

886H ^{HST} Specifications >>>



OPERATING WEIGHT 25,516 KG

ENGINE

Manufacturer	Cummins
Model	L9
Rated power	322 HP (240 kW)
Displacement	8.9 L

BUCKETS

Standard bucket capacity	5 m ³
Bucket capacity range	3.5-8 m ³

TRANSMISSION

Make	LiuGong HST900 (Hydrostatic)
Type	Electric proportional valve automatic shifting
Number of speed	Forward 2 / Reverse 2
Forward speed F1/F2	12.5/38 km/h
Reverse R1/R2	12.5/38 km/h

AXLE

Make	LiuGong AWL800
Type	Wet Type

TIRE

Tire	26.5-25PR26
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BRAKE SYSTEM

Service brake	Full hydraulic wet brake
Parking brake	Caliper disc

HYDRAULIC SYSTEM

System	New closed-center fixed -variable dual-pump confluence
Pump type	Gear pump
Main relief pressure	28 Mpa
Cycle time	10.5s
Control	Electric fingertip control

STEERING SYSTEM

Steering type	Load sensing steering
Pump type	Piston pump
Steering relief pressure	21 Mpa
Steering system flow	120 LPM
Steering angle	38°

SERVICE CAPACITIES

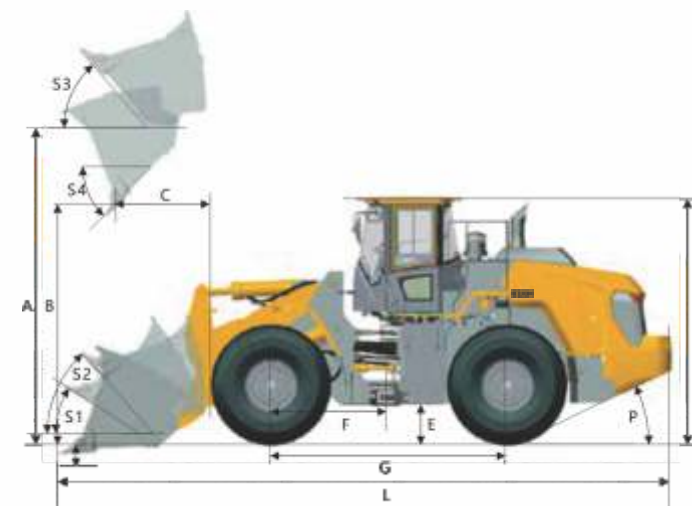
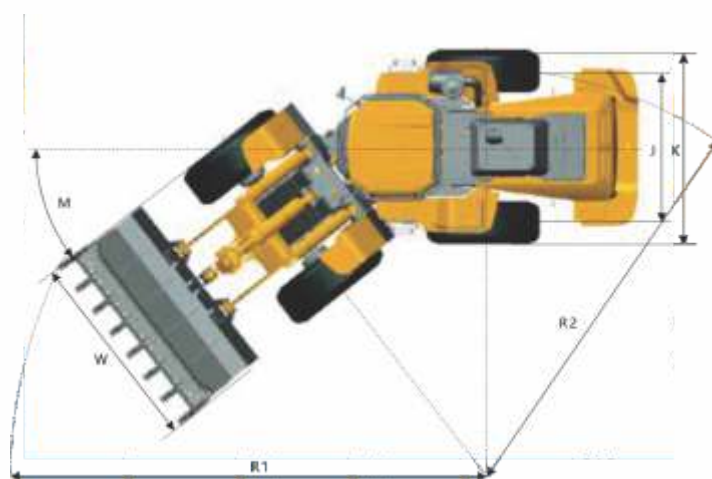
Diesel tank capacity	392 L
Hydraulic system	288 L
Engine oil volume	28 L
Coolant capacity	45 L
Axle	126 (63 each) L

