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The technical specifications are subject to change without prior notice.

The machines shown on illustrations and pictures are the standard models.
They may or may not include optional equipment, attachments as well as
all the standard machines with different colors and functions.

To ensure correct operation, please read and understand the Operator's
Manual before use.

The New Generation H-Series Loaders

The 5-ton series



XG953H
XG955H
XG956H
XG958H



The New Generation H-Series Loaders

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The New Generation H-Series Loaders *The 5-ton series*

Table of Contents



High Reliability

- ⚙ Upgraded & enhanced front & back frames
- ⚙ Optimized H-series bucket
- ⚙ Enhanced front axle of the H-Series
- ⚙ Enhanced brake caliper
- ⚙ Fully optimized layout of pipes
- ⚙ Waterproof connectors
- ⚙ Improved painting process

Pages 1-4

Safety

- ⚙ Complete safety signs
- ⚙ Neutral start protection for safer operation
- ⚙ Optional ROPS/FOPS cab
- ⚙ Flame retardant materials and EU-certified glass are used in the cab, offering higher safety
- ⚙ Newly added rear wiper

Pages 7-8

High Efficiency and Energy Conservation

- ⚙ Patented dual-pump confluence and diffuence technology
- ⚙ Standard models provide the highest dumping height
- ⚙ Small turning radius
- ⚙ Biggest traction under combinatory operating conditions
- ⚙ Green, turbocharged, intercooled engine
- ⚙ New energies like LNG/CNG
- ⚙ Patented proportional differential

Pages 5-6

Comfortable Operation

- ⚙ Low-noise design for the machine
- ⚙ Ergonomics design of cab
- ⚙ Large field view in the H-series cab
- ⚙ Electronic oil level indicator comes as standard
- ⚙ Optional models with adjustable directions

Pages 9-10

Convenient Maintenance

- ⚙ Centralized lubricating grease inlet for easier adding butter
- ⚙ Central electrical control box for easier servicing
- ⚙ Wide-opening hood for easier servicing & maintenance of engine
- ⚙ Convertible fuel tank
- ⚙ Particular toolbox design
- ⚙ Optimized servicing marks

Pages 11-12

Multifunctional

Pages 13-16

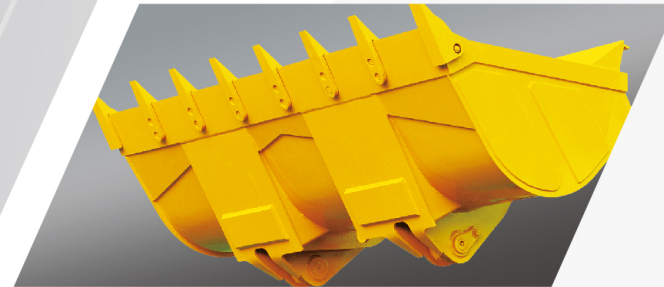
Parameters

Pages 17-18

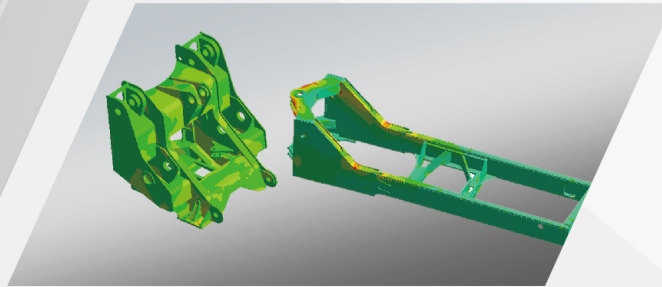
The New Generation H-Series Loaders

Improved performances, more efficient, more reliable, and more economic, maximizing value for customers

High Reliability



- H Optimized H-series bucket**
The H-series bucket is locally enhanced, to prevent the bucket from cracking, extend its service life, and offer a higher load capacity.

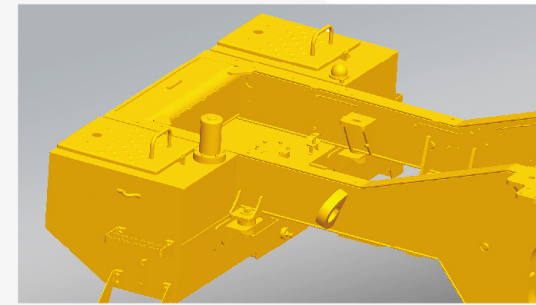


- H Upgraded & enhanced front & back frames**
Finite Element Method and automatic welding by robots result in better overload protection and a higher torsion constant

- H Convex platform hinge-pin binder plate**
The convex platform hinge-pin binder plate is used, to reasonably increase the axial displacement of the hinge pin, and to prevent the hinge pin's set bolt from becoming loose or broken, making it safe, reliable and more durable.



