-sensing
- Single joystick control
- Boom kick-out, automatic
- Bucket positioner, automatic
- Plug at the port of bucket and boom cylinder for pressure check
- Emergency boom lower via pilot accumulator

**STEERING SYSTEM**

- Load sensing system with flow amplification and steering priority

**TIRE & RIM**

- 23.5-25L9 bias tire
- Normal fender

**CHASSIS FRAME**

- Spacious central articulation arrangement with conic bearing
- Articulation locking bar
- Tow hitch
- Rubber cushion articulation stops

**LINKAGE & ATTACHMENTS**

- Z-bar linkage
- Rock bucket
- Cab rear windshield defroster
- Air conditioner
- Two front headlights on top of cab
- Rock bucket
- Cab rear windshield defroster
- One interior & dual exterior rear-view mirrors
- Air conditioner
- Plastic cab mounts
- Large curved front glass
- Automatic central lubrication

**OTHERS**

- Multi-function control
- Additional fire extinguisher
- Cab rear windshield defroster
- Rock bucket
- Cab rear windshield defroster
- Forks
- Snow blade

**INDICATOR GROUP**

- Intake air filter alert
- Battery charging
- Parking brake applied
- Machine emergency stop
- Power cut-off
- Engine servicing
- Turning lights
- Transmission oil pressure alarm
- Engine starter running
- Beam of front light

**CAB**

- Certified FOPS (ISO 3449) and ROPS (ISO 3471)
- Seat - mechanical suspension with 3 inch seat belt
- 2-way adjustable steering column
- Large curved front glass
- Cab rear cab mounts
- Cab fresh air filter
- One interior & dual exterior rear-view mirrors
- Air conditioner
- Lift-up/door/cab holder
- One beverage holder
- Cigarette lighter

- Manual central lubrication
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