CABIN

AC cabin	
Cabin guard	
LiuGong I-Link	
Rear view camera	

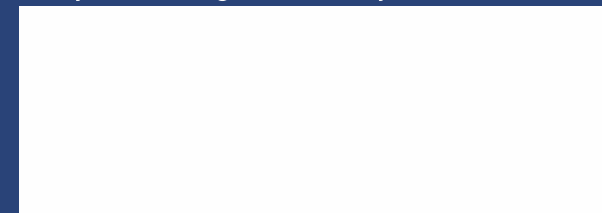
LOADER PERFORMANCE

Tipping load (straight)	20,378 kg
Tipping load (full turn)	17,560 kg
Bucket breakout force	240 kN
A-hinge pin height, fully raised	4,591 mm
B-dumping height, fully raised	3,342 mm
C-dumping reach, fully raised	1,275 mm
D-maximum digging depth	93 mm
E-minimum ground clearance	485 mm
F- front wheel center to hinge	1,775 mm
G-wheel base	3,550 mm
H-overall height	3,580 mm
J-tread width	2,380 mm
K-ttire outer width	3,055 mm
L-overall length	9,315 mm
M-steering angle	38° mm
W-overall width (outside of bucket)	3,188 mm
P-departure angle	26°
S1-bucket rollback at ground level	45°
S2-bucket rollback at carry	49°
S3-bucket roll back at maximum	61°
S4-maximum dump angle at full height	45°
R1-turning radius (outside of bucket)	7,480 mm
R2-turning radius (tire center)	6,285 mm
Minimum turning radius (outside front wheels)	6,623 mm
Rear axle swing angle	±12°



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Engine	Cummins
Rated Power	322hp (240 kW)
Operating Weight	25,516 kg
Payload Capacity	8,000 kg
Bucket Range	3.5-8 m ³

886H ^{HST}
WHEEL LOADER

TOUGH WORLD. TOUGH EQUIPMENT.

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Five core advantages

- 1  **Technology leadership**
- 2  **High efficiency & low consumption**
- 3  **Reliable and durable**
- 4  **Human design**
- 5  **Easy maintenance**



01 Technology leadership

Hydrostatic drive travel system

- The traditional hydraulic torque converter is eliminated, which solves the problem of low efficiency of the torque converter model in the low-speed section, so that the transmission efficiency is higher and the fuel consumption of the whole machine is reduced.
- The hydrostatic drive is also capable of starting at very low engine speeds. Unleash the full traction force, and can adjust the traction performance according to different working conditions stepless adjustment, real-time optimization of operations, energy saving and high efficiency.
- The difference between hydrostatic transmission and conventional is that torque converter gets eliminated and replaced by hydraulic pump, hydraulic motor and a simple gearbox.



Intelligent deceleration braking system

Intelligent deceleration braking system with power distribution

- When loading near the truck, it is hoped that the boom will be raised quickly and the speed of the vehicle will be slower. The system allows for both gas and brake, engine speed and hydraulic efficiency does not decrease. At this time, the speed of retracting the bucket and raising the boom is fast, and the speed of the vehicle is reduced.
- Most of the deceleration needs are in non-emergency braking and non-steep slope conditions which can only be achieved by decelerating by controlling the walking hydraulic system without the need for wheel friction in order to move. Thereby reducing braking frequency, reducing braking power consumption, more power is provided to working hydraulic system to improve efficiency and reduce fuel consumption.
- When working on slopes, the vehicle speed is controllable, the traction force does not drop, power does not cut off and axle brakes are not involved which leads to high working efficiency and comfortable operation.



Fully upgraded performance

- The pressure of the working hydraulic system has been upgraded, and the load capacity of the whole machine has been greatly improved.
- The three key performance parameters i.e lifting force of the boom, breakout force of the bucket, breakout force of the boom has been fully upgraded.
- The loading capacity is stronger, and the shoveling of materials is more powerful. When the boom is on the ground, the digging capacity is improved, which is suitable for stacking conditions.
- Optimizing the design of the structural parts of the whole machine, the tilting ability of the whole machine can be maximized, the heavy load capacity is strong, and it is not easy to lift the tail. It provides greater effective load capacity for loose materials, sand and gravel aggregates.



02 High efficiency & low consumption

Electronically controlled variable intelligent fan

- The system hydraulic motor drives the fan, temperature-controlled variable system, no overflow loss, and the energy saving fan speed will be automatically adjusted according to heat dissipation, low energy consumption and low noise.