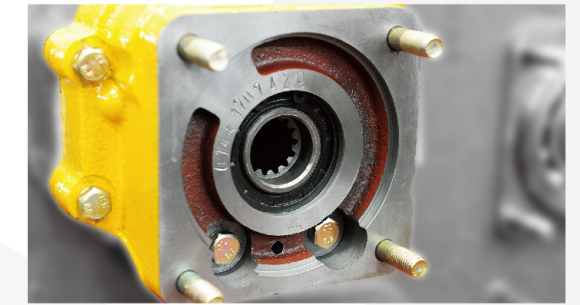
- H Reinforced counterweight**
The welding of the counterweight is improved, to prevent rust; the battery compartment is a sealed structure, which is waterproof and dustproof, to provide a longer battery life.



- H Enhance strength of the rear fuel tank**
The redesigned rear fuel tank is stronger and connected more reasonable.



- H Vertical cylinder's ear seat become thicker**
The ear seat of the boom arm's vertical cylinder has become thicker in the H-Series Models, to dramatically increase the carrying capacity of the boom arm's cylinder.



- H The transmission uses the involute spline power take-off**
This design improves the reliability of pump drive and reduces the pump's failure rate.



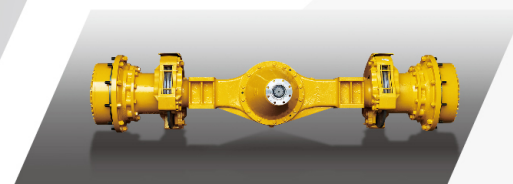
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High Reliability

H Enhanced front axle of the H-Series

The strength of the front axle housing and set bolt are increased, resulting in higher carrying capacity of the front axle.



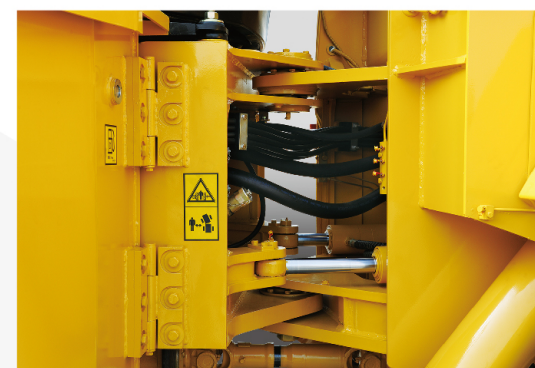
H Enhanced brake caliper

The braking distance is shorter and safer.



H The optimized layout of pipes

The reasonable and clear layout of pipes improves the vehicle's operation reliability and serviceability.



H Upper & lower hinge pins of the bucket are added with the removable dust rings (Patent No. : 201220176157.6)

XGMA's patented removable dust rings are dustproof and waterproof, easily serviceable, and durable. It's only required to remove the dust rings during maintenance which is convenient and can effectively increase the service life of hinge pins.



H Waterproof connectors

The harness uses the IP55 or better waterproof connectors for better durability and reliability.

H Fittings with O-rings

The cold-formed steel pipe fittings are used. All the fitting flanges use the ISO6121 O-rings and slots, to increase the tightness and improve the vehicle's reliability.



H Improved painting process

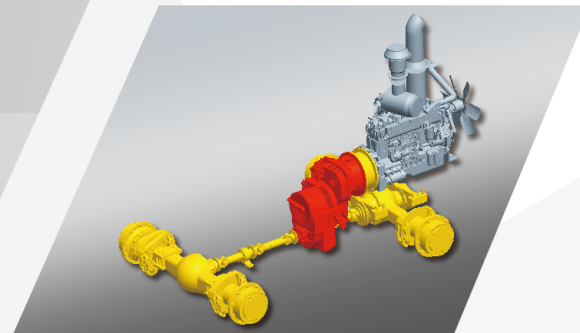
The electrophoresis technology for car finishing is used. Parts are assembled after being coated, to make the machine look better, and avoid blind spots during painting.



