HUNDAL

HEAVY INDUSTRIES

BUILT TO WORK.

BUILT TO LAST.

HUNDAL DIAGRO 27

C O R E - KUBOTA D1105

Upgraded Kubota D1105 Engine

The Hundal DIAGRO 27 excavator is engineered using modern global standards to deliver strong performance and high value for earthwork operations. Equipped with a Kubota D1105 engine, it produces 14 KW rpm equivalent to 19HP.

Its imported, high-reliability engine is precisely integrated with the hydraulic system for efficient digging, lifting, and smooth load response. Designed for versatility, the Hundal 27 supports multiple attachments—including augers and breakers—allowing it to adapt to varied operational requirements while maintaining consistent, dependable performance.

ADVANTAGES

- ❏ Producing 14 Kilo Newton rpm equivalent to 19 horsepower.
- ❏ Built for compact spaces and excavation operations
- ❏ Comes with a fully enclosed Cab, to keep the harsh environments at bay.
- ❏ Can extend its orbit - when working in a narrow space, the excavator can expand the working range by adjusting the track direction without changing the overall position.
- ❏ Has Hydraulic Stop Valve.
- ❏ Hydraulic system precisely matched with engine output for maximum digging force
- ❏ Has two variable displacement pumps that lets you perform simultaneous operations such as operate the boom, arm or bucket while rotating the excavator.

Operation Weight	5940 lbs/2.7 ton
Digging Bucket Capacity	3.53 cubic FT/0.1m3
Engine	KUBOTA D1105
Rated Power	14 KW (19HP) 2000 rpm
Displacement	1.12L
Max.Bucket Digging Force	5283 lbs (23.5KN)
Max.Arm Digging Force	3147.3lbs (14KN)
Max.Grade Ability	30°
Fuel Capacity	6.1 gals /23 L
Operating Pressure	2973.3PSI (20.5Mpa)
Hydraulic Flow Rate	26.27 GPM(61.6 L/min)
Hydraulic Oil Capacity	6.34 gals / 24 L
Swing Motor	Danfuss
Swing Speed	0-10RPM
Traveling Motor	Likechuan
Travel Speed (Low/High)	2.6/4.5Km/H
Boom Swing Angel(L/R)	50°/55°

