

HUNDAL



BUILT TO WORK.

BUILT TO LAST.



**HUNDAL
IRONCLAD
4T**



CORE - KUBOTA D1703

Upgraded Kubota D1703 Engine

Powered by an upgraded Kubota D1703 three-cylinder, water-cooled diesel engine, the Hundal Ironclad 4T delivers enhanced power and long-term reliability for demanding job sites. The engine is precisely matched with the hydraulic system to maximize digging force and lifting efficiency, ensuring smooth and responsive operation under load. Low noise levels and reduced vibration improve operator comfort during extended working hours while maintaining consistent performance.

ADVANTAGES

- ❑ Kubota D1703 three-cylinder water-cooled engine
- ❑ One-piece casting swing arm root
- ❑ Hidden dual motors
- ❑ High and low speed travel
- ❑ Cabin + hidden air conditioner + radio
- ❑ Hydraulic cylinder metal protection plate
- ❑ Dual pipeline design adapts to all hydraulic auxiliary tools
- ❑ Actual weight 3800KG+
- ❑ Mechanical welding structure
- ❑ Pickling and phosphating process

SPECIFICATIONS

Operation Weight	8377 lbs / 3.8 ton
Digging Bucket Capacity	4.24 cubic FT/0.12m ³
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"

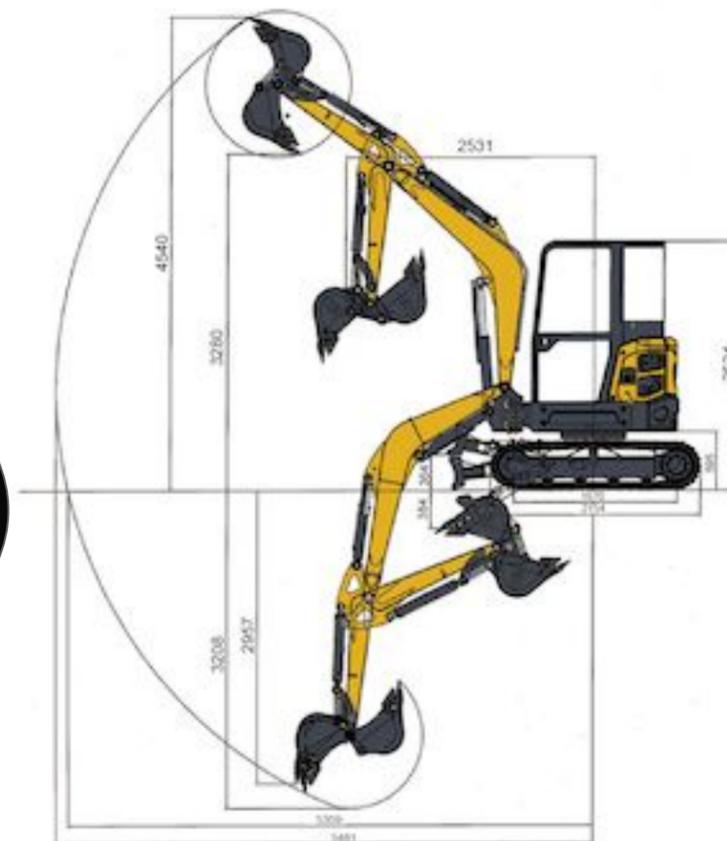
OPERATING RANGE

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"



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FEATURES

HYDRAULIC PRESSURE SYSTEM

The Hydraulic transmission system has the characteristics of high transmission efficiency, which can fully utilize the power of the engine.



SIMULTANEOUS OPERATIONS

Designed for efficient, real-world job sites, the Hundal Ironclad 4T supports simultaneous operation of the boom, arm, bucket, and swing functions. Variable-displacement hydraulic pumps precisely distribute the correct oil flow to each function based on joystick input, ensuring smooth, coordinated movement. This capability allows continuous, high-productivity operation, reducing cycle times and improving overall work efficiency.

ONE - PIECE CAST SWING ARM ROOT

The swing arm root features a one-piece integral casting with no welding seams, delivering superior structural strength and durability. This design enhances load resistance, reduces stress concentration, and improves long-term reliability during heavy-duty excavation and continuous operation.

EXCEPTIONAL DIGGING PERFORMANCE

The Hundal Ironclad 4T delivers an impressive bucket breakout force, enabling fast, confident excavation in demanding conditions. Its well-balanced arm and bucket design allow operators to dig faster, deeper—up to 3,208 mm (10 ft 6 in)—and with greater efficiency, even in tough ground. The optimized working range for reach and dig depth enhances daily productivity, making repetitive and heavy-duty tasks easier and more efficient for operators.



360 DEG SLEWING ROTATION

The hydraulic system delivers power through a dedicated hydraulic motor that drives the gear and slewing bearing, enabling smooth 360° rotation of the upper structure. This design allows the Hundal Ironclad 4T to quickly and precisely adjust its working direction, ensuring flexible operation across confined spaces and varied job-site conditions while maintaining stability and control.

BIDIRECTIONAL HYDRAULIC MOTOR

The bidirectional hydraulic motor delivers high power density and strong torque output, allowing the Hundal Ironclad 4T to maintain stable, consistent performance under heavy loads and complex working conditions. Precise control of hydraulic flow and pressure enables optimized power output and smooth directional control, enhancing overall machine efficiency, responsiveness, and reliability during demanding operations.





HIGH STRENGTH EXCAVATING ARM

Constructed from high-strength steel, the structure provides the rigidity and durability required to ensure excavator stability and consistent working efficiency. The cross-sectional profile and wall thickness are precisely engineered and optimized to minimize stress concentration and deformation, enhancing structural integrity and long-term performance under demanding operating conditions.

PROTECTED CYLINDER HOSES

The hydraulic cylinder hoses for the arm and bucket are routed internally within the boom, protecting them from external damage, debris, and abrasion. This design improves durability, reduces maintenance risk, and ensures reliable hydraulic performance in harsh working environments.



OPTIONAL DUAL HYDRAULIC PIPELINES

An optional dual hydraulic pipeline configuration enhances multi-functional operating capability. The optimized hydraulic system design improves overall excavator performance and work efficiency while supporting simultaneous tasks such as grasping, loading, and unloading with smooth, controlled operation.



PRECISION INDUSTRIAL WELDING

The Hundal Ironclad 4T is manufactured using precision industrial welding, heat treatment, and controlled fabrication processes to ensure a compact structure and strong, reliable joints. This construction meets the demands of complex working conditions while enhancing structural integrity. The result is extended service life, reduced maintenance and replacement frequency, and lower overall operating costs.



Select the appropriate track type according to the working environment.

• Steel crawler



• Rubber track