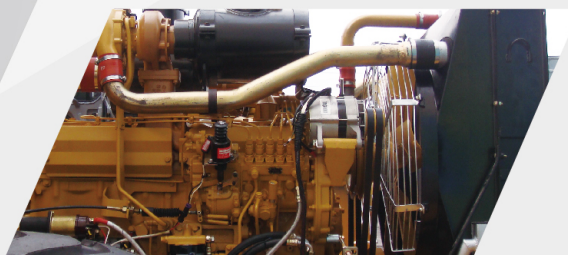
The New Generation H-Series Loaders

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High Efficiency and Energy Conservation



- H Powerful drivetrain**
The optional electronic transmission perfectly combined with the turbocharged, intercooled engine provides a big torque output, to maximize the machine's traction and lifting performance.



- H Green engine with improved performance**
The turbocharged, air-air intercooled engine technology increases power output by 30%, reduces fuel consumption by 10%, and improves reliability by 30%; the governor (speed limiter), the first of its kind specifically designed for construction machines, shortens response time by 30%!



- H New energies like CNG/LNG**
The world's only mass-produced loaders using both CNG & LNG, offer a low repair cost and low noise, and are energy efficient, environmental friendly, reliable, and safe.

- H The patented proportional differential**
XGMA's optional patented proportional differential provides better maneuverability and interchangeability for the machine, reduces tire wearing, and increases energy efficiency.



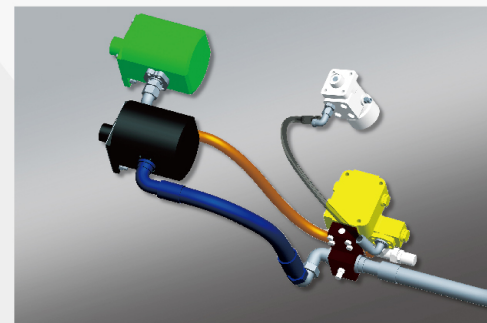
- H Advanced mechanism increasing productivity**
The work device built with a patented technology offers better fitness, higher productivity and shorter work cycle.



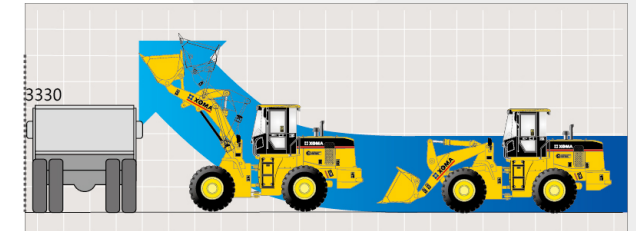
- H The cold-start specifically designed for cold regions**
The optional cold-start specifically designed for cold regions guarantees normal start at extremely low temperatures.



- H Patented dual-pump confluence and diffiulce technology**
XGMA's hydraulic system featuring patented dual-pump confluence and diffiulce and equivalent unloading technologies giving priority to steering is efficient and energy-saving, providing better power output and lower fuel consumption.



- H The highest dumping height**
Based on standard machine configuration, XGMA offers the highest dumping height among the 5-ton loaders with the same wheel base in the industry, meeting the requirements for various working conditions.



- H Biggest traction under combinatory operating conditions**
XGMA's loaders have the biggest traction under combinatory operating conditions in the industry, offering higher productivity and energy efficiency.



- H Small turning radius**
The proprietary optimization technology offers a small turning radius, strong maneuverability, and high flexibility.