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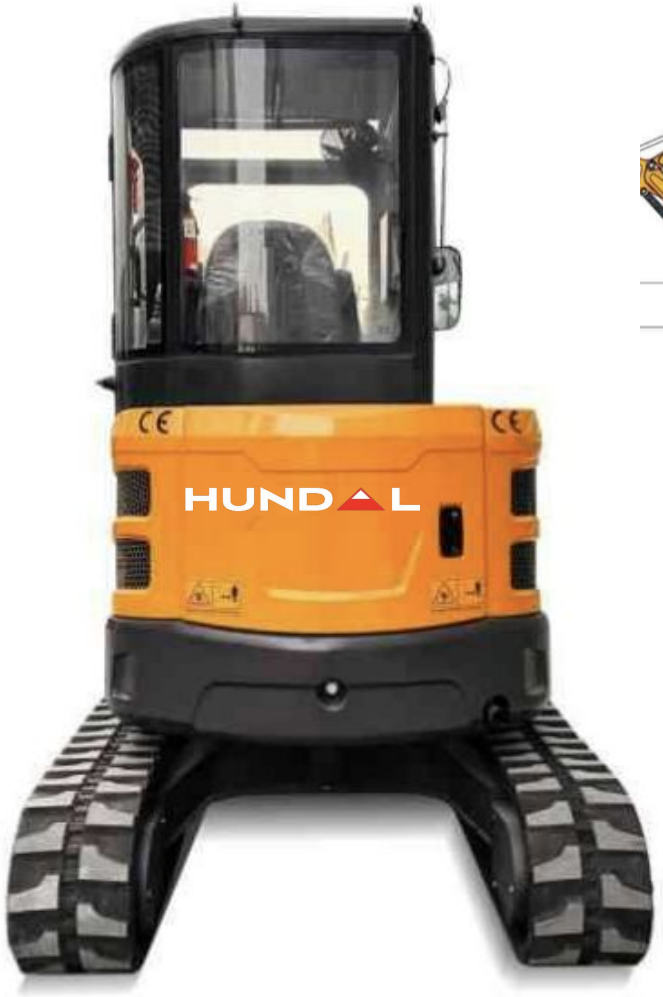
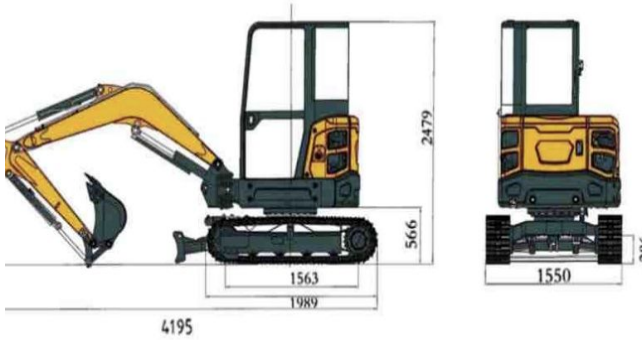
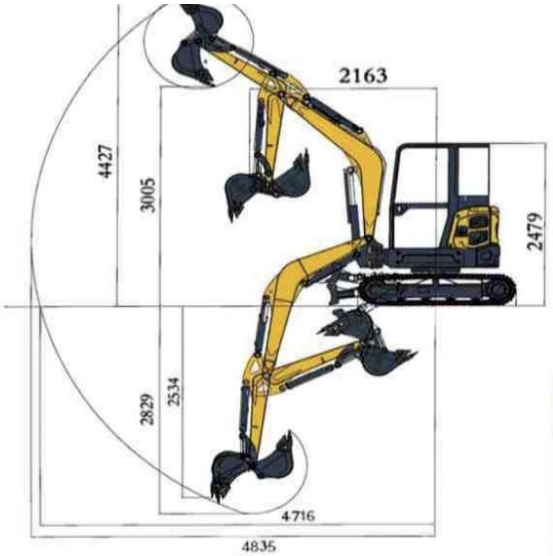
Wheelbase	1150mm/3'9"
Total Length of Track	1250 mm/4'1"
Platform Ground Clearance	566 mm/1'10"
Platform Back Turning Radius	980 mm/3'3"
Chassis Width	1550 mm/5'1"
Track Width	230 mm/9"
Track Height	400 mm/1'4"
Transport Length	4195mm/13'9"
Seat to Floor Height	1441 mm/4'9"
Overall Height	2480 mm/7'2"
Max. Digging Radius on Ground	4716 mm/15'6"
Max. Digging Radius	4835 mm/15'10"
Max. Digging Depth	2830 mm/9'3"
Max. Digging Height	4427 mm/14'6"
Max. Unloading Height	3005 mm/9'10"
Max. Vertical Digging Depth	2500 mm/8'2"
Min. Swing Radius	2160 mm/7'1"
Max. Lifting Height of Dozer Blade	308 mm/1'
Max. Digging Depth of Dozer Blade	360 mm/1'2"







FEATURES

HYDRAULIC PRESSURE SYSTEM

The Hundal Diagro 27 operates with a high-efficiency hydraulic pressure system designed to deliver stable oil flow and consistent force during operation. Precisely regulated system pressure ensures smooth control of the boom, arm, and bucket while maintaining strong digging performance. The balanced hydraulic circuit supports simultaneous multi-function movements, improving overall efficiency and responsiveness on demanding job sites.

EXCEPTIONAL DIGGING PERFORMANCE

The Hundal Diagro 27 is engineered to deliver strong and consistent digging power in demanding environments. Its balanced hydraulic system and optimized arm geometry work together to maximize breakout force and bucket penetration. Smooth multi-function operation allows operators to dig, lift, and swing simultaneously without loss of efficiency, ensuring high productivity across construction, landscaping, and utility applications.

360 DEG SLEWING ROTATION

The Hundal Diagro 27 features smooth and stable 360° slewing capability, allowing continuous rotation without repositioning the undercarriage. Its precisely controlled swing motor delivers consistent rotational speed and accurate positioning, improving efficiency during loading, trenching, and material placement. The balanced upper structure enhances stability while rotating, ensuring safe and controlled operation in confined or dynamic job sites.

