SPECIFICATIONS

Parameter Details (mm)	
Overall machine size (mm)	2870*1100*2200
Operating weight (kg)	1600
Track ground length (mm)	1350
Track width (mm)	200
Performance parameter (mm)	
Maximum digging depth (mm)	1900
Maximum unloading height(mm)	2000
Maximum excavation height (mm)	2600
Maximum Digging Radius （mm）	2900
Gradeability	30°
Walking speed (kmyh)	0-3
Bucket digging force (kn)	16
Dozer Height (mm)	300
Bucket capacity (m°)	0.03
Engine	
Engine type	B & S/koop192F/Kubota D722/Laidong385
Engine Cylinders	Single/Single/Triple/Triple
Horsepower （HP）	13.5/11/15/25
Fuel Type	Gasoline/Diesel/Diesel/Diesel

CARTIWELL

SHANDONG CARTI MACHINERY CO., LTD

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Note: ue to technological upgrades, the actual product maybediferent from what is shown. Diagrams, photos, and infor-mationare for reference only

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For maximum performance durability and safety

HONESTY CREATES THE FUTURE
QUALITY CREATES BRILLIANCE

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CARTIWELL ALL TERRAIN EXCAVATORS

CW-16S

The powerful digging force of CARTIWELL CW-16S excavator helps you improve the working efficiency.



STRUCTURAL COMPONENT GRAPHIC ANALYSIS

The design of internal parts of mini excavators is also built around the three core advantages of "high efficiency, portability and durability"

► Stable property

The special hydraulic pump is accurately matched with the power of the engine. In continuous operations such as digging and crushing, the pressure of the hydraulic system is stable, and the lifting and rotating actions of the bucket are smooth, and the working efficiency is not inferior to other equipment of the same tonnage.

► Convenient maintenance

The positions of hydraulic oil filter element and hydraulic oil tank are designed reasonably, and replacing filter element and filling hydraulic oil can be completed by one person without professional tools.



Maintenance entrance

The upturned rear cover (with hydraulic support rod) can completely expose the power cabin after opening, and no additional tools are needed for routine inspection and maintenance (such as oil change and filter element cleaning), which reduces the maintenance difficulty.





► Powerful engine

CW-16S provides more power and reliability for your work. In addition to its excellent horsepower and performance, it supports the optional LAIDONG 385, KOOP 192, KUBOTA D722 engines, and has excellent fuel efficiency, which meets the US EPA and European EURO5 standards.

► Efficient cooling hole

The heat dissipation hole of excavator can quickly discharge the high-temperature heat generated by the core components such as engine and hydraulic system, so as to maintain the stable running temperature of the whole machine and avoid the damage of components due to overheating.





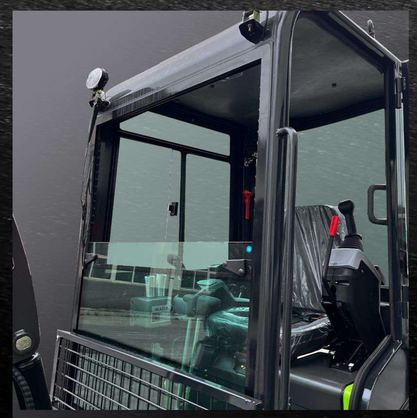
Accessories

Support the quick replacement of various accessories such as bucket, hydraulic scissors and wood grabbing, and realize diversified functions such as digging, crushing, handling and cleaning.



Crawler track

Rubber track has good stability and strong grip, and is suitable for all kinds of harsh environment and terrain.



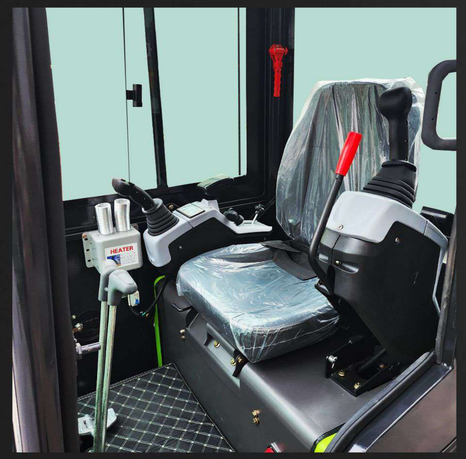
cab

Support customization of fully enclosed cab to enhance safety protection.

CARTIWELL

DRIVING FUNCTION OF CW-16S

This 1.6-ton mini excavator provides unparalleled mobility, operator comfort and efficiency for confined space projects.



The enclosed cab is equipped with a safety net in front. It is easy to learn by shaking two joysticks, and the seat is adjustable, which effectively reduces the operation fatigue and makes the work dashboard clear at a glance. The overall design fully meets the requirements of narrow working conditions, achieving a balance of efficiency, safety and comfort.



hydraulic pressure system

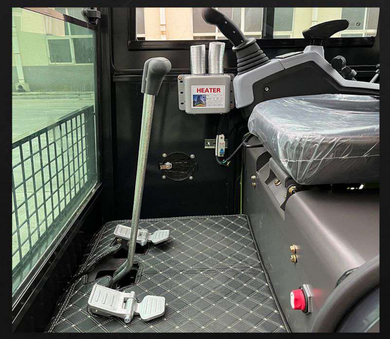
The hydraulic system is equipped with load-sensitive control technology, which can automatically adjust the flow of hydraulic oil according to the working load. In the non-working state, the hydraulic pump is in a low-power operation mode, effectively reducing the

Customized service

From appearance (color, logo) to function (accessory adaptation, operation mode), it can be customized as required.

Driving area

The placing area is large, and the foot posture can be adjusted more freely during operation, thus avoiding fatigue caused by long-term fixed action, reducing the probability of accidentally touching the pedal during operation and improving the safety and comfort of operation.





Hydraulic cut-off valve is used to adjust oil flow to maintain system pressure stability.



The suspender can swing left and right,so as to easily cope with the narrow space.



The side swing design of the movable arm eliminates the need for frequent displacement of the fuselage.