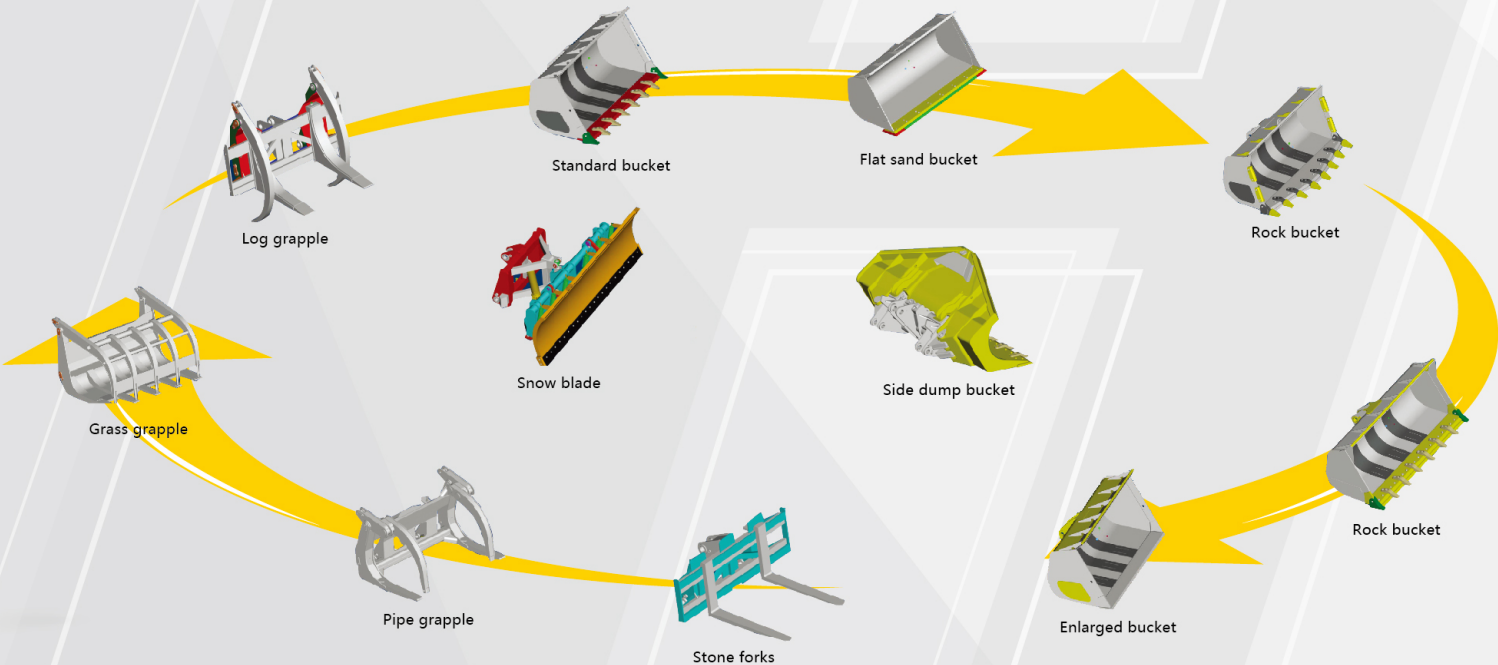
The New Generation H-Series Loaders

Improved performances, more efficient, more reliable, and more economic, maximizing value for customers

Multifunctional



Parameters	Model	XG955H	XG956H	XG958H
Standard bucket		Bucket capacity: 3.0m³ Applications: loading materials with density≤1.65g/cm³	Bucket width: 2990mm Equipped with eight standard bucket teeth	
Rock bucket		Bucket capacity: 2.2m³ Equipped with wear resistant spade-edge main cutting edge, auxiliary cutting edge with protector, bucket teeth, side teeth and teeth covers	Bucket width: 3014mm Applications: loading materials with density≤2.25g/cm³	
Rock bucket		Bucket capacity: 2.5m³ Equipped with wear resistant auxiliary cutting edge, bucket teeth and side teeth	Bucket width: 2994mm Applications: loading materials with density≤1.95g/cm³	
Enlarged bucket		Bucket capacity: 3.6m³ Bucket tooth is not equipped.	Bucket width: 2940mm Applications: loading materials with density≤1.35g/cm³	
Flat sand bucket		Bucket capacity: 3.6m³ Equipped with wear resistant main cutting edge and auxiliary cutting edge	Bucket width: 3010mm Applications: loading materials with density≤1.35g/cm³	
Flat sand bucket		Bucket capacity: 3.0m³ Equipped with wear resistant main cutting edge and auxiliary cutting edge	Bucket width: 3010mm Applications: loading materials with density≤1.65g/cm³	
Flat sand bucket		Bucket capacity: 5.0m³ Equipped with wear resistant main cutting edge and auxiliary cutting edge	Bucket width: 3600mm Applications: loading materials with density≤1.65g/cm³	
Log grapple		Width: 2160mm Maximum enclosing circle: 900mm	Maximum opening: 1819mm Applications: loading small logs	Minimum enclosing circle: 200mm
Pipe grapple		Width: 2432mm Maximum enclosing circle: 1000mm	Maximum opening: 2202mm Applications: loading pipes	Minimum enclosing circle: 800mm
Grass grapple		Width: 3000mm minimum enclosing circle: 1000mm	Maximum opening: 3010mm Applications: loading loose paper and grass	
Side dump bucket		Bucket capacity: 1.8m³ Easily achieve change of left & right side dump (shift the hinge pin between bracket and bucket). Equipped with wear resistant main cutting edge, auxiliary cutting edge and seven bucket teeth.	Bucket width: 2992mm Applications: loading materials with density≤2.25g/cm³	
Snow blade		Width: 3500mm Efficient snow removing width: 2900mm	Thickness: 1000mm Height: 1050mm Oscillating angle: 6°	Deflection angle in working condition: 35° (left/right) Height of surmountable obstacle: 80mm
Stone forks		Fork length: 1400mm		
Quick coupling bucket		Bucket capacity: 2.2m³ Applications: loading materials with density≤1.95g /cm³	Bucket width: 3000mm Equipped with seven standard bucket teeth	
Quick coupling log grapple		Width: 2400mm Minimum enclosing circle: 1000mm	Maximum opening: 2200mm Applications: loading small logs	
Quick coupling fork		Fork length: 1500mm		