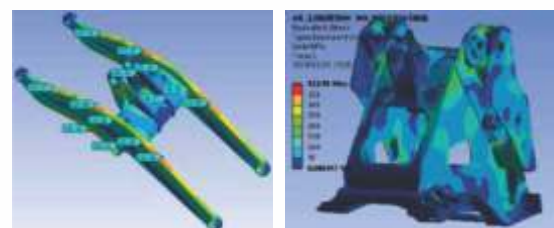
Patented energy-saving and high-efficiency technology

- The new closed center fixed variable hydraulic system, the unique separation control system of the boom and the bucket, the breakout force of the boom and the lifting capacity of the boom can reach the capacity of a 9-ton machine, and the work efficiency is higher, the driver can easily realize the bucket rotation, lifting arm compound action, high operating efficiency, reducing ineffective main valve neutral pressure loss, and low energy loss.

03 Reliable and durable

Inherited liugong's excellent design

- Sturdy and reliable frame structure, Liugong's mature and reliable large scale loader structure platform design of the front and rear frames and boom devices are strengthened and upgraded, and the finite element optimization design is applied, which has strong overload resistance and can with stand the excavation and loading process. The impact of the hinged bearing connecting the front and rear frames adopts double-row tapered roller bearings, which have a strong bearing capacity.



Excellent core components

- Cummins L9 engine & post-processor** realize the freedom of emission restrictions in advance, are efficient and reliable, and can easily cope with various harsh working conditions such as alpine, plateau, and tunnels.
- Liugong HST900 hydrostatic transmission** fixed shaft automatic gear shifting, without torque converter, overrunning clutch, independent heat dissipation system, simple and reliable structure.
- Industry-advanced hydrostatic oil pump and motor hydraulic parts, mature technology, multi-industry application, reliable quality.**
- Liugong's heavy-duty AWL800 wet axle** is specially designed for heavy-duty working conditions, and the transmission parts and axle housing structure are strengthened to win a variety of extreme working conditions.



04 Human design



Humanized operating environment is safe & comfortable

- Unobstructed view**-panoramic cab windows increase visibility, large convex side mirrors further enhance side and rear visibility.
- Comfortable and low noise**-hydrostatic transmission reduces the noise of the transmission system, significantly reducing low machine noise, combined with a well-sealed cab, provide operators with provides a quieter working environment.
- Better driving control**-infinitely variable speed, walking operation is like driving a car the transmission car significantly improves the driving comfort.
- Self-adjusting console**-seat-mounted right-handle-operated console the table can move along with the adjustment of the seat, and can be front and rear, left and right, up and down six degrees of freedom adjustment, so that the operator's arm is always kept in the most comfortable position suitable location;
- The driver's cab is fully equipped with humanized facilities**-equipped with heating and cooling air-conditioning, with a USB port entertainment radio, sun shades, storage boxes, ashtrays, water cup holder, etc., high driving comfort.

Fully LCD digital display

Adopts full liquid crystal display front main instrument, clear and eye-catching, night observation is clearer, human-computer interaction is more friendly, and it is more humanized.



The rear view monitoring

System provides a rear view instrument monitoring auxiliary system, an infrared camera, and a liquid crystal display to display the image behind the machine in real time, providing a safer operating environment.



Control in the operator's hands

We believe in making life easy for the operator which is why we've positioned the kick-down and forward/reverse buttons on the joystick. The kick-down function gives the operator finger-tip control enabling him to lower the gear, increase engine torque and maximize bucket breakout force with the minimum of effort.



Adjustable steering column

Steering column can be adjusted back and forth, up and down, adapting to operators of different sizes, and providing operators with a larger and more suitable space.



05 Easy maintenance

Easy maintenance and lower operating costs

- The front-opening hood and the fan can be rotated to open and allow the engine compartment to be easily maintained. The air filter is external, and can be cleaned and replaced outside the hydrostatic travel system. The system consists of a hydraulic pump, a hydraulic motor, and a gearbox with a simple structure. The hydraulic torque converter and multi-speed gearbox have been replaced and the maintenance and repair of the whole machine have been simplified. It is safer to maintain handrails around the cab and the standing platform. In addition, the optional automatic lubrication system provides comprehensive monitoring of the lubrication system and provides diagnostic test visibility.