SERVO CONTROL SYSTEM

The Hundal Diagro 27 is equipped with a responsive servo control system that enhances precision and operator control. By accurately regulating hydraulic flow based on joystick input, the system delivers smooth, proportional movements of the boom, arm, and bucket. This results in reduced operator fatigue, improved handling accuracy, and more efficient performance during detailed or high-intensity excavation tasks.

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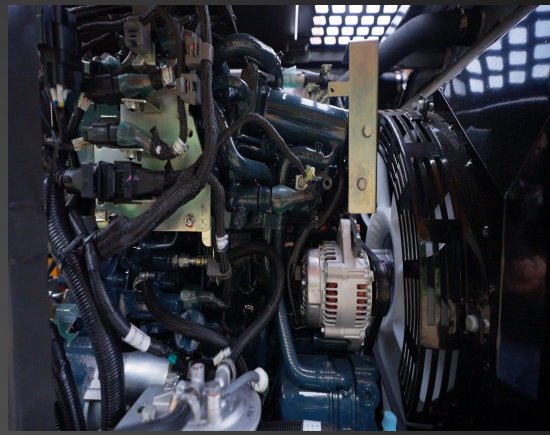
SUPREME CABIN - FEATURES

The Hundal Diagro 27 offers a well-designed operator cabin focused on comfort, visibility, and control. The enclosed cab provides protection from dust, weather, and job-site debris while maintaining clear panoramic visibility for precise operation. Ergonomically positioned controls, an adjustable seat, and vibration-reducing design enhance comfort during extended working hours. Integrated climate control and sound insulation further improve the operator experience, supporting productivity throughout the day.

HIGH STRENGTH EXCAVATING ARM

The Hundal Diagro 27 is equipped with a high-strength excavating arm engineered for durability and sustained performance under heavy loads. Built from reinforced steel with optimized structural geometry, the arm delivers reliable breakout force while minimizing flex and stress concentration. This design enhances digging stability, extends component lifespan, and ensures consistent operation across demanding excavation tasks.

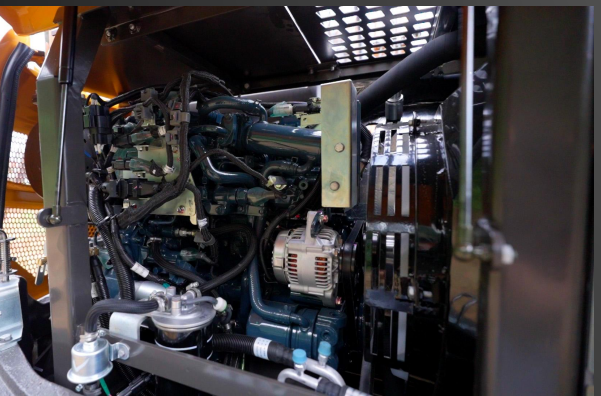


OPTIONAL DUAL HYDRAULIC PIPELINES

The Hundal Diagro 27 offers optional dual hydraulic pipelines to support a wide range of auxiliary attachments. This configuration enables seamless integration with hydraulic breakers, augers, grapples, and other specialized tools. The dedicated dual-line design ensures stable oil flow and consistent pressure delivery, enhancing attachment performance while maintaining overall system efficiency and operational reliability.

PROTECTED CYLINDER HOSES

The Hundal Diagro 27 features protected cylinder hoses designed to enhance durability and reduce the risk of damage in demanding environments. Strategically routed hydraulic lines are shielded from debris, abrasion, and impact during operation. This protective configuration minimizes maintenance requirements, prevents oil leaks, and supports long-term hydraulic system reliability on active job sites.



PRECISION INDUSTRIAL WELDING

The Hundal Diagro 27 is constructed using precision industrial welding techniques to ensure structural strength and long-term durability. Reinforced weld joints enhance frame integrity under heavy loads and continuous vibration. This manufacturing approach improves overall machine stability, reduces structural fatigue, and supports reliable performance in demanding construction environments.