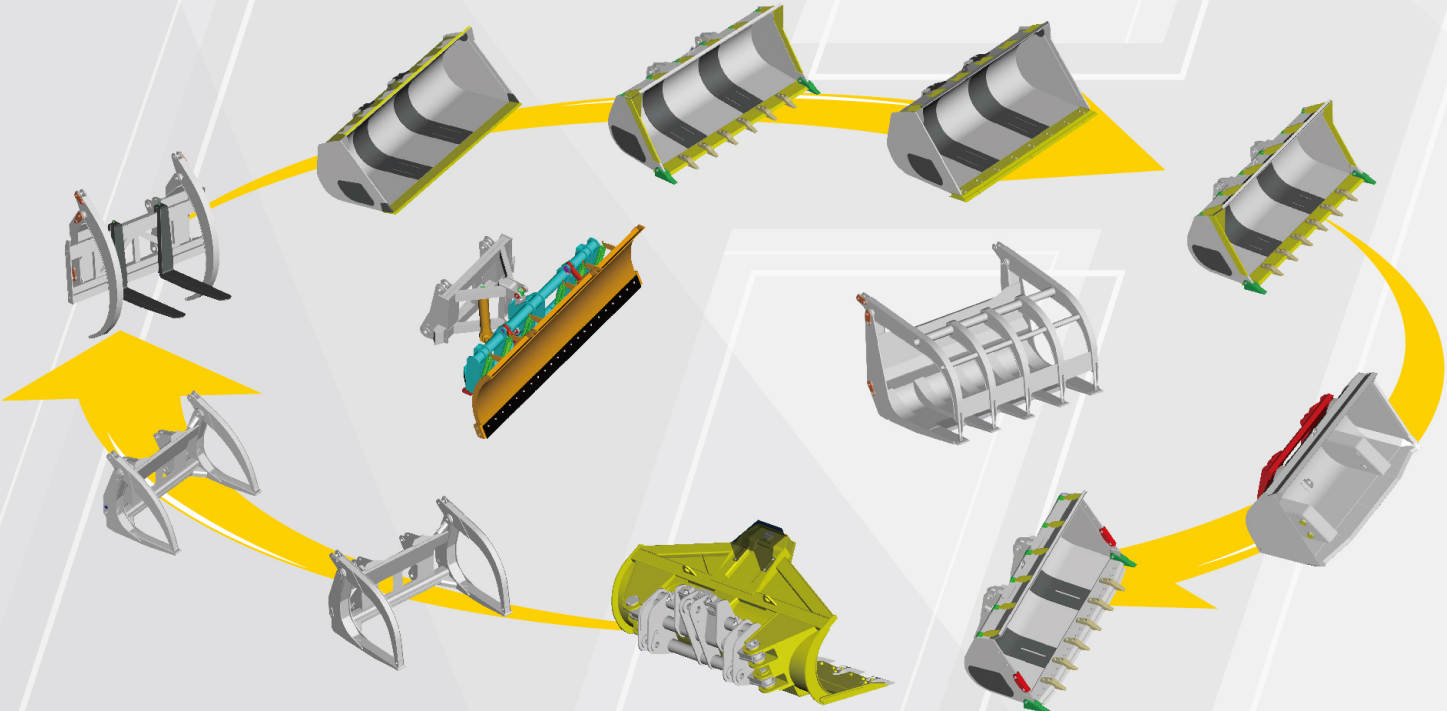
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Multifunctional



