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CARTIWELL

CARTIWELL ZERO TAIL SWING COMPACT EXCAVATOR

CW-35S

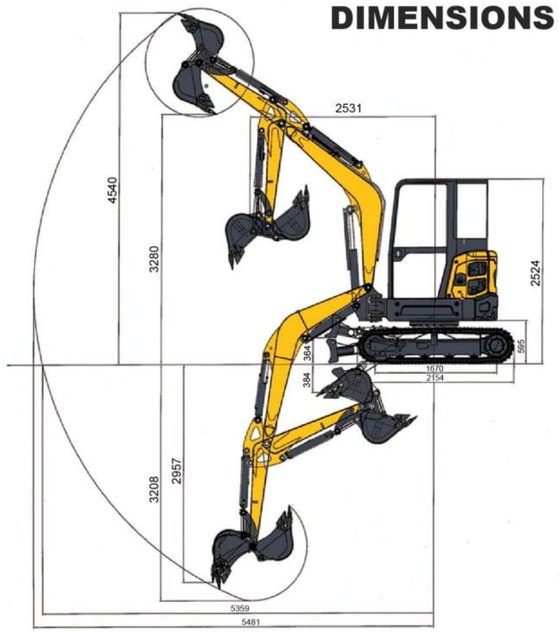
CARTIWELL CW-35S zero tail swing small excavator can provide you with professional performance while greatly improving work efficiency.

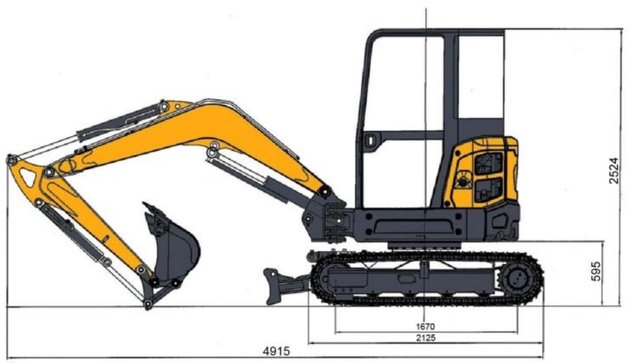
SPECIFICATIONS	
Operation Weight	8377 lbs / 3.8 ton
Digging Bucket Capacity	4.24 cubic FT/0.12m³
Engine	KUBOTA D1703
Rated Power	18.2 KW(25HP)2200 rpm
Displacement	1.65 L
Max. Bucket Digging Force	6676 lbs (30KN)
Max. Arm Digging Force	4046 lbs (18KN)
Max. Grade Ability	30°
Fuel Capacity	11.6 gals/44 L
Operating Pressure	3263 PSI (22.5 Mpa)
Hydraulic Flow Rate	28.5 GPM (108L/min)
Hydraulic Oil Capacity	10.6 gals/40 L
Swing Motor	Aidi
Swing Speed	0-11RPM
Traveling Motor	Likechuan
Travel Speed (Low/High)	2.4/4.4 KM/H
Boom Swing Angel(L/R)	50°/55°

MAIN DIMENSIONS	
Wheelbase	1670 mm/5'6"
Total Length of Track	1420 mm/4'8"
Platform Ground Clearance	595 mm/2'
Platform Back Turning Radius	2154 mm/7'1"
Chassis Width	1550 mm/5'1"
Track Width	300 mm/11.8"
Track Height	460 mm/1'6"
Transport Length	4915 mm/16'1.5"
Seat to Floor Height	1451 mm/4'9"
Overall Height	2524 mm/8'3"

OPERATING RANGE	
Max. Digging Radius on Ground	5359 mm/17'7"
Max. Digging Radius	5481 mm/18'
Max. Digging Depth	3208 mm/10'6"
Max. Digging Height	4800 mm/15'9"
Max. Unloading Height	3406 mm/11'2"
Max. Vertical Digging Depth	2957 mm/9'9"
Min. Swing Radius	2531 mm/8'4"
Max. Lifting Height of Dozer Blade	364 mm/1'2"
Max. Digging Depth of Dozer Blade	384 mm/1'3"

DIMENSIONS





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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.

MANTENANCE & SAFY

With the cw-35s, operators can work with confidence knowing they areprotected on both the open station or optional encloseccab. Furthermore, the engine compartment is ergonomically organizedwith easy access to the radiator and engine oil cooler to make routinemaintenance andinspections a breeze.

KUBOTA D1703 three-cylinder water-cooled engine

We upgraded the engine. As a resultthe CW-35S delivers the more power andreliability you need for your work. The engine power is matched with theabilities of the hydraulic system to maximize diggingand lifting performance. Operators also benefit from theminimal noise and vibration.

Excavator side guard

When some parts fail or need maintenance, opening the back cover can easily approach and solve the problem without disassembling the whole excavator.

