

## HL 812A

### HELI Crawler Skid Steer Loader

Enhanced Terrain Adaptability / Higher Traction and Stability / Reduced Ground Damage

#### Enhanced Terrain Adaptability

- **Superior Performance on Soft/Complex Ground:**  
The track design increases the ground contact area, significantly reducing ground pressure (pressure per unit area). This prevents sinking or slipping in muddy, sandy, snowy, wetland, or rugged terrains, making it ideal for complex environments like agriculture, forestry, and mining.
- **Improved Crossing Capability:**  
Tracks enable better traversal over obstacles (e.g., ditches, gravel piles), reduce vibration, and enhance operational stability.



#### Higher Traction and Stability

- **Traction Advantage:**  
The larger ground contact area of tracks provides stronger friction, making them suitable for high-thrust operations such as excavation, bulldozing, and heavy-load handling.
- **Lower Center of Gravity:**  
The tracked chassis design typically lowers the center of gravity, reducing the risk of tipping over when working on slopes or uneven terrain.

#### Operational Efficiency and Versatility

- **Continuous Operation Capability:**  
No need for frequent adjustments or recovery on soft ground, minimizing downtime.
- **Compatibility with Multiple Attachments:**  
Like wheeled models, tracked loaders can be equipped with buckets, hydraulic hammers, sweepers, and other attachments to handle diverse tasks.

#### Reduced Ground Damage

- **Protection for Sensitive Surfaces:**  
Tracks distribute pressure evenly, minimizing indentations or damage to lawns, paved roads, or temporary worksites. This makes them ideal for landscaping projects or indoor operations (e.g., warehouses, event venues).

#### Durability and Maintenance Costs

- **Resistance to Harsh Environments:**  
Tracks offer superior wear resistance compared to tires, reducing damage in rocky or sharp debris environments and lowering the risk of tire blowouts.
- **Long-Term Cost Efficiency:**  
While tracks have higher initial costs, they may prove more economical in demanding conditions by avoiding frequent tire replacements.

## Reliability

- Imported dual pumps, motors, and chains ensure high reliability of core components.
- Adopting parallel radiators, the rear layout has good heat dissipation effect, reliable hydraulic system, and long service life. Adopting an integral frame for better strength.
- High safety standard roll over prevention (ROPS) and falling object prevention (FOPS) cab.

## Performance

- Adopting a dual pump and engine direct connection method to ensure advanced and efficient transmission output.
- Smaller overall width and height, suitable for working in narrow spaces.

## Comfortable

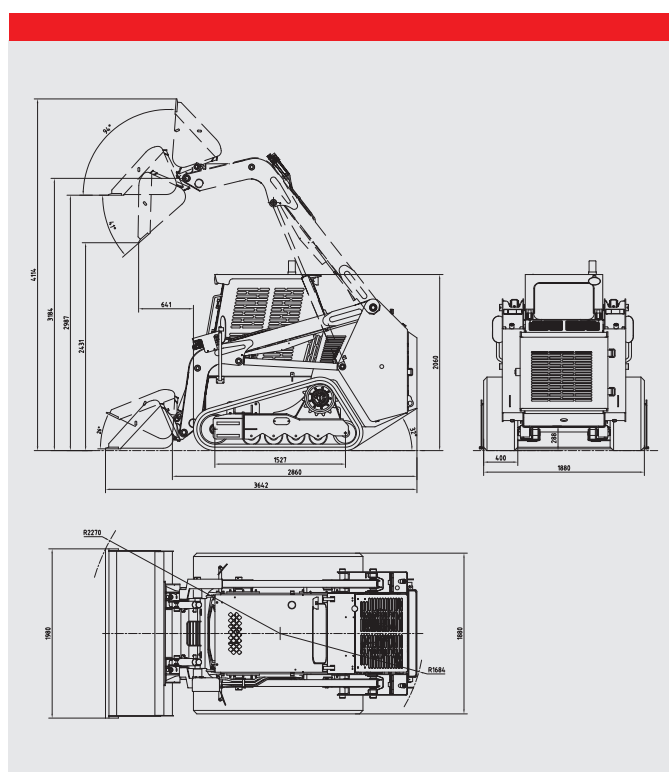
- Adopting hand foot linkage throttle, the hand throttle is a fixed throttle used in constant high-power output situations such as crushing hammers and milling machines. The foot throttle is used in shovel loading situations for smooth driving.
- Adopting a simple and fast quick replacement device, it is convenient to replace various attachments.
- The control methods of the work system and walking system are accord with world operating habits.

## Maintenance

- The chain box is arranged on both sides, making it convenient to adjust the chain and easy to maintenance.
- The cab can be flipped up or forward, saving time and effort in maintenance.

Technical Specification		HL812A
1	Operating Load	kg 1200
2	Engine Model	Quanchai 4C6-88C33
3	Emission	China Stage III
4	Rated Power	KW 65
5	Rotating Speed	rpm 2200
6	Max.Speed (1st gear/2nd gear)	km/h 9/15
7	Max.Loading	kg 3428
8	Lifting Type	Radial
9	Total Cycling Time	s 9
10	Bucket Capacity	m3 0.55
11	Pressure of Working System	bar 235
12	Rated Flux	L/min 74
13	High Flow Flux	L/min 140
14	Fuel Tank Capacity	L 125
15	Self-weight With Bucket	kg 4400
Dimensions		HL812A
A	Overall Operating Height	mm 4114
B	Height To Bucket Hinge Pin	mm 3184
C	Height To Top of Cab	mm 2065
D	Height To Bottom of Level Bucket	mm 2985
E	Overall Length Without Bucket	mm 2860
F	Overall Length With Bucket	mm 3642
G	Dumping Height	mm 2431
H	Dumping Reach	mm 641
I	Unloading Angle at Max. height	° 41
J	Rollback of Bucket On Ground	° 26
K	Ground Clearance	mm 288
L	Angle of Departure	° 32
M	Front Turning Radius	mm 2270
N	Rear Turning Radius	mm 1684
O	Width	mm 1880
P	Bucket Width	mm 1980
Q	Track Grounding Length	mm 1527
R	Track Center Distance	mm 1480
S	Track Plate Width	mm 400

Optional Configuration	
Optional Engine	Quaichai 4C6(65KW)
Optional Air Filter	Donaldson 3-stage Air Filter
Optional Air-conditioner	Cool Air-conditioner, Heater,Cooland Heat Air-conditioner
Optional Fuel System	Antifreezing Fuel System for Cold Region



## Operation Type

HL812A's left handle controls the walk of the machine, and the right handle controls the working arm and the bucket, and the switch controls the attachment function. HL812A's model has a large flow rate and is suitable for work scenarios such as planing and milling.

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