Parameters	Model	XG953H
Standard bucket	Bucket capacity: 2.7m³ Applications: loading materials with density≤1.65g/cm³	Bucket width: 3028mm Equipped with eight standard bucket teeth
Rock bucket	Bucket capacity: 2.2m³ Equipped with wear resistant spade-edge main cutting edge and side teeth	Bucket width: 3028mm Applications: loading materials with density≤2.25g/cm³ Equipped with auxiliary cutting edge with protector, bucket teeth
Gravel bucket	Bucket capacity: 2.5m³ Applications: loading materials with density≤1.95g/cm³	Bucket width: 3028mm Equipped with eight standard bucket teeth
Enlarged bucket	Bucket capacity: 3.0m³ Applications: loading materials with density≤1.65g/cm³	Bucket width: 2970mm Bucket tooth is not equipped.
Enlarged bucket	Bucket capacity: 3.6m³ Applications: loading materials with density≤1.35g/cm³	Bucket width: 2970mm Bucket tooth is not equipped.
Enlarged bucket	Bucket capacity: 4.0m³ Applications: loading materials with density≤1.00g/cm³	Bucket width: 3270mm Bucket tooth is not equipped.
Enlarged bucket	Bucket capacity: 4.5m³ Applications: loading materials with density≤1.00g/cm³	Bucket width: 3570mm Bucket tooth is not equipped.
Flat sand bucket	Bucket capacity: 3.6m³ Equipped with wear resistant main cutting edge and auxiliary cutting edge	Bucket width: 3010mm Applications: loading materials with density≤1.35g/cm³
Fixed log grapple	Width: 2400mm Minimum enclosing circle: 1000mm	Maximum opening: 2220mm Applications: loading small logs
Pipe grapple	Width: 2400mm Maximum enclosing circle: 1000mm	Maximum opening: 2405mm Minimum enclosing circle: 750mm Applications: loading pipes
Sliding log grapple	Width: 2160mm Maximum enclosing circle: 1000mm	Maximum opening: 1755mm Applications: loading small logs
Grass grapple	Width: 3000mm Minimum enclosing circle: 1000mm	Maximum opening: 3010mm Applications: loading loose paper and grass
Snow blade	Width: 3500mm Oscillating angle: 6°	Thickness: 1000mm Height: 1050mm Deflection angle in working condition: 35°(left/right) Height of surmountable obstacle: 80mm
High dump bucket	Bucket capacity: 3.0m³	Bucket width: 3100mm Applications: loading materials with density≤1.65g/cm³
High dump bucket	Bucket capacity: 3.4m³	Bucket width: 3100mm Applications: loading materials with density≤1.35g/cm³
Side dump bucket	Bucket capacity: 1.8m³ Easily achieve change of left & right side dump.	Bucket width: 3000mm Applications: loading materials with density≤2.25g/cm³ Equipped with wear resistant main cutting edge, auxiliary cutting edge and seven bucket teeth.



The New Generation H-Series Loaders

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Safety

- H Optional ROPS/FOPS cab**
ROPS/FOPS cab protects the operator from getting injured during an accident.
ROPS: Roll Over Protection Structure
FOPS: Falling Object Protective Structure



Flame retardant materials

- H Flame retardant materials are used in the cab**
Flame retardant materials are used in the cab of the H-Series machines, to protect the operator's safety.



- H Safer cab design**
The entrance to the cab of the H-Series machines has been redesigned and improved, to make the cab bigger and getting into and out of the cab easier and, to protect the operator's safety.



H Safer design of cab glass

1. It absorbs noise, preventing engine noise, tire noise and wind noise from entering the vehicle, and being able to reduce noises within the 1000-4000HZ range, which is most uncomfortable to people's ears, by 5DB.
2. Protecting passengers: When broken, the side window's glass can still be an entire piece, preventing debris from injuring people, and also preventing wind, rain, dust or other things from entering the vehicle.
3. The cab uses green glass which adopts reflective coating process and improves glass composition to lower UV damage, and the heat insulation performance is greatly improved.

Reducing noises by **5DB**



- H**
- a. The rear axle uses a swing frame, to make the machine more stable, to accommodate uneven surfaces, and to offer bigger safety.
 - b. Neutral start protection for safer operation
 - c. The newly added rear working lamp eliminates blind zone when working in nighttime
 - d. Optional rear wipers provide better visibility.

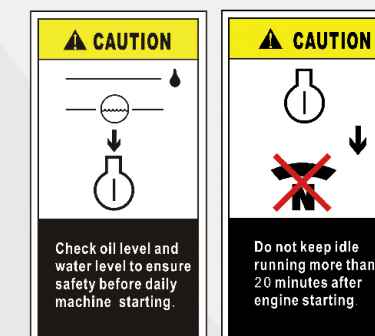
H Using the basin-shaped horn

The basin-shaped horn is used to replace the snail-shaped horn, and the horn is placed outside, to provide a louder and clearer alarm sound, to make the horn much more reliable and servicing much more convenient.