A. Engine exhaust pipe

B. Hydraulic oil cooler

C. Hydraulic oil tank

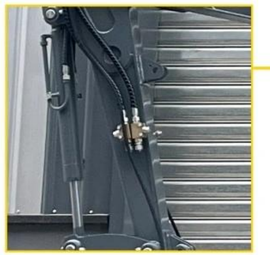
D. Load-sensitive multi-way valve

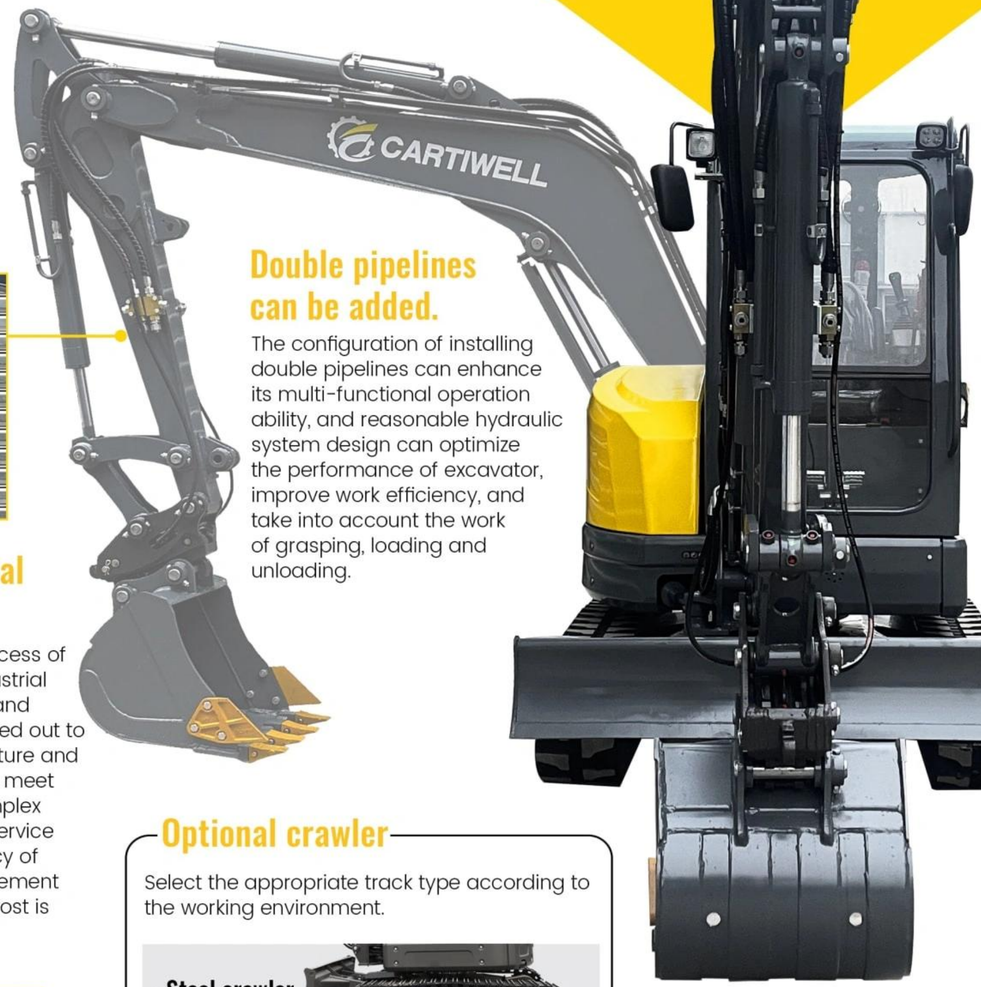
High-strength excavating arm

Made of high-strength steel, it has enough rigidity and strength to ensure the stability and work efficiency of the excavator. Its cross-sectional shape and wall thickness design have also been accurately calculated and optimized to minimize stress and deformation.

Protected cylinder hoses

The cylinder hoses for arm andbucket are located inside the boomto protect the hoses from any type ofdamage





Double pipelines can be added.

The configuration of installing double pipelines can enhance its multi-functional operation ability, and reasonable hydraulic system design can optimize the performance of excavator, improve work efficiency, and take into account the work of grasping, loading and unloading.

Precision industrial welding

In the manufacturing process of the CW-35S, precise industrial welding, heat treatment and other processes are carried out to ensure its compact structure and firm connection, and can meet the needs of various complex working conditions. The service life is longer, the frequency of maintenance and replacement is reduced, and the use cost is reduced.

Optional crawler

Select the appropriate track type according to the working environment.

- **Steel crawler**

- **Rubber track**

SUPERIOR PERFORNANCE

The CW-35S gets the job done where larger excavators can't maneuver.Powerful breakout forces combined with the ability to simultaneously operatethe pilot controlled hydraulic functions make the work day more productive.

hydraulic pressure system

The hydraulic transmission system has thecharacteristic of high transmission efficiency, which canfully utilize the power of the engine.

Powerful breakout force

The cw-35s delivers an impressive bucket breakout force. The powerful and well-balanced arm and bucketdesign allows the operator to dig faster, deeper (3208 mm/10'6) and more efficient even in the toughest conditionsThe working range for reach and dig depth are excellent thatoperators will appreciate in terms of daily productivity.

One-piece castingswing arm root

The hub of the swing arm root used in 35S is integrally cast, and there is no welding trace, which greatly improves the efficiency and service life.

360°Direction rotation

The hydraulic system provides power through the hydraulic motor to drive the gear or gear ring in the slewing bearing, thus rotating the upper structure of the excavator. This design enables CW-35S to flexibly adjust its working direction and operate in different areas without moving the whole fuselage.

Simultaneous operation

Many jobs require the simultaneous operation of the boom,arm, bucket, and swivel for efficient operations. the variable displacement pumps that distribute a correctamount of oil flow to each function according to the joysticklever stroke. The ability of simultaneous operation enablescontinuous high production while performing multiplefunctions.

Bidirectional hydraulic motor

The double motor has high power density and torque output capacity, which enables the 35S to maintain stable performance in the face of heavy load or complex working conditions. In addition, the output power and direction control of the excavator can be optimized by accurately controlling the flow and pressure, and the overall performance of the excavator can be further improved.