H Complete safety signs

XMore safety signs, operation alerts and load limit signs make the machine more user-friendly and safer; color codes are added to the dashboard, so that the operator can learn the machine's conditions more quickly.



The New Generation H-Series Loaders

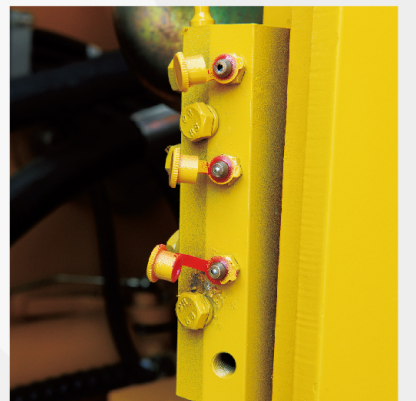
Improved performances, more efficient, more reliable, and more economic, maximizing value for customers

Convenient Maintenance

H The design of the filter's location is more convenient and reasonable

The fuel filter, the fuel pre-filter with the precipitation function and the engine oil filter are located in key areas, making it easier for routine inspection and repair. conditions more quickly.

- H** 1. Wide-opening hood for easier servicing & maintenance of engine
- 2. Optimized servicing marks
- 3. Nameplate is added to the work device
- 4. Centralized lubricating grease inlet for easier adding butter
- 5. The brake caliper is exposed to facilitate servicing
- 6. Central electrical control box for easier servicing
- 7. Particular toolbox design
- 8. Maintenance-free battery
- 9. Convertible fuel tank



The New Generation H-Series Loaders

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Comfortable Operation

H The models with adjustable directions (optional)

The models with adjustable directions can accommodate operators of various body types, to make them more comfortable.



H Electronic oil level indicator

All the models come with the electronic oil level indicator, so that the operator can know oil level in real time.



H Switches and controllers

All the switches and controllers are effectively distributed on the right and left consoles, to facilitate operation.



H The low-noise and shock-absorbing cab

With the increased tightness of the cab and the use of the acoustic absorber, the cab's noise level is dramatically reduced. Meanwhile, the shock-absorbing cab design of the H-Series makes operation safe, smooth and comfortable.



H Ergonomic design for more comfortable operation

The joystick control box makes operation more convenient and easier. The framework design realizes the switching between ROPS and non-ROPS by changing the dimensions of the column, increases the cab's operation space, and makes operation more comfortable.

H Cab with an extremely wide view

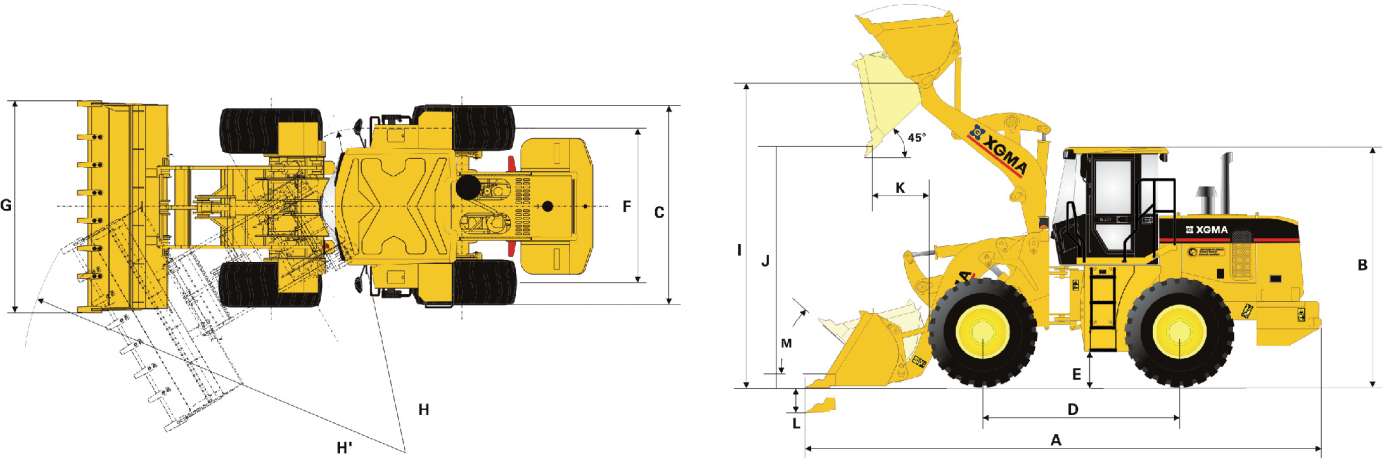
The front & back sides of the new H-series cab as well as the door adopt a large glass structure, which dramatically increases the cab's permeability and offers a wide field of vision. The green glass used can help to significantly protect against UV radiation, reduce the operator's visual fatigue, make operation more comfortable, and dramatically demonstrate the high energy efficiency of XGMA's machines.



The New Generation H-Series Loaders

Improved performances, more efficient, more reliable, and more economic, maximizing value for customers

The most complete lineup of 5-ton loaders in the industry across the globe



Model		XG953H	XG955H	XG956H	XG958H
Engine model		SC9D220G2B1	SC11CB220G2B1/ 6CTA8.3-C215	SC9D220G2	SC11CB220G2B1/ 6CTA8.3-C215
Rated power (kw)		162/160	162/160	162	162/160
Fuel consumption per hour(g/kw.h)		220/229	225/229	215	230/229
Rated speed (r/min)		2200	2200	2200	2200
Max torque(N.m)		880/908	844/908	920	844/908
Operating Weight (Tonnes)		16.8	17.2	17.4	17.4
Rated Load(Tonnes)		5	5	5	5
Bucket capacity (m³)		2.2~4.5	2.2~3.6	2.2~3.6	2.2~3.6
Lifting time/Lifting, dumping and lowering(s)		5.8/11	5.8/11	6/11	6/11
Max Breakout force(KN)		170	170	170	170
Max. turning angle(°)		±35°	±35°	±35°	±35°
Fuel tank (L)		220	220	340	340
Hydraulic tank (L)		260	295	305	305
Working pressure of steering hydraulic system(MPa)		15	15	15	15
Working pressure of load hydraulic system(MPa)		16	16	18	18
Travel speeds (km/h)	FORWARD 1ST	0~11.5	0~11.5	0~11.5	0~7
	FORWARD 2ND	0~38	0~38	0~38	0~12.5
	FORWARD 3RD	—	—	—	0~25.5
	FORWARD 4TH	—	—	—	0~38
	REVERSE 1ST	0~16	0~16	0~16	0~7
	REVERSE 2ND	—	—	—	0~12.5
	REVERSE 3RD	—	—	—	0~25.5
Gear Box		XG	XG	XG	ZF
Axle		XG	XG	XG	XG/ZF
Implement pump		209	209	175	175
Distibuting valve		DF32-D2	D32	SD32.2	KM300-2
Steering Hydraulic system		BZZ6-1000	BZZ6-1000	BZZ6-1000	BZZ6-1000
Steering pump		143	143	150	175
Tyre size		23.5-25-16PR	23.5-25-16PR	23.5-25-16PR	23.5-25-16PR

Model	Code	XG953H	XG955H	XG956H	XG958H
Overall length(mm)	A	7530	7710	8130	8130
Overall height(mm)	B	3410	3450	3450	3450
Overall width(mm)	C	2880	2880	2880	2880
Wheel base(mm)	D	2760	2880	3200	3200
Ground clearance(mm)	E	500	500	460	460
Tread(mm)	F	2240	2240	2240	2240
Bucket Width (mm)	G	3000	3000	3000	3000
Turn radius(mm)	H	5670	5775	6195	6195
Min.Turn radius outside of bucket (mm)	H'	6450	6650	7090	7090
Hinge pin height	I	4140	4120	4240	4240
Max. Dumping Height(mm)	J	3140	3215	3355	3355
Dumping Reach(mm)	K	1170	1185	1160	1160
Digging depth(mm)	L	165	80	60	60
Max.tilt back angle at carry position	M	49	47	47	47

Model	XG953H	XG955H	XG956H	XG958H
Air Conditioning/Anti-mist when idling	o	o	o	o
Heating	o	o	o	o
Radio/Cassette	o	o	o	o
Bucket and arm raiseing (limit height) Device	x	o	x	o
Hydraulic Operation system	x	o	x	o
Electricial Monitor and alarm system	o	o	o	o
Seat Buckle	o	o	o	o
Head lamp	o	o	o	o
Reversing Alarm (Back vehicle)	o	o	o	o

o: yes x: no